

RAK MEDICAL & HEALTH SCIENCES UNIVERSITY



RAK Medical & Health Sciences University

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CATALOG
UNDER GRADUATE 2023-2024



H.H. Sheikh Saud Bin Saqr Al Qassimi

Ruler of Ras Al Khaimah and Supreme Council Member
United Arab Emirates



H.H. Sheikh Mohammed Bin Saud Bin Saqr Al Qasimi

Crown Prince of Ras Al Khaimah
United Arab Emirates

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UNDERGRADUATE CATALOG

2023 - 2024

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President's Message

Dear Students

It is my pleasure to welcome you to RAK Medical and Health Sciences University, the first comprehensive health sciences university in the UAE, and one of the leading medical and health sciences universities in the region.

With the kind support from His Highness Sheikh Saud bin Saqr Al Qasimi, UAE Supreme Council Member and Ruler of Ras Al Khaimah, RAKMHSU has established itself as a credible destination for medical education in the UAE and Gulf Region.

We at RAK Medical and Health Sciences University (RAKMHSU) are extremely proud to be fully managed by the Government of Ras Al Khaimah, which enables us to prioritize our students' learning and success before anything else.

RAKMHSU is providing a favorable ambience to around 1200 students from 50 nationalities, and it aspires to further growth by establishing more masters programs not only in nursing and pharmacy, but also in the medical and dental programs. It is a matter of great satisfaction to see our students excelling in academics, as well as in other co-curricular and extracurricular activities bringing laurels to the university!

This catalog provides the students with an in-depth and broad guidelines of the university's admission procedures, assessment policies, student policies, financial information and academic aspects of all our programs.

The catalog also focuses on furnishing the details of RAKMHSU Vision, Mission, Core Values and Functions, Licensure and Accreditation status of the university and its colleges, the structure of the university, the Memorandum of Understandings with different institutions / organizations both national and international, and the university's state of art facilities.

Every student should be well versed with all the guidelines incorporated in the catalog and other university's publications relevant to students and academic programs. We look forward to facilitate you to become outstanding leaders in healthcare profession.

I'm delighted to welcome you again to RAKMHSU, and I look forward to seeing your in our beautiful campus!

Professor Ismail Matalka, FRCPath

President

1. RAKMHSU Academic Calendar 2023-2024

 RAK Medical and Health Sciences University Ras al Khaimah Academic Calendar 2023-2024				
	Weeks	From	To	Description
F A L L S E M E S T E R	1	28-Aug-23	1-Sep-23	28th Aug - First day for Existing students; Registration and Orientation for all Programs 29th Aug - Regular Teaching Starts for Existing Students - All Programs
	2	4-Sep-23	8-Sep-23	04th-05th Sep - Freshmen registration and Orientation for All programs (Including Masters) 06th Sep - Last day for Add/Drop 06th Sep - Year 1 Regular Teaching Starts
	3	11-Sep-23	15-Sep-23	
	4	18-Sep-23	22-Sep-23	Suggested week for Placement Test (English) 22nd Sep - Last day for withdrawal from Fall semester
	5	25-Sep-23	29-Sep-23	25th Sep - World Pharmacists Day Suggested week for Placement Test (Arabic) End Rotation exam for MBBS Year 3,4 & 5 27th Sep- Prophet's Birthday 30th Sep -Suggested date for Convocation
	6	2-Oct-23	6-Oct-23	07th Oct - Suggested date for Convocation
	7	9-Oct-23	13-Oct-23	Teaching Week / Written Test - B.Pharm , 9th -12th Oct - Fresher's Week, Sports Competition-Fresher's Day 12th october
	8	16-Oct-23	20-Oct-23	17th October-Pink October, 19th Oct - RAKMHSU Mental Health Day
	9	23-Oct-23	27-Oct-23	Continuous Assessment (Fall Semester & Annual Courses) for BDS/B.Pharm (Theory)/ MSN/MS Programs 27th Oct - Book Fair
	10	30-Oct-23	3-Nov-23	3rd Nov- Flag Day End Rotation exam for MBBS Year 3,4 & 5 Continuous Assessment (Fall Semester and Annual Courses) for BDS
	11	6-Nov-23	10-Nov-23	08th Nov - Career Fair (Afternoon)
	12	13-Nov-23	17-Nov-23	Teaching Week / Written Test - B.Pharm 14th Sports Festival
	13	20-Nov-23	24-Nov-23	23rd Nov -National Day Celebration
	14	27-Nov-23	1-Dec-23	01st Dec-Commemoration Day 02nd & 03rd Dec-UAE National Day 30th Nov-Submission of End Semester question papers Continuous Assessment for BSN/RNBSN End Rotation exam for MBBS Year 3,4 & 5
	15	4-Dec-23	8-Dec-23	Continuous Assessment for BSN/RNBSN End Semester Practical Exams for B.Pharm / MS Programs Continuous Assessment for MBBS Clinical Years
	16	11-Dec-23	15-Dec-23	Clinical rotation for MBBS Clinical years
		18-Dec-23	22-Dec-23	Winter Break for Students CEDAR - Faculty Development Week
		25-Dec-23	29-Dec-23	Winter Break for Students, Faculty & Academic Administrators (like College Deans)
	17	1-Jan-24	5-Jan-24	01st - New Year's Day 2024 02nd Jan - Classes resume after Winter Break 03rd Jan - Last day for Submission of CA marks and attendance for Fall Sem Revision / Makeup Exam / End Semester Exam for Fall Semester Courses for all programs
	18	8-Jan-24	12-Jan-24	09-11 Jan - DUPHAT -2024 End Semester Examination for Fall Semester for all programs
	19	15-Jan-24	19-Jan-24	End Semester Examination for Fall Semester for B.Pharm only

 RAK MEDICAL AND HEALTH SCIENCES UNIVERSITY RAS AL KHAIMAH ACADEMIC CALENDAR 2023-2024				
	Weeks	From	To	Description
S P R I N G S E M E S T E R	1	22-Jan-24	26-Jan-24	22nd Jan - Spring Semester Begins for all programs 22nd - Orientation for Spring Admission 23rd Jan - Last day for Add/Drop 26th January Awards Day
	2	29-Jan-24	2-Feb-24	29th Jan - Last day for withdrawal from Spring semester End Rotation exam for MBBS Year 3,4 & 5
	3	5-Feb-24	9-Feb-24	6th Feb - 12th Mini-Marathon 09th Feb - International Dentist's Day
	4	12-Feb-24	16-Feb-24	14th Feb - Cultural Day (Full day activity)
	5	19-Feb-24	23-Feb-24	Suggested week for Mock fire Drill Science Exhibition RAKMHSU - Alumni Meet
	6	26-Feb-24	1-Mar-24	Community Engagement Activities Continuous Assessment for BDS 26th Feb- 1st Mar -Champion Sports Competitions
	7	4-Mar-24	8-Mar-24	Recommended period for Continuous Assessment Teaching Week / Written Test for B.Pharm End Rotation exam for MBBS Year 3,4 & 5 4th March - International Dental Assistant's Day 07th Mar -UAE National Sports Day
	8	11-Mar-24	15-Mar-24	Recommended period for Continuous Assessment
	9	18-Mar-24	22-Mar-24	Continuous Assessment 1 (Spring Semester) and Continuous Assessment II (Annual Courses) for BDS and other programs 20th March - World's Oral Health Day
	10	25-Mar-24	29-Mar-24	Continuous Assessment 1 (Spring Semester) and Continuous Assessment II (Annual Courses) for BDS and other programs
		1-Apr-24	5-Apr-24	Spring Break for Students, Faculty & Academic Administrators (like College Deans)
		8-Apr-24	12-Apr-24	8th Apr - 12th Apr - Eid al-Fitr* Holidays
	11	15-Apr-24	19-Apr-24	15th Apr - Classes resume after Spring Break Teaching Week /Written Test for B.Pharm Campus Interviews 18th&19th April-14th Students Scientific Conference
	12	22-Apr-24	26-Apr-24	End Rotation exam for MBBS Year 3,4 & 5
	13	29-Apr-24	3-May-24	End Semester Practical Examination for B.Pharm
	14	6-May-24	10-May-24	06th May - Last day for submission of End Year Questions International Nurses Week Activity Clubs Events
	15	13-May-24	17-May-24	MBBS Year 5 - End Year Exam starts Revision/Study Break/Makeup Exam for all programs
	16	20-May-24	24-May-24	End Year Examinations for all programs
	17	27-May-24	31-May-24	End Year Examinations for all programs
	18	3-Jun-24	7-Jun-24	3rd June - Announcement of Results for MBBS Year 5 End Year Examinations for all programs
	19	10-Jun-24	14-Jun-24	11th June - IFOM Basic Sciences Exam 12th June - Announcement of Results 13th June- Issue of Provisional Certificate / Transcript 15th June - Arafat Day 16th- 18th Eid-al-Adha & Annual vacation begins
☒	Holidays for Eid Al Fitr is on 29 Ramadam to 3 Shawwal and for Arafah Day and Eid Al Adha on 9 to 12 Dhu Al Hijjah. Islamic holidays are tentative and are subject to change.			
☒	The semester(s)/academic period may be extended, in the event of loss of teaching days due to any unscheduled closing or holidays and any future directives by the Ministry of Education.			
☒	End Semester/Year Examinations may be scheduled giving at least a daybreak but not for Continuous Assessments /Repeat exams, examinations can also be planned on Saturdays/Holidays.			
☒	Provisionally Remedial 1 / Repeat1 Examinations (Spring Semester) will be held in July 2024.			
☒	Provisionally Remedial 2 / Repeat 2 Examinations (Fall & Spring Semester) will be held in August 2024.			

2. Brief History of RAKMHSU

RAK Medical and Health Sciences University (RAKMHSU) has been set up under the visionary leadership of His Highness Sheikh Saud Bin Saqr Al Qasimi, Supreme Council Member and Ruler of Ras Al Khaimah. Now, RAKMHSU is completely owned and managed by RAK Government. RAK Medical and Health Sciences University was granted the initial licensure and initial accreditation for MBBS in July 2006. Classes for the first intake of students to the MBBS program were started in October 2006. The undergraduate programs in Dentistry, Pharmacy and Nursing were started from September 2007 after obtaining initial accreditation from the Commission for Academic Accreditation (CAA) under the Ministry of Higher Education and Scientific Research. The Registered Nurse-Bachelor of Science in Nursing Bridge program was started in September 2008. RAKMHSU was the first University in the UAE to start Master of Science program in Nursing from 2011 and two Master of Science programs in Clinical Pharmacy and Pharmaceutical Chemistry 2012. MS in Pharmaceutics commenced in the academic year 2014-2015 with initial accreditation. Now, in addition to the Master of Science in Nursing (MSN) - Specialty Adult Health Nursing and MS in Clinical Pharmacy, we also have MSN- Specialties Pediatric Nursing, Community Health Nursing, Psychiatric-Mental Health Nursing, MS in Pharmaceutical Chemistry and MS in Pharmaceutics programs after due accreditation. One more master's program was added in year 2020-2021 Master of Science in Midwifery, which is also the first program in UAE. All the Undergraduate and Graduate programs have received the renewal of accreditation from the Commission for Academic Accreditation (CAA), Ministry of Education, UAE.

2.2 Present Campus

RAKMHSU initially commenced its operations from the campus at Burairat. In February 2009, RAKMHSU moved to its permanent campus, adjoining Sheikh Saqr Hospital and RAK Hospital in Ras Al Khaimah, with state-of-the-art facilities for a quality Health Science programs, including lecture halls, faculty rooms, multipurpose laboratories, skills laboratories, anatomy dissection hall, library, student's center and administrative offices. RAKMHSU is very proud to have all the state-of-art facilities for a quality Health Science Programs. Further, two independent buildings for both Nursing and Pharmacy Colleges in addition to an Examination Centre and a Sports Complex are fully functional. The RAK College of Dental Sciences, FZC, Ras Al Khaimah, which sponsors, RAK College of Dental Sciences has its own independent state-of-art building equipped with ultra-modern dental facilities.

With the addition of state-of-art infrastructure, RAKMHSU has taken one more significant step towards International Standards.

There has been series of changes in the duration of the program, curriculum and the eligibility criteria based on the new guidelines from the Ministry of Education.

Our Colleges and their Programs:

The University comprises of the following constituent colleges, through which all the programs are offered:

The University comprises of the following colleges, through which all the programs are offered:

- RAK College of Medical Sciences (MBBS / MD Program)
- RAK College of Dental Sciences (BDS Program)
- RAK College of Pharmacy (BPharm Program): B.Pharm, MS in Clinical Pharmacy, Pharmaceutical Chemistry and Pharmaceutics.
- RAK College of Nursing: BSN, RN-BSN Bridge Program and MSN Program: Specialties-Adult Health Nursing, Pediatric Nursing, Community Health Nursing, Psychiatric Mental Health Nursing and Master of Science in Midwifery.

3. RAKMHSU Vision, Mission, Core Values and Functions

3.1 Vision

To be a leading medical and health sciences University in the UAE dedicated to the pursuit of academic excellence by fostering, disseminating and applying knowledge and intellectual values to ensure an enriching future for the student community and preparing them to join the medical and health sciences field of the 21st Century.

3.2 Mission

RAK Medical and Health Sciences University is committed, through its offering of academic programs in the medical and health sciences fields, to prepare both Undergraduates and Graduates of either sex and of all Nationalities in developing critical practice skills and latest knowledge. This will equip them with knowledge, practical and clinical skills and enabling them to make a valuable contribution to patient and health care as individuals and as responsible members of society for the communities of not only Ras Al Khaimah, but also UAE along with the neighboring Gulf countries. The University is also committed to contributing to the advancement of knowledge through its support for research conducted by its faculty and students, and the promotion of lifelong learning bound by ethical clinical practice.

3.3 Core Values

RAKMHSU's eight values underpin the way in which it conducts all of its activities and contribute to the achievement of its Vision and Mission.

- 1) Collegiality
- 2) Honesty and Integrity
- 3) Equity
- 4) Agility
- 5) Excellence
- 6) Student Centricity
- 7) Lifelong Learning
- 8) Innovation

3.4 Functions:

Goal 1:-

To ensure that it offers academic programs in medical and health sciences of high quality, which are recognized locally, regionally, and internationally.

Objectives:-

- To design, develop and offer Undergraduate programs after the accreditation process is completed for the respective Undergraduate program. Already RAKMHSU has been carrying out the Medical (MBBS/MD), Dentistry (BDS), Pharmacy (BPharm), Nursing (BSN), Nursing (RN-BSN Bridge program) programs successfully after the accreditation process. In addition, RAKMHSU shall offer other appropriate programs as and when approved.
- To design, develop and offer Graduate programs after the accreditation process is completed for the respective Graduate programs. Already RAKMHSU has been carrying out the Master of Science in Nursing in (a) Adult Health Nursing, (b) Pediatric Nursing, (c) Community Health Nursing and (d) Psychiatric - Mental Health Nursing; and Master of Science in Pharmacy in (a) Clinical Pharmacy and (b) Pharmaceutical Chemistry Pharmaceutics. In addition, RAKMHSU shall offer other appropriate programs as and when approved.
- To recruit and retain academic fraternity committed to creation and application of knowledge;
- To develop MBA (Healthcare), Medical Tourism and other contemporary educational programs to meet local and international standards;
- To develop clinical skills and training in cutting edge technologies to be acclaimed internationally by competent healthcare professionals;
- To provide required infrastructure facilities,
- To develop an evaluation system to monitor the outcome of all courses, infrastructure facilities and actions taken for improvement in each College and clinical setting and to ensure the key results are entered into the annual strategic plan for action and review.
- To recruit students committed to acquiring knowledge, skills and appropriate attitudes towards patient care.

Goal 2:-

To promote openness, diversity, fairness and academic freedom.

Objectives:-

- To demonstrate the ability to organize, record, research, present, critique and manage health science related information.
- To demonstrate the ability to work effectively as part of a health care team with appreciation for the multiple contributions of other health care professionals to the health of the individual and the health of the community.
- To monitor the access students, faculty and administrative staff have to records, faculty development and seminars.
- To evaluate coordinators, supervisors, students and patients in relation to openness, diversity and fairness and to ensure that the key results are entered into the annual strategic plan for action and review.
- To promote interdisciplinary opportunity for students and staff.

Goal 3:-

To ensure that its graduates are equipped with knowledge and skills, which allow them to enter the medical and health sciences fields as accomplished healthcare professionals and competent self-learners, critical thinkers, team players, ethically oriented, for contributing towards the development of the society they live in.

Objectives:-

- a) To develop strategies to support lifelong learning via both print and electronic sources and to remain current with the advances in medical and health sciences knowledge, skills and practice.
- b) To demonstrate the ability to acquire new information and data and to critically appraise its validity and applicability to one's professional decision.
- c) To demonstrate the ability to communicate compassionately and effectively, both verbally and in writing with colleagues, patients and their families.
- d) To display the personal attributes of compassion, honesty and integrity in relationships with patients, colleagues and communities.
- e) To exhibit a capacity for self-evaluation, moral reflection and ethical reasoning to form the basis for a self-directed, lifelong engagement and involvement in the medical and health sciences profession; and
- f) To monitor the outcomes of the strategies to support lifelong learning for students, academic faculty and administrative staff and to ensure the key results are entered into the annual strategic plan for action and review.
- g) To develop an alumni association to support graduates in their profession after graduating from RAKMHSU.

Goal 4:-

To contribute to the advancement of medical and health sciences knowledge and practice through its support of research activities conducted by its faculty and students.

Objectives:-

- a) To encourage faculty to participate in scholarly activities by attending conferences, seminars and enabling them to publish research papers in scientific journals.
- b) To facilitate the faculty to write for research projects and receive research grants.
- c) To facilitate the utilization of intellectual property of the University for the betterment of the humanity at large.
- d) To monitor budgetary support of and access to conferences, external seminars, research and to ensure the key results are entered into the annual strategic plan for action and review.

Goal 5:-

To render ethical healthcare and service to all patients with highest degree of accountability to self and community.

Objectives:-

- a) To be able to describe and discuss the implications of basic ethical principles including confidentiality, informed consent, truth telling and justice for the care of the patient.
- b) To demonstrate the ability to educate the patients and community about various health problems and to motivate them to adopt health promoting behaviors.
- c) To monitor student and faculty access to continuing education programs, speakers bureaus, clinical training and to carry out patient and community surveys and to ensure the key results are entered into the annual strategic plan for action and review.

Goal 6:-

To accentuate the growth of the University by promoting various academic activities, by establishing inter-institutional alliance with premier health Universities and organizations.

Objectives:-

- a) To foster interaction with industries, to promote research, infrastructure development and student placement.
- b) To establish consortial agreements with other premier health institutions and Universities to foster academic research collaboration including faculty and student exchange.
- c) To monitor the development of outreach programs, internships, collaboration with other universities/institutions and to ensure the key results are entered into the annual strategic plan for action and review.
- d) To monitor the development of a career planning unit and to ensure the key results are entered into the annual strategic plan for action and review.
- e) Current performance and the quality of the internationalization process is turned into new opportunities for strategic institutional developments.

4. Licensure and Accreditation Status

4.1 National Accreditation

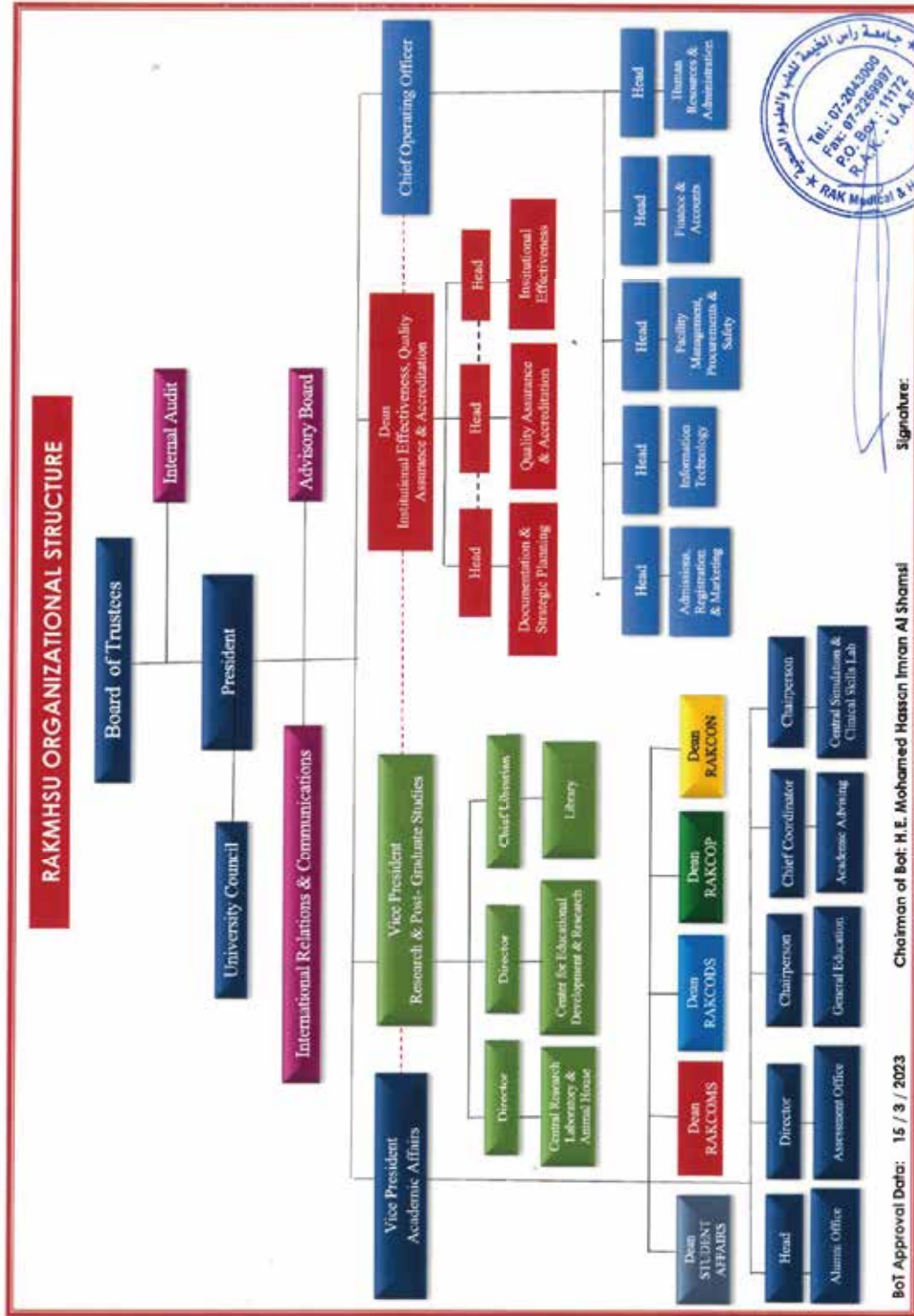
Licensure / Accreditation		Date of Accreditation	Renewal Date	Current Status
RAK Medical & Health Sciences University:				
RAKMHSU Licensure		22 April 2018	13 March 2023	RAKMHSU's final response was submitted to the CAA on 7th September 2023 and is awaiting a reply.
Undergraduate Programs:				
RAK College of Medical Sciences:				
Bachelor of Medicine and Bachelor of Surgery [MBBS] / Doctor of Medicine [MD]		22 September 2017	20 September 2022	The second response was sent to the CAA with all requirements on 15th June 2023 and is awaiting a reply.
RAK College of Dental Sciences :				
Bachelor of Dental Surgery [BDS]		17 June 2020	31 October 2024	Active
RAK College of Pharmacy				
Bachelor of Pharmacy [B. Pharm]		4 April 2019	4 April 2024	Active
RAK College of Nursing				
Bachelor of Science in Nursing	Stream A [BSN]	16 December 2018	15 December 2023	The Re-accreditation of the program application was submitted to the CAA on 11th April 2023 and awaiting the schedule for the CAA ERT visit.
	Stream B [RN-BSN] Registered Nurse			
Masters Programs:				
MS in Pharmacy:				
Clinical Pharmacy		14 November 2017	20 September 2022	The final response was submitted to CAA on 22nd September 2023 and is awaiting a reply.
Pharmaceutical Chemistry		4 April 2019	4 April 2024	Active

Licensure / Accreditation	Date of Accreditation	Renewal Date	Current Status
Pharmaceutics	4 April 2019	4 April 2024	Active
MS in Nursing:			
Master of Science in Nursing (MSN) <u>Specialties:</u> ▪ Adult Health Nursing ▪ Pediatric Nursing, ▪ Community Health Nursing ▪ Psychiatric Mental Health Nursing	2 September 2020	30 November 2023	The Re-accreditation of the program application was submitted to the CAA on 14th April 2023 and awaiting the schedule for the CAA ERT visit.
Master of Science in Midwifery [MSM]	2 September 2020	15 June 2023	The CAA ERT visit is scheduled from 16-19, November 2023.

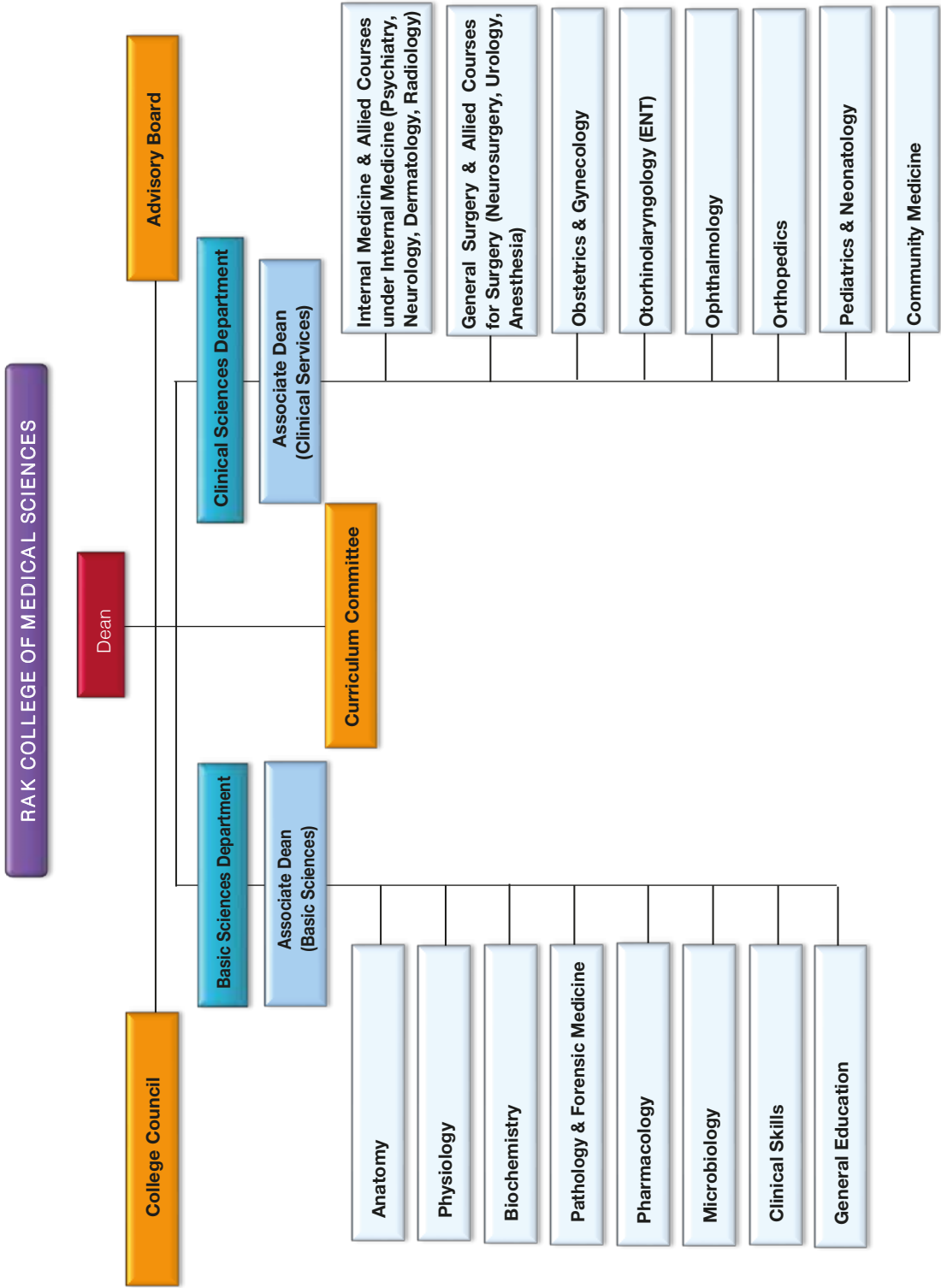
4.2 International Accreditation / Recognition

Licensure / Accreditation	Current Status
RAK College of Medical Sciences:	
World Directory of Medical Schools (WDOMS)	RAKMHSU is listed in the World Directory of Medical Schools (WDOMS)
World Federation of Medical Education (WFME)	Doctor of Medicine (MD) program is accredited by World Federation of Medical Education (WFME)
RAK College of Dental Sciences:	
Australian Dental Council (ADC)	The dental program is awaiting a joint visit from the CAA and the Australian Dental Council (ADC) in 2024.
RAK College of Pharmacy	
Accreditation Council for Pharmacy Education (ACPE)	International Accreditation (*online evaluation)
RAK College of Nursing	
Accreditation Commission for Education in Nursing (ACEN)	The visit from the Accreditation Commission for Education in Nursing (ACEN) is scheduled from 30 October to 2 November 2023.

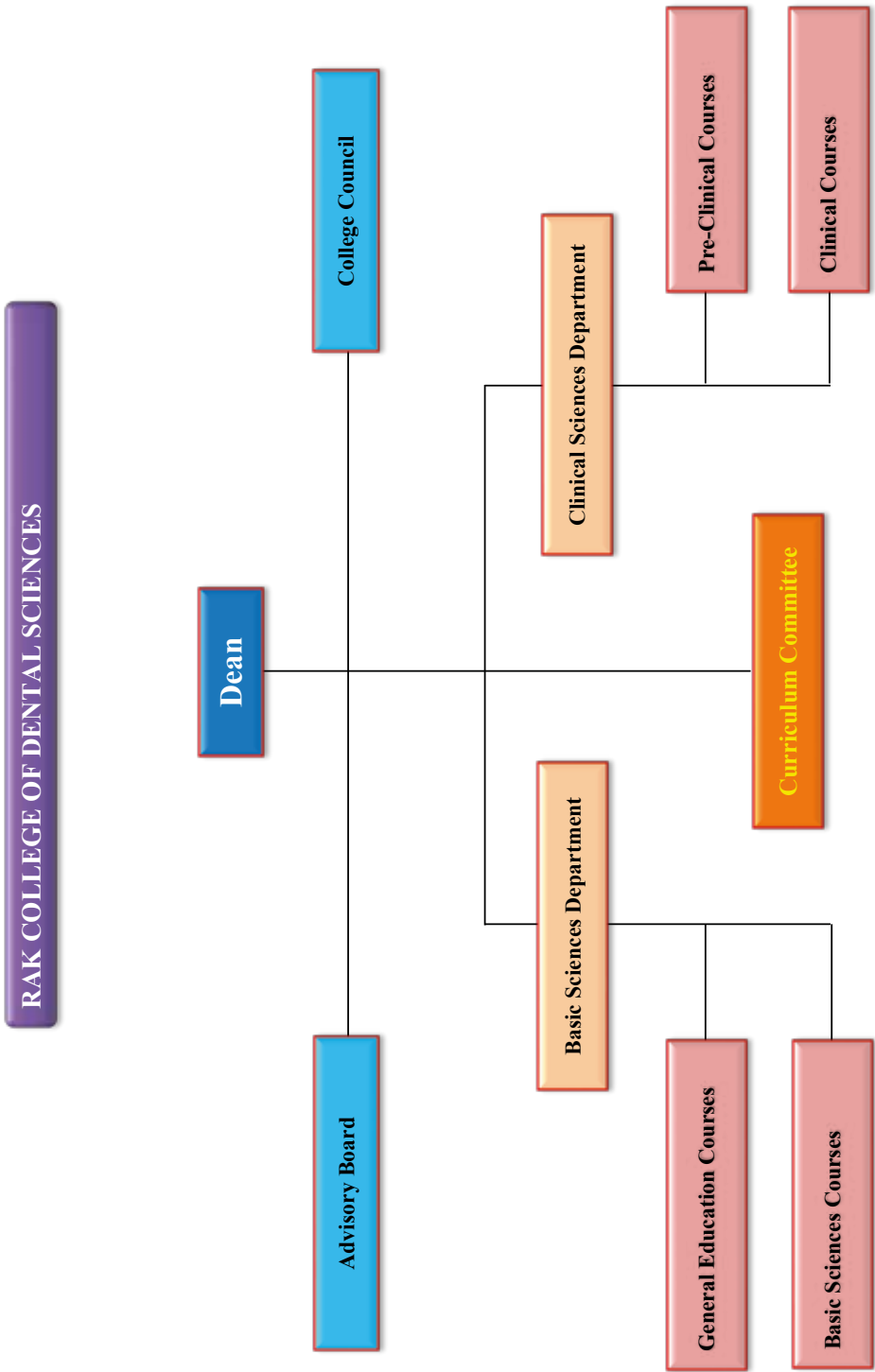
5. RAKMHSU Organization Structure



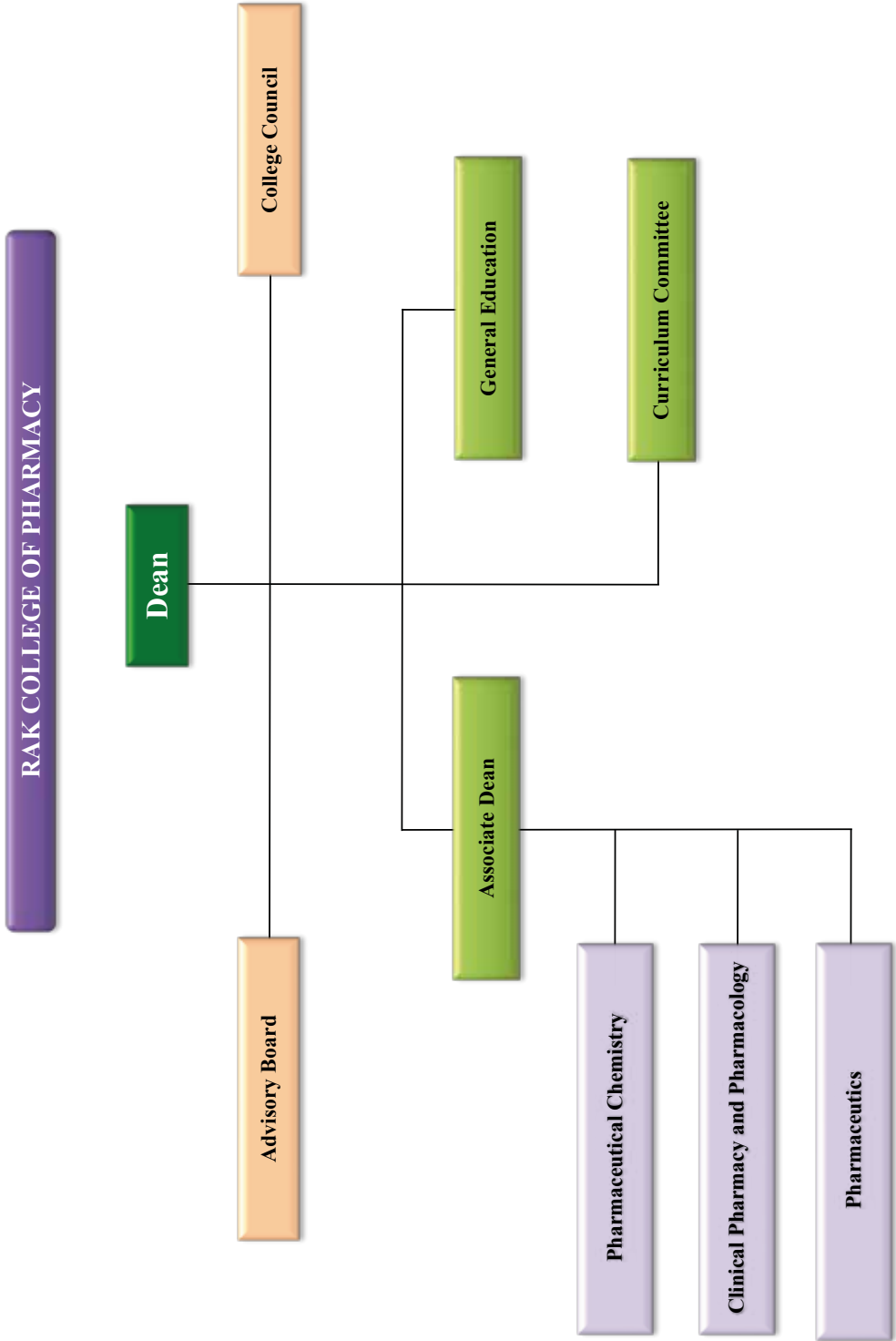
5.1 RAK College of Medical Sciences (RAKCOMS)



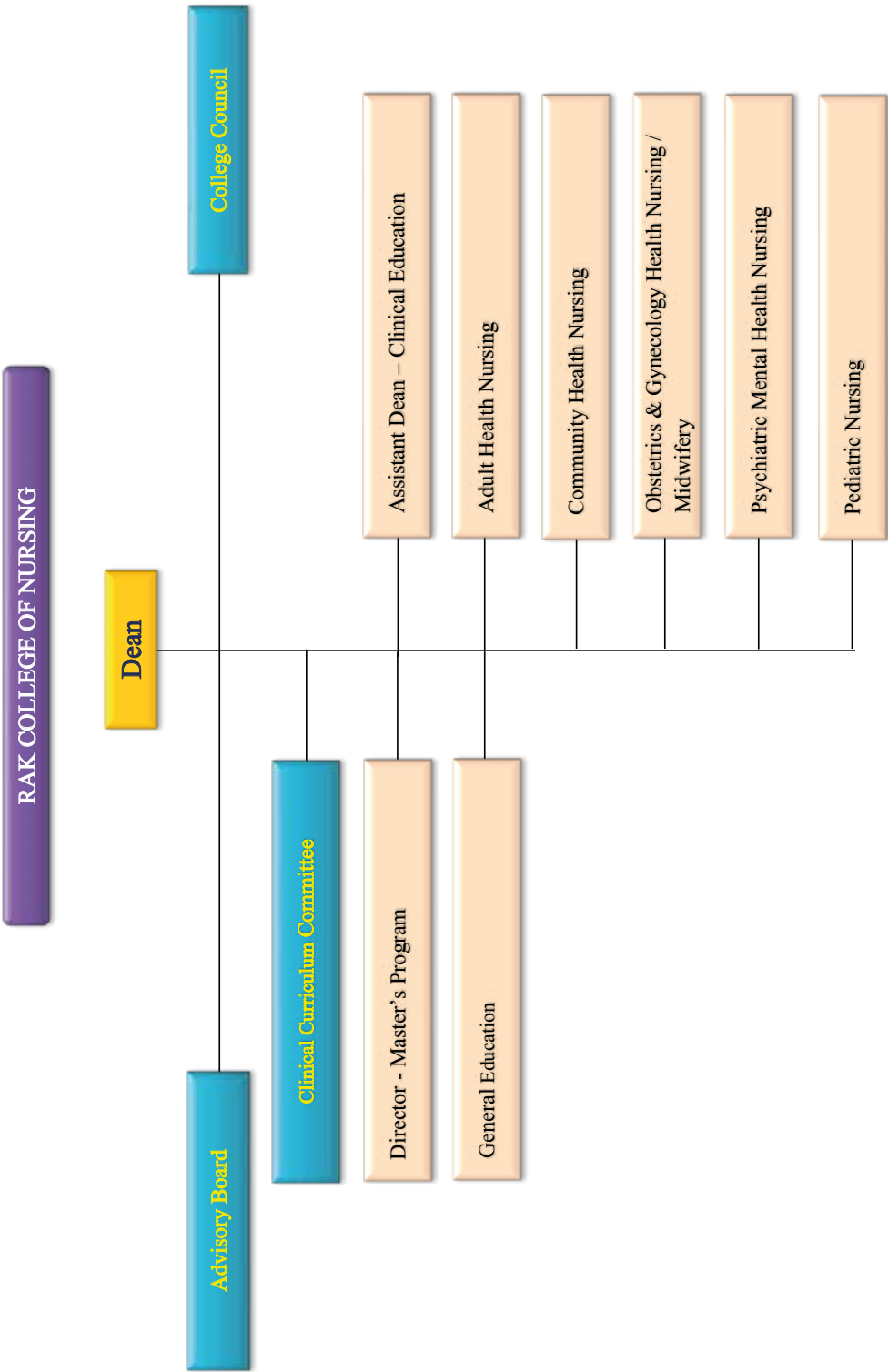
5.2 RAK College of Dental Sciences (RAKCODS)



5.3 RAK College of Pharmacy (RAKCOP)



(RAKCON)



6. University Facilities

6.1 RAKMHSU - Physical Setting, Resources and Facilities

RAKMHSU is located in the Al Qusaidat area of the Emirate of Ras Al Khaimah. The University campus covers over 43,000 Sq. Mts. and has a Main Academic Block, Pharmacy & Nursing Block, Sports Complex, Cafeteria block and Animal house.

The main Academic Block is a G+3 building having 200,000 Square feet of built-up area housing the College of Medicine. The pharmacy and nursing building has a total built-up area of 96,000 square feet. The sports Complex (G+1) has a built-up area of 21,000 square feet having Indoor play area, Male & Female Gyms, Lounge and Music Room. Additionally, an outdoor football court is also built on an area of 16000 square feet. The Cafeteria is a G+2 building having an area of 8,600 square feet and houses the Kitchen, Cafeteria and dining halls for students, faculty and staff. An Animal House is built on an Area of 2,237 Sq. Ft. to support University research activities. College of Dentistry has its own state of art building (G + 5 Floors), a short distance from the main campus. Prayer hall with ablution facility are available in the ground floor for male and 4th floor for Females.

RAKMHSU students benefit from robust state of the art facilities, which include 30 Lecture halls, more than 25 high-end Laboratories, 2 Computer Labs having more than 300 desktop computer terminals, PBL rooms, On-site and Online Library facilities and an Auditorium equipped with advanced modern Audio Visual equipment at par with the most advanced facilities found in Universities internationally.

6.1.1 Use of University Facilities

The University reserves the right to set reasonable time, place and manner restrictions on all meetings, gatherings or get-togethers to ensure that the most beneficial use of the buildings and grounds of the University are made and that there is no interference with the rights of students to the educational process.

The use of University facilities should not imply an endorsement of any individual, group or organization. The name of the University shall not be identified in any way with the aims, policies, programs, products or opinions of any individual, groups or organizations, which may meet in University buildings or on University grounds.

No University building or part thereof, or ground, may be occupied as living rooms or bedrooms, except those duly set aside and operated

6.1.2 Use of Classrooms, Laboratories and Office Space

Assignment of space in University buildings for continuing use by the College, Departments or other units for use shall be made by the President. These assignments shall be made on a semester-by-semester basis.

Members of the University faculty, staff or students, who are assigned the office space in a building on campus, and who have been authorized to have a key to the main door of the building, shall be authorized to use such assigned office space whenever their work may require such use.

6.2 Use of Computers and Computer Lab

The purpose of the computing ethics and guidelines on use of computers is to help maintain an information technology infrastructure that supports the university's basic mission. Information technology is a critical resource for the University, as it acquires and distributes data for teaching, learning, research, and management. These guidelines rely on common sense and ethical behavior to protect the privacy and access rights of each member of the community. Failure to adhere to these guidelines can result in the suspension of computing privileges.

Students, faculty, and administrators at University have basic rights regarding computing: privacy and access to an equitable share of hardware, software, and network resources. It is unethical for any person to violate these rights.

University owned computing resources are intended for administrative, research, and educational purposes only; and hence they shall be used in a manner consistent with the administrative, instructional, and research objectives of the University. They should not be used for personal profit, commercial development, or frivolous activities.

6.2.1 Access

Access to computers, programs, and files is restricted to authorized users only. Respect for the privacy of others is maintained by not intentionally seeking information about passwords or files belonging to other users, unless explicitly authorized to do so by those users.

- Academic communities are by nature open and transparent, therefore respect for the spirit of academia should be maintained. The theft, mutilation, and abuse of public or private computing resources violate the academic environment's nature and spirit. Theft also includes ; theft of services. Acts of theft will be referred to the appropriate University authority through the Campus Security.
- Computer systems, software applications, and other resources are provided for the benefit of the individuals within the University community. Deliberate or suspicious introduction of computer viruses, deletion or removal of software programs or files is a violation of computer usage policies. Acts of this nature will be referred to the appropriate University authority for disposition.
- Central and network computer access are protected by password security. Protection of computer accounts is accomplished by not divulging one's password to others, by changing one's password frequently, and by deleting unwanted files.. If it is suspected that another person gained access to one's password, the password should be changed immediately.

6.2.2 Usage

- Computer resources, while widely available, are finite. Common sense regarding shared resources should be exercised. Engaging in deliberately wasteful practices , for example, printing large amounts of unnecessary listings, using the laser printer as a copy machine, making unnecessary laser printouts (printing after every editing / change), or unnecessarily holding a public PC or workstation for a long period of time when other users are waiting for these devices, is to be avoided.
- Computer connection in the Library is for use by authorized persons only. Activity on these machines is considered to be under the control of an assigned user.

- No server of any sort may be run on the University network other than those sanctioned by the University, and as per the policies that are ratified by the University. This includes, but is not limited to game servers, Windows Servers, Novell NetWare Servers, or any form of UNIX in a server configuration.
- Institutionally owned systems may not operate recreational peer-to-peer applications or any peer-to-peer messaging applications that is exploitable due to improper configuration or application weaknesses. Institutionally owned computers and/or privately owned computers, performing institutional business must have up-to-date anti-virus software installed.
- Services such as DNS, DHCP, BOOTP, WINS, FTP, or HTTP may be operated only within the guidelines and information technology policies of the University.
- The University maintains public access computing labs for use by the faculty, the students, and staff only. Proper use of public computer laboratory facilities is expected. Proper use follows the same standards of common sense and courtesy that govern the use of other public University facilities. Anyone engaged in an activity or use of the facility which hampers or interferes with the ability of others to do their work may be asked to quit the activity and/or leave the facility. Examples include loud conversation, disruptive behavior, excessive computer volume or display of pornographic, offensive or obscene materials.
- Electronic mail (e-mail) is a resource widely distributed and supported on the campus. Electronic mail is to be used for appropriate educational, research, and administrative purposes only. It is a violation of the computing policies of the University to start or forward chain letters which has no relevance to the university activities. This behavior is also in violation of most network policies. In addition, University policy prohibits users from sending threatening, obscene, or harassing messages to other users. University email services should not be used for communicating greetings or forwarding any email other than that of academic interest.
- It is the policy and practice of the University to respect the copyright protection given to software owners. Therefore, it is against the policy for any student, faculty, or staff member to copy or reproduce any licensed software or other copyrighted material on University computer equipment except as expressly permitted by license. Appropriate laws and copyrights are to be respected. Requests for the duplication or installation of software will not be honored without proof of license or proof of purchase.
- Users requesting access to the University computing resources will be required to sign a statement on the appropriate user account request form indicating that they have read, understood, and agreed to abide by these guidelines.

6.2.3 Appropriate usage of the IT Enabled Resources and Services.

- Users requesting access to the University computing resources will be required to sign a statement on the appropriate user account request form indicating that they have read, understood, and agreed to abide by these guidelines.
- 1) IT Enabled Resources and Services are provided to carryout Academic and Administrative activities of the University.
 - 2) End Users needs to make sure that information must not be disclosed in any form without proper approval. Unauthorized Access, editing, disclosure or copy of such information constitutes a security breach.
 - 3) End Users should be aware of the RAKMHSU User rights and responsibilities.

- 4) Users are prohibited to access restricted web sites that promote racism, offensive language, pornographic, adult content and other malicious websites.
- 5) Users should not install any software without approval from the IT Department through proper channel.
RAK MEDICAL & HEALTH SCIENCES UNIVERSITY GRADUATE CATALOG 2022-2023
- 6) Computer accounts are members of University Domain with normal user access rights. Users may not have Administrator privileges in their system.
- 7) Required applications needs to be installed only by the IT Department.
- 8) Users has to take care of their systems and needs to update frequently with the latest anti-virus and windows updates.
- 9) Users have to make sure that the data downloaded from from any external sources - USB flash drives, websites, email attachment etc are free from virus and malicious software.

6.2.4 Authorized User Access and Responsibility.

- 1) User accounts issued by the IT Department are the authorized to access IT Enabled Resources and Services.
- 2) User has the responsibility to maintain Privacy and integrity of the information.
- 3) Password should not be shared with any one in any circumstances; guessable passwords should not be used because compromised passwords may affect the privacy and integrity of the Data.
- 4) User accepts the responsibility for the violations that occur from System while accessing RAKMHSU IT Enabled Resources and Systems from anywhere.

6.2.4.1 Access

- 1) Access to computers, programs, and files are restricted to authorized Users only, privacy for others is maintained, by not intentionally seeking information about passwords or files belonging to other Users, unless explicitly authorized to do so.
- 2) Access to Computer systems, software, Applications, and other resources provided for the benefit of the individuals within the University community.
- 3) Deliberate or suspicious introduction of computer viruses, deletion or removal of software programs or files is a violation of computer usage policies and charges would be brought as per the University policy / prosecution under laws, where applicable.
- 4) Resources are protected by password security. Protection of computer accounts is accomplished by not divulging one's password to others.

6.3 Library

RAKMHSU Library was established in 2006 as a learning and resource center. The vision of the Library is to support the RAKMHSU by establishing a knowledge hub to enable access to information resources of all kinds and to provide innovative, responsive and effective services to meet the changing needs of the academic community. It has a hybrid collection of print as well as electronic resources, which include 27,000+ Books, 14000+ e-Books, 6400+ e-Journals,

9 Online databases, 2000+ Audio-Visuals (CDs/DVDs) related to Medical, Dental, Pharmacy, Nursing and General Education courses and books catering to general interests.

The library is located on the 2nd floor of the building, and has a total area of 1350 sqm, including nine discussion rooms. It is equipped with modern technology such as state-of-the-art Library Security System, surveillance cameras and security gates. The library has more than 330 seating capacity, which includes 120 individual study carrels for quiet study and group discussion rooms. The main services of the library include circulation of resources, reference service, online Access to E-Books/E-Journals, Reprographic service (Printing & Scanning), Information Literacy, Inter-Library Loan, SDI & CAS services (Standard Dissemination of Information and Current Awareness Services). Reprographics services are offered through networked photocopying, printing and scanning facility with MiFare technology based prepaid ID Card system. The Circulation services (borrow/Return) of books are offered through a RFID-based Self Check-In and Check-Out automated library management system and high-speed internet access to online services such as online databases, e-books, and e-journals.

In addition of the Central Library and the library at RAKCODS campus, there are three satellite libraries located at Obaidallah Hospital and Omran Hospital in Ras Al Khaimah and Fujairah Hospital in Fujairah to facilitate clinical students and clinical adjunct faculty of RAKMHSU. These Satellite Libraries are managed by the Central Library for providing books, journals, E-resources and other services in accordance with RAKMHSU guidelines.

The library maintains the National Library of Medicine (NLM) and International Standard Documentation (ISD) Classification and Cataloguing system to ensure our resources are well organized and easily accessible.

The E-Library Portal provides, on and off campus access on a 24/7 basis to all the subscribers. They can access, all electronic resources such as ProQuest Health Research Premium Collection, CINAHL Complete, Up-To-Date, EBSCO E-books, Exam Master, PEPID, Lexicomp, Clinical Key Students, AMBOSS (for IFOM Preparation) online journals, and e-books etc. The library also provides repository service for RAKMHSU Faculty publications as well as Student's Theses. The Printed copies are available in the library, whereas, digitized copies are available on demand only.

In addition to providing access to the various resources, the RAKMHSU Library also offers a range of research and reference services to support students in their academic pursuits. Our team of professional librarians are available to provide guidance and assistance with research and information retrieval. For Research Support Services The library offers a range of research support services to assist faculty and students to find, locate and use the information by providing them a range of resources, tools, and services to support them in conducting research. The librarians conduct the Information Literacy Sessions to assists and train the users for effective Literature search for their research topics and terms to enhance the quality and relevancy of their research. Academic software such as SPSS, Turnitin and Mendeley are available in library to support the scholars in their research process.

Detailed information about the library is available on the library homepage <https://www.rakmhsu.ac.ae/library>. Which includes the library collection statistics overview, Services, facilities, rules, regulation, policies, tutorials, list of recommended books, important links, OPAC (catalogue of library collection), FAQs and various online forms such as book suggestion form and article request form etc.

The library strongly supports the academic honesty policy of the university and as a center of learning and information, the library recognizes the importance of academic integrity in ensuring the quality and credibility of academic work. To support this policy, the library provides a variety of resources and services to help students and faculty understand and uphold academic honesty. This includes access to software and databases related to similarity detection and plagiarism such as Turnitin and iThenitcate, as well as workshops and training sessions on the proper use of sources, citation styles and research management.

7. Memorandum of Understanding

Year	No.	Date of MOU	First Party	Second Party	MOU Valid
2009	1	27-Jul-09	Jordan Hospital, Jordan	RAK Medical & Health Sciences University	28th July 2030
2017	2	8-Jul-17	The University of Findlay, Findlay. USA	RAK Medical & Health Sciences University	Automatically extended annually
2018	3	1-Sep-18	RAK Medical & Health Sciences University	Gulf Pharmaceutical Industries (JULPHAR), Ras Al-Khaimah. UAE	Renewal under process
2019	4	10-Jan-19	Gulf Medical University-Teach-Out Agreement-GMU-RAKMHSU, Ajman, UAE	RAK Medical & Health Sciences University	11th January 2024
	5	25-Aug-19	European University-RM SKOPJE, Macedonia	RAK Medical & Health Sciences University	26th August 2024
	6	26-Aug-19	RAK Medical & Health Sciences University	Sheikh Saud Bin Saqr Charitable Education Foundation	25th August 2024
	7	9-Sep-19	Ministry of Health And Prevention, UAE	RAK Medical & Health Sciences University	8th September 2024
	8	17-Dec-19	RAK Medical & Health Sciences University	BTS Pilani, Dubai Campus, UAE	16th December 2025
	9	1-Dec-19	RAK Medical & Health Sciences University	Dabur International Ltd, India	24th December 2028

Year	No.	Date of MOU	First Party	Second Party	MOU Valid
2020	10	5-Feb-20	Dataflow Verification Services	RAK Medical & Health Sciences University	Automatically extended
	11	16-Nov-20	RAK Medical & Health Sciences University	Temple University, Philadelphia. USA	15th November 2025
2021	12	17-Mar-21	Mothercell Regenerative Centre Private Limited,Tiruchippalli,India	RAK Medical & Health Sciences University	17th March 2026
	13	13-Apr-21	RAK Medical & Health Sciences University	Father Muller Research Center, Mangalore, Karnataka, India	13th April 2026
	14	28-Aug-21	University of Liverpool,Brownhill,Liverpool	RAK Medical & Health Sciences University	13th April 2026
	15	16-Sep-21	Gulf Medical University , Ajman.UAE	RAK Medical & Health Sciences University	15th September 2026
	16	29-Nov-21	Universiti Teknikal MARA Sdn. Bhd, Malaysia	RAK Medical & Health Sciences University	28th November 2026
2022	17	4-Jan-22	Sree Anjaneya Medical Trust	RAK Medical & Health Sciences University	3rd January 2027
	18	10-Jan-22	Sheikh Saud Bin Saqr Al Qasimi Foundation for Policy Research,RAK,UAE	RAK Medical & Health Sciences University	Automatically extended
	19	19- Feb-22	RAK Medical & Health Sciences University	Special Olympics-UAE	Automatically extended

Year	No.	Date of MOU	First Party	Second Party	MOU Valid
2022	20	07- Mar-22	RAK Medical & Health Sciences University	The National University of Science and Technology ,Muscat.Oman	4th March 2025
	21	23- Mar- 22	RUDN University, Russia	RAK Medical & Health Sciences University	22nd March 2027
	22	25- Mar- 22	RAK Medical & Health Sciences University	RAK Modern Private School, RAK	24th March 2025
	23	30-May-22	City of London Dental School, London, UK	RAK Medical & Health Sciences University	29th May 2027
	24	01-Jun- 22	RAK Medical & Health Sciences University	Kanad Hospital Clinical Affiliation Agreement, Al Ain, UAE	31st May 2027
	25	15-Jun-22	Manipal Academy Of Higher Education, Karnataka, India	RAK Medical & Health Sciences University	21th June 2025
	26	29-Jun-22	Burjeel Hospital LLC , Abudhabi,UAE & Affiliates	RAK Medical & Health Sciences University	30th June 2027
	27	07-Jul - 22	The Armed Forces College of Medicine - Arab Republic of Egypt	RAK Medical & Health Sciences University	22th June 2026
	28	19-Sep-22	Emirati Cadres Competitiveness Council (NAFIS)	RAK Medical & Health Sciences University	20th September 2026
	29	04-Nov-22	RAK Medical & Health Sciences University	Oasis Braces Center Abudhabi,UAE	5th November 2027

Year	No.	Date of MOU	First Party	Second Party	MOU Valid
2022	30	13- Dec- 22	ST. John's Medical College, Karnataka, India	RAK Medical & Health Sciences University	12th December 2027
	31	30-Dec-22	Sheikh Khalifa General Hospital, Umm Al Quwain. UAE	RAK Medical & Health Sciences University	1st January 2026
2023	32	04- May-23	Emirates Health Services "EHS ",UAE	RAK Medical & Health Sciences University	5th May 2028
	33	16- May-23	Sheikh Khalifa Hospital, Ras Alkhaimah. UAE	RAK Medical & Health Sciences University	17th May 2026
	34	09 Jun -23	RAK Medical & Health Sciences University	Bridge Way International	Automatically Extended
	35	22-Jun-23	Amity University,Dubai, UAE	RAK Medical & Health Sciences University	21st June 2025
	36	22- June 23	RAK Medical & Health Sciences University	American University Ras Al Khaimah, UAE	21st June 2026
	37	22- June 23	RAK Medical & Health Sciences University	Collaborative Academic Provisions American University, Ras Alkhaimah. UAE	21st June 2026
	38	4– July 23	The University of Dundee, Dundee, UK	RAK Medical & Health Sciences University	3rd July 2024
	39	5 - July 23	The University of Strathclyde, Glasgow, UK	RAK Medical & Health Sciences University	4th July 2025

8. Admission Regulations

8.1 University General Admission Requirements

RAKMHSU admission policy is based on student academic achievement in the 12th Grade/ Higher Secondary School Certificate or its equivalent, and English language proficiency, regardless of gender, race, color, religion, age or national origin.

Admissions to undergraduate programs of RAKMHSU shall be competitive and will be based on the scores in the UAE (GSEC)/Grade 12 or its equivalent. Admission will depend on high merit and students are advised to fill in the online application in the RAKMHSU website and upload their Grade 12th Transcript, EmSAT-English/ TOEFL/IELTS score, other relevant documents/attachments.

Admission to all programs is based entirely on merit. Admissions are open to students of all nationalities.

Admission of international students will also depend on UAE immigration regulations regarding student visa.

8.2 Admission Requirements

8.2.1 MD Program

A.1. Admissions criteria for 12th grade High School or equivalent and additional requirements which are mandatory

Curriculum	12 th Grade High School or equivalent Requirements
UAE Curriculum	A minimum High School Average of 90% for Advanced Track or 85% for Elite Track or equivalent in Standardized International Systems is required with No admission of General Track applicants.
American Curriculum	An aggregate score of 90% is required . Priority in admission will be given to those with high scores in Biology and Chemistry/Physics. If Biology is not taken in 12th Grade, a SAT II score of 550 in Biology is required OR (If Biology is not done in grade 12th, require a letter from the school that the biology which achieved in grade 10th /11th is equivalent to grade 12th). SAT in Math and English required to be completed in school for obtaining Equivalency Certificate from MOE.
SABIS	An aggregate score of 90% is required . Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
International Baccalaureate	Must have completed any six courses including Biology and Chemistry/Physics at the higher level and obtain IB score of at least 26 .
Pakistan Boards/Certificate	Higher Secondary School Certificate with aggregate of 75% can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics (Part 1 and Part 2 total).

Curriculum	12 th Grade High School or equivalent Requirements
Indian Curriculum (CBSE/ISCE) & Indian State Board	All India Senior School Certificate XII std CBSE/ISCE exams with 75% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses. Indian State board: 80% aggregate can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses.
British Curriculum	Students applying for the Doctor Of Medicine (MD) programs must have completed at least two Advanced Supplementary of AS level OR one A level in Biology with at least 'B and above' grade after having completed 5 IGCSE/GCSE or O levels with minimum grade of 'B and above' in O level courses (the aggregate is equal to 90%) equivalent to UAE curriculum. Only courses classified as academic will be considered for admission. Courses must include Physics, Chemistry and Biology with at least two of them including Biology at the AS level/A level. For grade to percentage calculation: http://www.igcsegate.com/score-calculator#
African Curriculum (WAEC/WASSCE etc.)	A & B combination of grades in 12th grade in Biology and Chemistry can be considered. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Canadian Curriculum (Ontario/Alberta etc.)	An aggregate score of 90% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Israel Curriculum	A minimum of High School in 12th grade with overall average 84% is required with Physics, Chemistry and Biology subjects.

We converted the marks for the foreign curriculum based on the World Education service link <https://applications.wes.org/country-resources/resources.asp>

A.1.1. In addition to the above 12th grade requirements student are required to do as mentioned below:

- An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT) are the English language requirements.
- EmSAT scores of 900 in two out of the three science subjects (Biology, Chemistry/Physics) & EmSAT score of 900 in Mathematics.
- **Or**, if the student did not complete his/her EmSAT exam, he/she has to provide the following subjects Mathematics, Biology, Chemistry/Physics done in 12th grade.
- **Or**, if the student did not complete his/her EmSAT exam or Mathematics & science subjects not taken in 12th grade, he/she has to attend the Admission/Entrance Exam at the University which will include (Missing Subject: Mathematics, Biology, Chemistry/Physics) and is equivalent to EmSAT subjects as per MOE guidelines.
- Passing a personal interview set by the College in addition to other conditions of admission set by the university.

English language requirement validity: Please note that the validity of TOEFL paper based test , TOEFL IBT, TOEFL CBT & IELTS is two years only and for EMSAT English score is 18 months and these scores should be valid at the time of Admission process to join any of our programs.

Note : Applicants will be given priority for the Admissions who have completed all the above Admission requirements as per Ministry of Education, UAE and as per the availability of the Seat to the MD program.

8.2.2 BDS Program

A.2. Admissions criteria for 12th grade High School or equivalent and additional requirements which are mandatory.

Curriculum	12 th Grade High School or equivalent Requirements
UAE Curriculum	A minimum High School Average of 85% for Advanced Track or 80% for Elite Track or equivalent in Standardized International Systems is required with No admission of General Track applicants.
American Curriculum	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics. If Biology is not taken in 12th Grade, a SAT II score of 550 in Biology is required OR (If Biology is not done in grade 12th, require a letter from the school that the biology which achieved in grade 10th /11th is equivalent to grade 12th). SAT in Math and English required to be completed in school for obtaining Equivalency Certificate from MOE
SABIS	Must have completed any six courses including Biology and Chemistry/Physics at the higher level and obtain IB score of at least 25.
International Baccalaureate	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Pakistan Boards/Certificate	Higher Secondary School Certificate with aggregate of 70% can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics (Part 1 and Part 2 total).
Indian Curriculum (CBSE/ISCE) & Indian State Board	All India Senior School Certificate XII std CBSE/ISCE exams with 70% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses. Indian State board: 75% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses.
British Curriculum	Students applying for the BDS program must have completed at least two Advanced Supplementary of AS level OR one A level in Biology with at least ' C and above ' grade after having completed 5 IGCSE/GCSE or O levels with minimum grade of 'C and above' in O level courses (the aggregate is equal to 85%) equivalent to UAE curriculum. Only courses classified as academic will be considered for admission. Courses must include Physics, Chemistry and Biology with at least two of them including Biology at the AS level/A level. For grade to percentage calculation: http://www.igcsegate.com/score-calculator#
African Curriculum (WASEC/WASSCE etc.)	C grade & above combination of grades in 12th grade in Biology and Chemistry can be considered. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Canadian Curriculum (Ontario/Alberta etc.)	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Israel Curriculum	A minimum of High School in 12th grade with overall average 75% is required with physics, chemistry and Biology subjects.

We converted the marks for the foreign curriculum based on the World Education service link <https://applications.wes.org/country-resources/resources.asp>

A.2.2. In addition to the above 12th grade requirements student are required to do as mentioned below:

- An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT) are the English language requirements.
- EmSAT scores of 900 in two out of the three science subjects (Biology, Chemistry/Physics) & EmSAT score of 900 in Mathematics.
- Or, if the student did not complete his/her EmSAT exam, he/she has to provide the following subjects Mathematics, Biology, Chemistry/Physics done in 12th grade.
- Or, if the student did not complete his/her EmSAT exam or Mathematics & science subjects not taken in 12th grade, he/she has to attend the Admission/Entrance Exam at the University which will include (Missing Subject: Mathematics, Biology, Chemistry/Physics) and is equivalent to EmSAT subjects as per MOE guidelines.
- Passing a personal interview set by the College in addition to other conditions of admission set by the university.

English language requirement validity: Please note that the validity of TOEFL paper based test , TOEFL IBT, TOEFL CBT & IELTS is two years only and for EMSAT English score is 18 months and these scores should be valid at the time of Admission process to join any of our programs.

8.2.3 B.Pharm Program

A.3. Admission Criteria for 12th grade High School or equivalent and additional requirements

Curriculum	12 th Grade High School or equivalent Requirements
UAE Curriculum	A minimum High School Average of 85% for Advanced Track or 80% for Elite Track or equivalent in Standardized International Systems is required with No admission of General Track applicants.
American Curriculum	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics. If Biology is not taken in 12th Grade, a SAT II score of 550 in Biology is required OR (If Biology is not done in grade 12th, require a letter from the school that the biology which achieved in grade 10th /11th is equivalent to grade 12th). SAT in Math and English required to be completed in school for obtaining Equivalency Certificate from MOE.
SABIS	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
International Baccalaureate	Must have completed any six courses including Biology and Chemistry/Physics at the higher level and obtain IB score of at least 25.
Pakistan Boards/Certificate	Higher Secondary School Certificate with aggregate of 70% can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics (Part 1 and Part 2 total).
Indian Curriculum (CBSE/ISCE) & Indian State Board	All India Senior School Certificate XII std CBSE/ISCE exams with 70% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses. Indian State board: 75% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses.
British Curriculum	Students applying for the B. Pharm program must have completed at least two Advanced Supplementary of AS level OR one A level in Biology with at least 'C and above' grade after having completed 5 IGCSE/GCSE or O levels with minimum grade of ' C and above ' in O level courses (the aggregate is equal to 85%) equivalent to UAE curriculum. Only courses classified as academic will be considered for admission. Courses must include Physics, Chemistry and Biology with at least two of them including Biology at the AS level/A level. For grade to percentage calculation: http://www.igcsegate.com/score-calculator#
African Curriculum (WAEC/WASSCE etc.)	C grade & above combination of grades in 12th grade in Biology and Chemistry can be considered. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Canadian Curriculum (Ontario/Alberta etc.)	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Israel Curriculum	A minimum of High School in 12th grade with overall average 75% is required with physics, chemistry and Biology subjects.

We converted the marks for the foreign curriculum based on the World Education service link <https://applications.wes.org/country-resources/resources.asp>

A.3.3. In addition to the above 12th grade requirements student are required to do as mentioned below:

- An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT) are the English language requirements.
- EmSAT scores of 900 in two out of the three science subjects (Biology, Chemistry/Physics) & EmSAT score of 900 in Mathematics.
- Or, if the student did not complete his/her EmSAT exam, he/she has to provide the following subjects Mathematics, Biology, Chemistry/Physics done in 12th grade.
- Or, if the student did not complete his/her EmSAT exam or Mathematics & science subjects not taken in 12th grade, he/she has to attend the Admission/Entrance Exam at the University which will include (Missing Subject: Mathematics, Biology, Chemistry/Physics) and is equivalent to EmSAT subjects as per MOE guidelines.
- Passing a personal interview set by the College in addition to other conditions of admission set by the university.

English language requirement validity: Please note that the validity of TOEFL paper based test , TOEFL IBT, TOEFL CBT & IELTS is two years only and for EMSAT English score is 18 months and these scores should be valid at the time of Admission process to join any of our programs.

8.2.4 BSN Program(for those who completed 12th grade)

A.4. Admissions criteria for 12th grade High School or equivalent and additional requirements which are mandatory

Curriculum	12 th grade High School or equivalent Requirements
UAE Curriculum	A minimum High School Average of 65% for Elite Track, 70% for Advanced Track and 80% for the General Track , or equivalent in Standardized International Systems is required.
American Curriculum	An aggregate score of 70% is required . Priority in admission will be given to those with high scores in Biology and Chemistry/Physics. If Biology is not taken in 12th Grade, a SAT II score of 550 in Biology is required. OR (If Biology is not done in grade 12th, require a letter from the school that the biology which achieved in grade 10th /11th is equivalent to grade 12th). SAT in Math and English required to be completed in school for obtaining Equivalency Certificate from MOE.
SABIS	An aggregate score of 70% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
International Baccalaureate	Must have completed any six courses including Biology and Chemistry/Physics at the higher level and obtain IB score of at least 22 .
Pakistan Boards/Certificate	Higher Secondary School Certificate with aggregate of 60% can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics (Part 1 and Part 2 total).
Indian Curriculum (CBSE/ISCE) & Indian State Board	All India Senior School Certificate XII std CBSE/ISCE exams with 60% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses. Indian State board: 65% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses.
British Curriculum	Students applying for the BSN program must have completed at least two Advanced Supplementary of AS level OR one A level in Biology with at least ' C and above ' grade after having completed 5 IGCSE/GCSE or O levels with minimum grade of 'C and above' in O level courses (the aggregate is equal to 70%) equivalent to UAE curriculum. Only courses classified as academic will be considered for admission. Courses must include Physics, Chemistry and Biology with at least two of them including Biology at the AS level/A level . For grade to percentage calculation: http://www.igcsegate.com/score-calculator#
African Curriculum(WAE C/WASSCE etc)	C grade & above combination of grades in 12th grade in Biology and Chemistry can be considered. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Israel Curriculum	A minimum of High School in 12th grade with overall average 60% is required with physics, chemistry and Biology subjects.

We converted the marks for the foreign curriculum based on the World Education service link <https://applications.wes.org/country-resources/resources.asp>

A.4.4. In addition to the above 12th grade requirements student are required to do as mentioned below:

- An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT) are the English language requirements.
- EmSAT scores of 700 in two out of the three science subjects (Biology, Chemistry/Physics)
- Or, if the student did not complete his/her EmSAT exam, he/she has to provide the following subjects Biology, Chemistry/Physics done in 12th grade.
- Or, if the student did not complete his/her EmSAT exam **or** science subjects not taken in 12th grade, he/she has to attend the Admission/Entrance Exam at the University which will include (Missing Subject: Biology, Chemistry/Physics) and is equivalent to EmSAT subjects as per MOE guidelines.
- Passing a personal interview set by the College in addition to other conditions of admission set by the university.

Note:

1. English language requirement validity: Please note that the validity of TOEFL paper based test, Academic IELTS, TOEFL –IBT (internet based test) & TOEFL-CBT is two years only and for EmSAT English score is 18 months and these scores should be valid at the time of Admission process to join any of our programs.
2. The validity of EmSAT subjects such as (Mathematics, Biology & Chemistry/Physics) is 18 months only and these scores should be valid at the time of Admission process to join any of our programs.

8.2.5 RN–BSN Bridge Program(for Diploma holders only):

1. Registered nurses who have completed the Associate Degree/Diploma in Nursing from an accredited school of Nursing with 70% aggregate with 2 years of clinical working experience (OR with 65%-69% aggregate in Associate Degree in Nursing/Diploma in Nursing with 3-7 years of clinical working experience) and RN licensure from the country of origin can apply.
2. English language requirements for RN-BSN program: An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5)

Attestations & Equivalency Certificate mandatory prior to Admission:

1. Prior to admission, all students who studied foreign curriculum in UAE must produce the Equivalency Certificate from the Ministry of Education of the emirate in which studied. To obtain the same, students should visit the Ministry of Education and submit their Arabic and Islamic results for the grades 10, 11 and 12(For Muslims).
2. For students who studied foreign curriculum in UAE, attestation (official seal & stamp) of certificates grade 10 onwards until grade 12 by Ministry of Education is also mandatory.
3. Students who studied foreign curriculum outside UAE, must obtain attestation (official seal & stamp) of school grade sheets, 10th grade upwards until 12th by Ministry of Education in the country of study and UAE consulate in that country.

8.3 How to Apply

The admission procedure/important dates are announced on the RAKMHSU website and in the flyers and brochures distributed.

8.3.1 Doctor of Medicine (MD), BDS, B.Pharm, BSN Programs

Each applicant must complete the online application form available on the University Website: www.rakmhsu.ac.ae

The online application form is to be filled in and submitted as per the admission dates announced by the University. Late applicants will be received until the date mentioned in the website subject to availability of seats. Individual candidates will be informed about his/her selection subject to meeting admission requirements.

The following original documents are required to be shown as part of verification process during admission:

- Grade 12 mark sheet authenticated/attested by the relevant Ministry of Education of the country of study.
- Original TOEFL/IELTS score (not more than two years old) or EmSAT English score (not more than 18 month months old)
- A copy of EmSAT score in Math, two out of the three science subjects in EmSAT(Physics, Chemistry & Biology) OR Math and any 2 science subjects (Physics/Chemistry & Biology) done in 12th grade OR Admission/Entrance Exam at the University for the Missing Subject (Math, Physics/Chemistry & Biology).
- Certificate of good conduct OR Reference letter to be obtained on the school/college letterhead.
- 05 recent and identical passport size photographs.
- Copy of the passport.
- Copy of the visa, in case if the student is already a resident of UAE.
- A copy of the equivalency certificate should be provided after the completion of 12th grade. If you did not submit the equivalency certificate within 1st year of study. The admission will be treated as Cancelled.

Copies of these documents will constitute the Student File and rests with the Office of Admissions, in a joint agreement between the University and the student to maintain confidentiality. Student file is the property of the University but may be released to the student upon a written request, for any valid reason.

Note: In the event of submission of any fraudulent marks card, incorrect or untrue information, or suppression or distortion of any fact in any of the documents, admission is liable to be cancelled without any refund of fees, at any time during the period of study at RAKMHSU.

8.3.2 Admission Procedure for Doctor Of Medicine (MD)

The following steps will be followed for admissions to the Doctor Of Medicine (MD) program for Sept 2023 session:

1. From the online applications received, after evaluating the 12th grade marks as per the Admission requirement, students will be shortlisted based on the highly meritorious amongst the qualified candidates. A provisional offer letter will be issued to the student asking to remit the seat reservation fee to block the seat for the program. Once the student paid the seat reservation fee, based on the documents submission through online form, the student will required to do as per the clause mentioned in (A.1.1-MD)
2. The Personal Interview which is a must for All the students, the interview will be conducted virtually through google meet or Zoom software. Admissions Committee consisting of Dean of RAK College of Medicine & a panel of one or two Senior Faculty and In-Charge – Admissions, Registration & Marketing.
3. Grade 12 results are declared for various Boards of study in UAE at different timings in 3 phases-starting end of May, mid of June and first week of July. Therefore, interviews will be conducted from June onwards every week until seats are full.
 - The admission will be based on merit and on the MOE Guidelines for admission.
 - Candidates who are selected for admission after the Personal Interview will receive the Provisional Offer letter by email from the University within 2 days with a timeline for acceptance and confirmation by payment of the balance fees. If the candidate is accepting the offer of admission, he/she must comply with all the requirements specified in the Provisional Offer Letter including submission of required documents and payment of fee on or before the stipulated date mentioned in the Provisional Offer Letter. If the candidate does not respond within the deadline mentioned, the provisional offer automatically expires and the seat is allotted to the next candidate in the waiting list.
 - On compliance of the above including payment of requisite fee, the candidate will receive a registered student ID number on email and due intimation from the University regarding further details on the Freshman Orientation Program.
 - Applicants should strictly adhere to the deadlines indicated for admission, submit online applications on time and upload important document copies mentioned such as grade sheets/transcripts, EmSAT/IELTS/TOEFL scores etc and ensure application is fully completed before they click the submit button.

- Once the seats are full, the remaining candidates who have qualified after personal interview will be waitlisted.
- Waitlisted applicants and late applicants can be considered for admission if seats are still available for that program, within registration deadlines.
- Admission of students are subject to the compliance of all requirements specified in the Provisional/Admission Offer Letter.
- All the documents submitted online by the candidates will be verified with the originals submitted by the candidates during admission and duly returned after verification as per CAA Standards.
- In case of non-compliance with any of the admission criteria/ false documentation submitted, the admission of the candidate will automatically stand cancelled.

The original documents to be submitted for verification by the candidate for verification are mentioned in the Provisional/Admissions offer.

8.3.3 Admission Procedure (BDS,B.Pharm & BSN Programs)

The following steps will be followed for admissions (BDS,B.Pharm & BSN Programs) to the program for Sept 2023 session:

1. From the online applications received, after evaluating the 12th grade marks as per the Admission requirement, students will be shortlisted based on the marks of 12th grade submission and along with English language requirements. A provisional offer letter will be issued to the student asking to remit the seat reservation fee to block the seat for the programs. Once the student paid the seat reservation fee, based on the documents submission through online form, the student are required to do as per the clause mentioned in (A.2.2 – BDS, A.3.3 – B.Pharm & A.4.4 – BSN)
 2. The Personal Interview which is a must for All the students, the interview will be conducted virtually through google meet or Zoom software. Admissions Committee consisting of Dean of respective College & a panel of one or two Senior Faculty and In-Charge – Admissions, Registration & Marketing.
 3. Grade 12 results are declared for various Boards of study in UAE at different timings in 3 phases-starting end of May, mid of June and first week of July. Therefore, interviews will be conducted from June onwards every week until seats are full.
- The admission will be based on the MOE Guidelines.
 - Candidates who are selected for admission, after the Personal Interview will receive the Provisional Offer letter by email from the University within 2 days with a timeline for acceptance and confirmation by payment of the balance fees. If the candidate is accepting the offer of admission, he/she must comply with all the requirements specified in the Provisional Offer Letter including submission of required documents and payment of fee on or before the stipulated date mentioned in the Provisional Offer Letter. If the candidate does not respond within the deadline mentioned, the provisional offer automatically expires and the seat is allotted to the next candidate in the waiting list.

- On compliance of the above including payment of requisite fee, the candidate will receive a registered student ID number on email and due intimation from the University regarding further details on the Freshman Orientation Program.
- Applicants should strictly adhere to the deadlines indicated for admission, submit online applications on time and upload important document copies mentioned such as grade sheets/transcripts, EmSAT/IELTS/TOEFL scores etc and ensure application is fully completed before they click the submit button.
- Once the seats are full, the remaining candidates who have qualified after personal interview will be waitlisted.
- Waitlisted applicants and late applicants can be considered for admission if seats are still available for that program, within registration deadlines.
- Admission of students are subject to the compliance of all requirements specified in the Provisional/Admission Offer Letter.
- All the documents submitted online by the candidates will be verified with the originals submitted by the candidates during admission and duly returned after verification as per CAA Standards.
- In case of non-compliance with any of the admission criteria/ false documentation submitted, the admission of the candidate will automatically stand cancelled.
- The original documents to be submitted for verification by the candidate for verification are mentioned in the Provisional/Admissions offer.

Note the following points:

- Students with 12th grade marksheet/grades more than 2 years old will not be given priority for admission.
- The University reserves the right to refuse admission to any candidate without assigning any reason.
- The decision of the Admission Committee in the matters of admission is final.
- The jurisdiction in respect of all legal matters in admission related matters will be at Emirate of Ras Al Khaimah.

8.4 Transfer Policy

8.4.1 Admission as a Transfer Student (from other Universities/Colleges)

RAKMHSU accepts students as transferred from itself (from one program to another), or from other universities/colleges, subject to availability of seats in that program and year. The candidate requesting the transfer from an accredited university shall submit a request to the Office of Admissions & Registration with the following documents after checking if seats are available in the second week of August:

Students seeking transfer to our University are required to submit the following:

- A. Transfer application form duly completed
- B. Transfer application processing fee of AED 500/-
- C. Supporting Documents

- 1) A cover letter from the applicant detailing the reasons for the request of transfer to RAK-MHSU and how the transfer would be of benefit.
- 2) A 'No Objection for Transfer' certificate from the applicant's current institution.
- 3) The official up -to-date and attested (from Ministry of External Affairs, Abu-Dhabi, UAE) academic transcripts from the applicant's current university with an explanation of the grading system. If the original transcript is not in English an official English translation is to be provided. This is not required for those who studied at accredited colleges in UAE, GCC, UK, US, Ireland, Europe & New Zealand.
- 4) Copy of the course content of courses for which the student wishes to claim the credits.
- 5) Score of the TOEFL/IELTS last appeared.
- 6) 10 recent and identical passport size color photographs. Copy of passport valid for at least one year.
- 7) Document to be enclosed showing proof of the institution's accreditation/recognition from the respective Ministry/Government if the institution is outside UAE.
- 8) Student who are studying within UAE, the institution should be recognized as a National Register of Licensed higher education institution or other organization approved by the CAA.

Students may be accepted from other medical or health sciences university/s after the first or second year so that not more than 50% of the credits required for graduation completed at other college or university. The **admission is granted after evaluation on an individual basis.**

The following points will be taken into consideration:

The course should have been undertaken as full time program.

- At least 50% of the total credit hours of the respective program should be carried out in RAKMHSU. The student's general academic ability will be reviewed based upon careful examination of academic history, including factors such as the grade-point average, the selectivity of the University attended, the difficulty of the curriculum and the credit hours, and the required examinations of the respective semesters, if necessary.
- Students must be in good academic standing at their previous University with a GPA of at least 2.00 (70%) and above, or must have earned a 'C' grade, with no failing grades except when the entire course has been successfully repeated.

The applicant should have the capacity for the academic study of medical or other health sciences programs, based upon the scores, relevant personal qualities and characteristics of the applicant, including factors such as the applicant's career goals, cultural and educational background, moral character, leadership qualities, commitment to community service and the ability to think and act independently. This will be assessed by a personal interview of the candidate by an ad hoc committee constituted by the Office of the Examination.

Students who have discontinued their studies for a period more than one academic year may be required to appear for placement test in the courses for which credit transfer is sought

Students will be notified of the outcome of their request within ten working days from the date of submission of their application.

A student who has been dismissed from any university will be not eligible for admission as a transfer candidate, unless his/her former Dean / President gives a letter of recommendation addressed to the President confirming that the student has been reinstated, is in good standing, and is eligible for transfer and admission/readmission.

8.4.2 Policy for Inter-College transfer (change of program within RAKMHSU)

If a student who has already enrolled and paid fee in one particular college and wants to transfer to another college, the following will be the procedure:

A. For Existing Students who have already completed one year of study

- i) The transfer request application/ NOC has to be obtained from the Dean of the college where student is enrolled in and forwarded to Dean (Examination) within the university registration deadlines for the particular college/ semester. A decision regarding the transfer will be made in consultation with the Dean of the college to which the student is seeking transfer, and will depend on availability of seats, the courses studied and examinations taken in the previous program.
- ii) The student will be treated as a fresh student in the program where he is seeking transfer and will have to do all the courses offered except general education courses, if he/she has passed them in the earlier program.

Any other exemption of courses will be based on the equivalence of courses and recommendation of the Dean.

- iii) There will be no refund of fee paid in the earlier year.

B. Shifting between colleges/programs during Admission and before start of classes:

A decision in such cases will be based on the student's merit and on fulfilling the admission requirements for the particular college /program to which admission is sought and also will depend on the seats available in the program/college of his second choice. Student has to request for transfer and remit AED 500 transfer processing fee if he has not indicated the program of his second preference at the time of filling the online application form.

C. For Waitlisted Students during admission:

If a student who has been waitlisted for admission to the program of his choice has, meanwhile already joined another college/program in RAKMHSU to secure his seat; when such a student is contacted/given an offer for joining the program of his initial choice, then the entire fees including application, admission and tuition fees will be transferred to the college/program for which admission is offered. Waitlisted students will not be charged any transfer processing fee. If any additional balance fees is payable for the new program, that has to be paid by the student to confirm his seat.

In B & C above, if the fees remitted by the student for the earlier program is in excess, the balance fees will be adjusted in the tuition fee of next semester of the second program joined. Such cases during admission time and before start of classes do not require NOC of the Dean.

After start of classes, for any such request for inter-college transfer, the student must obtain the NOC of the Dean and should be within university registration deadlines for that college and fee will apply as per Category 'A' above. Any such transfer request will not be entertained if it is made one month after the start of the academic semester. The student has to further fulfill the attendance requirements of the college being transferred to.

In any of the category above, once such a change/transfer of college/program is made, the transfer is final and it will not be possible to revert the status again and the student has to sign an undertaking in this regard.

8.5 Admission of Non-Graduating Students

The University will consider application from eligible candidates for admission as non-graduating students. The conditions under which non graduating students may be admitted to RAKMHSU are listed below.

- The applicant must be a current student registered at another University or should have been a registered student within a year of date of admission to RAKMHSU as a non-graduating student.
- The applicant must have the minimum English competency as for admission to any graduating program of the University i.e., TOEFL paper based score of 500 or above or equivalent.
- The applicant must be of good academic standing and should not have been dismissed from studies by the student's previous institution.
- If the applicant has been offered a transfer to RAKMHSU he may, before the transfer date, be registered as a non-graduating student. However the student may only register for General Education courses in semesters prior to the semester of transfer into the RAKMHSU program.
- Non Graduating students will study for a maximum of two semesters either consecutive or non-consecutive, at RAKMHSU.
- Non Graduating students are permitted to register for a maximum of 15 credits per semester. Courses registered for may be from different semesters of the program or different programs but it is the student responsibility to ensure there is no conflict in the time-tables.
- All academic regulations regarding attendance and examinations and all general university regulations for graduating students will apply to non-graduating students
- Tuition fees will be on a pro rata basis according to the standard university guidelines. All other fees will be as for graduating students.
- At the end of the period of study transcripts will be issued with grade point equivalents but not Grade Point Averages or Cumulative Grade Point Averages. No other official academic document will be issued.

8.6 Registration

All the students admitted to the various undergraduate programs of the University must register at the beginning of each semester. The Admission & Registration Office will inform the date and time of registration to all the newly admitted students. Year 2 onwards, Registration is done College-wise. Existing students from year 2 onwards, have to remit fees as per deadline and complete registration into new semester with respective faculty coordinators. A student, who fails to complete the registration process on the given date, will not be entitled to attend the lectures and will be deprived of the privileges of the University and will have to remit the late registration fee. For purposes of determining the attendance of students, the date on which the student is registered will be considered as the date of commencement of studies.

Any student unable to register on the eligible date should notify the Dean of the College immediately providing reasons for the delay in registering. Following such notification the Dean may grant exemption from attendance during the delay, based on the merits of the individual cases

8.7 Freshmen Orientation Program

On admission to RAKMHSU, the student must attend the Freshmen Orientation Program. The Orientation Program is designed to familiarize the students with several aspects of the University life in general, and with their College in particular, including the academic activities and the University policies and procedures. In addition, the student will receive important information about the University student services, learning resources, job opportunities, financial aid, student activities, career counseling, housing, etc. The use of the library and its services are also included as a part of the orientation program.

8.8 Credit Hours

At RAKMHSU, the courses are calculated in terms of credit hours. Each course carries certain number of credits that are awarded after the successful completion of that course. One credit hour equals to one hour of lecture, or two hours of tutorial or laboratory work, two hours of Problem Based Learning/Case Based Learning / Team Based Learning, or four hours of clinical teaching in the hospital, per week, for 16 weeks.

8.9 Student Records & Information Release Policy

a) Purpose:

RAKMHSU maintains individual student records and information for the purpose of providing educational and personal services to its students. The university policy ensures confidentiality of the student records. The following guidelines and procedures are intended to ensure the confidentiality of student records and to establish the right of students to inspect and review their Education Records and to clarify the circumstances under which educational records may be released to third parties and to establish the appropriate procedures to be followed by students for correction of inaccurate data if any within their Education Records.

b) Access to Records:

Students have the right to review their own Education Records in the presence of a University representative-in person /electronically. An explanation and interpretation of the record will be provided by the University's representative. The student has to submit a request to view the record in writing and submit the request in writing to the appropriate office mentioning their student ID and the offices shall comply within one week of receiving the request. Student may be required to pay a small fee for the copies of their records. Student may be denied access to the copy of the record in case of any administrative hold until the hold has been removed. There may be limitations on the right to inspect or review a record especially if it has confidential details pertaining to other students.

If the student believes that a document is inaccurate, the student can request for an amendment of the same, which will be reviewed in a week. The department head shall amend the same if inaccurate / misleading or notify the student of the right for a hearing in which the student can present any evidence to support or refute the contention that the record is inaccurate.

Any other department/concerned official within the university will have access only on a “need to know basis”, with the permission granted by the In-Charge Admissions/Dean or President. Any disclosure to third party will be only after receiving the request along with the written consent of the student.

c) Identification, Description and Location of Records:

Various departments create and maintain files containing Education Records for students. Although more than one department or unit may maintain a copy of a particular record, student should direct a request to the appropriate department which is responsible for that record.

8.9.1 Academic Records with the Office of Admissions & Registration

The office of Admissions & Registration maintain the master file of the student's cumulative history. The student records (hard copies) are kept in Fireproof Lockers inside the Record room in the Office of Admissions & Registration.

It comprises of 3 major components/sections:

a) Admission & Registration Documents:

This comprise of 12th grade marks copy, TOEFL or IELTS or EmSAT equivalent score, certificate of good conduct/referral letter, Emirates ID & Passport copy showing valid residence visa, photographs and any other document that will be relevant to the program admitted to as mentioned in the Admission Bulletin. As per the CAA notification, no original documents will be filed. Only photocopies are filed. Originals are returned immediately after verification.

b) Document copies of academic progress throughout the semesters:

Copies Semester grade sheets, any notices served to student for fail/repeat examinations.

Any academic dismissal or disciplinary action taken for academic/non-academic reasons such as misconduct / non-compliance of rules and regulations that may affect his academic progress.

c) Miscellaneous Documents:

Copy of any student request/communication to Dean/other administrative departments for bona-fide letter, etc. After the admission is over, the continuous academic record of the student will be filed by the Dean's office. Dean's office will nominate one or two persons to directly visit the Record Room in the Admissions Office and update the student master file on a bi-monthly basis. The responsibility of maintaining the student's documents related to academic record/ continuous progress will be with the office of the Dean. Soft copy of all document copies are maintained in the University Management System in a phase by phase manner. Server back-up is done on routine basis and also the document copies/record can be retrieved off-site.

The overall responsibility of the Student Records once filed will be with the Head of the Office of Admissions & Registration.

For copy of any document related to admission student has to place a request to the Asst. Director of the office for Admissions & Registration.

8.9.2 Academic Records with the College or Department

The college/department which is responsible directly for the function maintains the student's individual records such as grade sheet issuance/advisor notes/course materials etc. For information regarding these records, the following offices have to be contacted.

Dean of the College of Medicine/Dentistry/Pharmacy/Nursing; Dean of Examinations

8.9.3 Financial & Administrative Records

- a) The Finance department maintains a record of student account transactions, including billing, payment and refund information. Also information of students availing Financial Aid/grants/scholarships are maintained. Student may forward any request to Assistant Director of Finance.
- b) The Administration department provides the student ID, co-ordinates health insurance services and student visa services. Student may forward any request to the Executive handling the responsibility in Administration department.
- c) Student Services Records: The Student Services department maintains records related to activities of students. A calendar or schedule of events/activities are prepared before the start of the academic year and activities are informed regularly to the students. Records pertaining to sports, transportation are also maintained by this office.

8.9.4 Student Records - Maintenance & Disposal

Maintenance and access to student records will be as per section 5.7 of the Standards for Licensure and Accreditation of the Commission for Academic Accreditation, Ministry of Education, UAE.

Student records at RAKMHSU will be retained for a period of 50 years from the year of graduating. By this time period, it is estimated that a student having completed 4 to 5 years of study would have completed his internship and Master program/ higher education and would be successfully practicing his profession. Upon graduation student files will be moved outside the student record room into a storage area in fire proof lockers

and after the said period of 50 years after graduation would be destroyed with a shredding machine in the presence of representatives of both Dean's office and Office of Admissions & Registration.

Scanned soft copies of completed student records however will be maintained for another 50 years in the University Management System.

8.10 Withdrawal Policy

Purpose:

The university is committed to helping students be successful in their courses and remain on track to complete their educational goals, however on some occasions it might be in the best interest of the student/ the college that a student withdraws from a semester/courses offered prior to the end of the program.

Scope:

This policy applies to all students who are enrolled at different colleges/programs at RAKMHSU.

General:

Before withdrawing from a course, a student is strongly encouraged to discuss her/his situation with her/his Academic Advisor and Dean to see if any other remedies (other than course withdrawal) might be available. A student should withdraw from a program only as a last resort and only for a substantial reason.

Ultimately, if a student finds it necessary to withdraw from a course or from courses, she or he must follow the procedure specified by the college.

The college may initiate a withdrawal for one or more of the following reasons:

1. The student lacks the appropriate prerequisite(s) for the program.
2. The student's attendance or participation in the class fails to meet established standards;
3. The student has engaged in behavior that interferes with the instructional process or needs a break for any personal reason; and/or
4. The student is not in good financial standing with the college.
5. The student is wanting to transfer to the other University.
6. The student is not able to cope up the stress and wanting to switch to other program. The student is not getting his/her visa from UAE

When the student withdraws in a semester, the following conditions apply:

- If the withdrawal takes place within the established refund period for the semester, a student will receive a refund. Otherwise, the student will not receive a refund.
- As described in the Catalog, registration for all courses listed for the semester is mandatory therefore student does not have the option from withdrawing from a few courses but has to withdraw from all courses in that particular semester.

- Procedure: Student has to fill the Withdrawal Form after meeting the Dean and citing the reasons for the same. After which, student has to complete the No-Dues Certificate and obtain the signatures of different heads of departments. The student will NOT receive any grade for the courses withdrawn in the transcript for any courses end year/semester examinations not taken.
- Student is allowed to withdraw any time of his studies, and gets refund if the withdrawal is within the grace time from the registration. Refer to refund policy as stated in the catalog chapter Financial Information.
- Student has clear all the financial dues if any.
- On withdrawal, Student's academic record at RAKMHSU will be closed and student will not be allowed access to UMS and to review his student academic records.
- Student is eligible to get transcript/good standing certificate for the courses completed so far.

8.11 Readmission Policy

The re-admission policy is applicable for both students of Bachelors and Masters Programs.

Students who leave the University in good standing may resume their studies by submitting a written request to the Dean of the College. A re-admission fee of AED 500 will have to be remitted in addition to the tuition fee. Students will be notified in writing of their readmission status.

Students who have withdrawn from the University and wish to resume their education should also write a letter of appeal addressed to Dean of their college or program and make an appointment for an interview with a member of the advising staff of their college or program.

All previous course work at the University remains part of the permanent record for students who have been readmitted, and the cumulative average includes all prior grades, regardless of how much time elapsed between enrollments. For deadlines and more specific information students have check with their faculty advisor or office of the Dean.

Any student that has failed to maintain continuous registration and who wishes to resume his/her pursuit of the degree must apply for readmission and will be subject to the policies and requirements in effect at the time of readmission. Before an applicant can be readmitted, the request must be approved by the Dean of the College.

8.11.1 Timelines for Re-admission

Student should address the request for re-admission at least two weeks before the beginning of the semester for which the application is being made. Readmitted students must meet the program and fee requirements that pertain at the time of their readmission. In addition, it is within the College Dean's discretion to disallow any previously taken courses from counting toward the readmitted student's degree program especially if the courses taken much earlier were outdated.

Eligibility for readmission is limited to students who were in good standing at the time of their withdrawal, and who are still meeting all the regulations governing the completion of the degree.

8.12 Postponement of Study/Leave of Absence

If a student wishes to postpone his/her study for any reason, she/he must submit a request letter to the Office of Examinations. The period of postponement will be up to a maximum of one academic year during the entire period of study.

If a student wishes to postpone his/her study for any reason, she/he must submit a request letter to the Office of Examinations. The period of postponement will be up to a maximum of one academic year during the entire period of study.

- Leave of absence for personal and non-medical reasons is processed by the Dean of the respective Colleges upon receipt of a written request from the student.
- Leave of absence may be granted to students, who are in good academic standing (GPA > 2.0).
- For medical leave of absence, students must proceed through the Dean of the College to the Office of Examinations.
- Granting of medical leave will not entitle the student to appear for any exam if the attendance is less than 75% (75% in clinical component).

9. Financial Information

The University reserves the right to increase the tuition and other fees by a maximum of 10% per academic year when deemed necessary. The regulations concerning fees and the method of their payment, will be applicable to the present as well as to the future students.

The following fee structure is applicable for the new intake students of 2023-24 registered in various programs at RAKMHSU:

9.1 - Tuition and Other Fees

i) Applicable at the time of application / admission:

S.No	Fee Details	AED	Applicable to
1	Application Fee (one time)	500	First year and Transfer students
2	Admission Fee (one time)	2,500	For all programs
3	Lab and Library Fee (per annum)	1,000	For all programs
4	Transfer Application Processing Fee	500	Transfer students at the time of joining
5	Readmission Fee	500	Repeating / rejoining students

ii) Tuition Fee:

College	Program	Amount Per Semester (AED)	Remarks
RAK College of Medical Sciences	MD	63,000	---
RAK College of Pharmacy	B. Pharm	20,500	After applying concession on the declared fee of AED 27,500 per semester
RAK College of Nursing	BSN	17,500	After applying concession on the declared fee of AED 22,500 per semester
	RNBSN	15,000	After applying concession on the declared fee of AED 22,500 per semester

College	Program	Amount (AED)	Remarks
RAK College of Dental Sciences	BDS	2,440	Tuition Fee Per Credit Hour – Dentistry Courses (180 Cr. Hours)
		1,200	Tuition Fee Per Credit Hour – General Education (21 Cr. Hours)
		4,600	Misc. Fees* Per Semester (Year 1-3)
		9,900	Misc. Fees* Per Semester (Year 4-5)

* Misc. Fees includes Lab, Library, Examination, Material/Consumable

iii) Exam Fees:

S.No	Programs	Amount (AED)
1	MD (per annum)	2,000
2	B. Pharm (per semester)	1,500
3	BSN (per annum)	2,000
4	RNBSN (per annum)	2,000

iv) Other Fee:

S.No	Fee Details	Amount (AED)	Applicable to
1	Late Registration Fee (per semester) *	500	Students registered after the due date
2	Industrial Training Fee per annum	15,000	B. Pharm (Sem IX)
3	IFOM Exam Fee per annum*	1,150	MBBS (Year V)
4	Clinical Rotation Fee Per Annum	3,000	MD (Year IV, V & VI)
5	Convocation Fee	1,500	Final Year students (all programs)
6	Uniform Fee per annum *	1,100	BSN (Year I)
		420	RNBSN (Year I)
7	Student Nurses Forum Fee * per annum	100	BSN / RNBSN
8	Mal-Practice Insurance Fee * per annum	150	BSN (Year 3 & 4) - Mandatory
			RNBSN – Optional for those who are working in hospitals
9	BLS Course Fee per annum *	420	MD (Year VI) & optional for other students
10	Cheque Bounced Charges *	500	For each instance

* Including 5% VAT

v) Optional Fee:

S.No	Fee Details	Amount (AED)	Applicable to
1	Examination Paper Review	200	per course
2	Replacement of Student ID card *	105	
3	Replacement of Health Insurance Card *	105	
4	Issue of Duplicate Hall Ticket *	50	
5	Course Description Fee *	50	
6	Log Book Fee (additional) *	60	For MD Program
		50	For B. Pharm Program
7	Additional Transcript Fee *	30	
8	Student Permanent Academic Record / Degree Verification *	300	For Bachelor Transcripts
9	Certificate 'To Whom it may concern' *	30	
10	Certificate of Status Fee / Fee Advice *	30	
11	Name Badge Fee (additional) *	30	
12	Student ID Card Tag Fee *	10	
13	Duplicate Locker Key *	30	
14	Degree Certificate Reprinting *	525	
15	IELTS Course Fee *	1,000	
16	Exam Fee (re-admitted students)	400	Per course
17	Transport Charges (Dxb/Shj-RAKMHSU)	50	One-way / per trip
18	Health Insurance Fee per annum *	2,400	Non Emirati students

* Including 5% VAT

vi) Visa Fee (Optional)

S.No	Fee Details	Amount (AED)	Remarks
1	Visa Fee for foreign students per annum	2,100	including EIDA Card
2	Visa Security Deposit	2,000	onetime fee – refundable
3	In country and local amendment fee	750	if applicable
4	Visa Cancellation Fee	300	at the time of visa cancellation

* Including 5% VAT

Note: In case of visa rejected by the Immigration department after applying for the student visa, an amount of AED 500 will be deducted from the Visa fee and the balance will be refunded to the student.

vii) Transport Fee per Semester (Optional)

S.No	Fee Details	Amount (AED)
1	From Dubai, Sharjah, Ajman & UAQ	6,250

* For transportation minimum 5 students must be registered for each zone to provide the service.

As per Federal Decree Law No. 8 of 2017, Value Added Tax [VAT] applied on certain fees at the standard rate of 5%. RAKCODS is academically a constituent college of RAKMHSU and financially managed separately, therefore VAT will differ for the fee components of BDS Program.

Optional fees such as Visa, Health Insurance, Transport, IFOM Exam Fee etc will be subject to increase as and when government departments / concerned agencies raise their charges and the maximum cap does not apply.

viii) Mode of Fee Payments:

Fee can be paid through Cash / Cheque / Bank Transfer / Online Payment Link / Debit/Credit Card / SKIPLY App (No transaction fee)

For International Telex Transfers, AED 150/- (approximate charges) has to be added along with the total fee towards bank clearance charges. Telex Transfer charges may vary for each country.

Student will be given credit only for the **Net Amount Credited** into our bank account.

9.2 Concession in Tuition Fee**A) MD Program**

20% concession in the tuition fee is provided for all students securing above 95%, in overall aggregate in 12th grade/UAE NGSSE/equivalent. This concession is limited to the first year only.

Subsequently, a student who secures annual Grade Point Average of 3.8 or above on a 4.0 scale in the year end exams, will be entitled for a 15% concession in the tuition fee for the following year.

B) BDS Program

20% concession in the tuition fee is provided for all students securing above 95%, in overall aggregate in 12th grade/UAE NGSSE/equivalent. This concession is limited to the first year only.

15% concession in the tuition fee is provided for all students securing above 90%, in overall aggregate in 12th grade/UAE NGSSE/equivalent. This concession is limited to the first year only.

Subsequently, a student who secures annual Grade Point Average of 3.8 or above on a 4.0 scale in the year end exams, will be entitled for a 20% concession in the tuition fee for the following year.

C) B.Pharm Program

20% concession in the tuition fee is provided for all students securing above 95%, in overall aggregate in 12th grade/UAE NGSSE/equivalent. This concession is limited to the first semester only.

15% concession in the tuition fee is provided for all students securing above 90%, in overall aggregate in 12th grade/UAE NGSSE/equivalent. This concession is limited to the first semester only.

Subsequently, a student who secures annual Grade Point Average of 3.8 or above on a 4.0 scale in the semester/year end exams, will be entitled for a 15% concession in the tuition fee for the following semester.

D) In the case of BSN/RNBSN Program, the University has already given a maximum discount against the declared fee in the Admission Brochure, therefore no other discounts including merit scholarships will be given to any student.

E) For eligible students, only one fee concession (whichever is higher) will be given in a semester.

9.3 Tuition fees for Readmitted, Repeaters and Transferred Students:

Readmitted. repeaters or students transferred from another institution who are not required to take all courses of the semester shall only pay fees on a pro rata basis according to the total number of credits in the courses they are required to take in that semester. For all the following years/semesters, full semester fees will be applicable.

9.4 Eligibility for registration of students:

- a) Student/s is/are deemed to be eligible for registration upon successful completion and meeting all the examination criteria for promotion for the subsequent semester.
- b) Mere payment of fees does not automatically qualify any student to be promoted to the subsequent semester/year of study.
- c) In case any student is eventually found to be NOT eligible for promotion, the fees amount already paid in advance by the student for the next semester/year of study will be adjusted against the fees for repeating the course/semester.

9.5 Registration of Students:

- Registration of student's is deemed to be complete upon confirmation of admission to the University, along with payment of all fees for the respective semester.
- Students will be allowed to pay the fee in two installments in each semester. In order to complete the registration process, a post-dated cheque for the second installment has to be mandatorily submitted along with the first installment on or before the registration date.
- Any student who has **NOT** paid his/her respective semester fees in full will **NOT** be registered in the University Management System [UMS]

9.6 Late Registration Fee:

- After the expiry of registration date, students will be allowed to register within the following five University working days, to settle the fees due along with a late registration fee of AED 500/-.
- Student's will **NOT** be eligible to enroll after the expiry of late registration date.
- Attendance shall be marked to the student in UMS software only from the date of settlement of all financial obligations to the University.

Students are advised to pay the fees on time and avoid any issues that may lead to invalidation of attendance, non-eligibility for appearing in examination/s, / loss of a semester / academic year etc. The students should also notify any delay in Registration to the Dean of the respective College immediately.

9.7 Action against non-registration:

The following actions shall be initiated after the expiry of late registration date unless the University gives special approval to continue to attend classes:

- The official University email ID of student will be suspended
- Student's name will be suspended from the clinical clerkship rotations, wherever applicable
- Student's name will be suspended from UMS portal

9.8 Refund Policy (applicable only for Tuition & Transport Fee) – All other fees once paid are non-refundable:

Requests for refund should be made at the Office of Admission & Registration by submitting a written request of withdrawal / e-mail along with original fee receipt. Refund will be made only after clearance of all dues, if any, to the University. On approval, the amount shall be refunded as mentioned below:

Refund request submission– Timeline For All Programs	Amount eligible for refund
Any time after admission and tuition fee payment until 31st July 2023	50% of the tuition fee for the semester All other fees once paid are non-refundable
On or after 1 st August 2023	No refund of any fees

9.9 Refund of Transport Fee:

Students who decide not to avail the bus facility within two weeks from the date of commencement of classes will be refunded 50% of the transport fee. Beyond two weeks, the total fee paid is non-refundable.

For subsequent semesters, all fees once paid are non-refundable.

9.10 Policy for Cheque Bounce

- a) In case of cheque bounce, the respective student will be liable to pay a fine of AED 500/- [applicable on each such occasion] to the University and in addition to the fine, the entire fee dues must be cleared within five University working days from the date of cheque bounce. In case of any further delay to settle the fee dues, appropriate **LEGAL ACTION** will be initiated as per the UAE laws.
- b) Such student/parent/guardian/sponsor whose cheque/s has bounced will forego the opportunity of payment/s through cheque/s and henceforth for the remaining semester/s, they will pay by **CASH** [UAE Dirham] only.

9.11 Student Residence Facility:

Students of RAKMHSU are provided hostel facilities in the Student Residence Facility the Government of Ras Al Khaimah has built in the American University of Ras Al Khaimah (AURAK) Campus. Hostel fees are not under the purview of RAKMHSU. The current fee structure is available from the Admissions Office or Student Affairs Unit at RAKMHSU.

9.12 Bank Loan Assistance:

On request by the student, the University will issue a bonafide certificate along with the statement of annual expenditure for the program to enable students to obtain the maximum educational loan from the banks. The student is ultimately responsible for resolving all issues involving loan delinquencies, defaults, and/or any other circumstances that would result in the student being ineligible to borrow through any loan program.

9.13 Health Insurance:

Health insurance coverage is essential for all students studying in RAKMHSU and the insurance fee is collected along with the tuition fee, on or before the scheduled date for the fee payment. Students who have their own medical insurance arrangements, shall submit a copy of the valid health insurance card to the University for records.

The student should opt for the university provided health insurance card by 30th September of each academic year. The university will not be able to enroll new members in the insurance scheme on or after 1st October, as per the contract between the university and the health insurance company.

10. Students' Affairs

10.1 Students' Rights and Responsibilities

Detailed information on students' rights and responsibilities are found in Sections 4 and 5 of the Student Handbook

- The University ensures academic freedom of the students and fosters intellectual development in an atmosphere of active engagement in the educational process, and encourages free discussion, free inquiry and free expression regarding issues within the domain of the course or program are encouraged.
- Students are evaluated on the basis of their academic and clinical performance.
- Information obtained from students in the course of counseling, teaching or advisory meetings shall be confidential except under exceptional circumstances. Such circumstances include situations where there may be potential harm to another individual, faculty member may be prevented from fulfilling his/her responsibility or when the safety of the society or the reputation and integrity of the University is at stake.
- Students have freedom of speech and expression, so long as it does not violate laws of the country, rules, policies and procedures of the University, or adversely affect the function of the University or any member of the university community.
- Publications by Official Student Bodies have editorial freedom, but shall be subject to review Faculty Advisors. Posters and other similar written notices must be registered with the Office of the Student Affairs, before it is to be distributed or displayed in locations designated for such purposes.
- Students should use information technology in keeping with the regulations of the University.
- The students are encouraged to express their views through established channels, on issues of College/University policy and on matters of general interest to the student body.
- Official records of students are held in confidence by the University. Students have access to their records by submitting a written request. Student records are available to the Faculty Advisor, Dean, and Department Chairperson on request.
- Photo identification cards are issued free of charge to all new students during orientation week. Identification cards must be worn at all times and shown on request to university authorities. Students should report lost cards to the Office of the Finance and Administration and obtain a replacement, by paying a fee.
- All health science professionals shall be groomed and dressed in a manner which will help them to attract respect from their patients and the society in general. Detailed dress code for female and male students is given in the Student Handbook.

- The University encourages scholarly activities among its faculty and students. These include research and participation in conferences and other scientific meetings. However all such activities should be performed following the regulations of the University.
- Students of RAKMHSU are encouraged to participate in various developmental activities. Students will be nominated for various committees such as Library Committee, Academic Advising Committee, IT Services Committee, Grievance Redressal Committee, Sports and Cultural Activities Committee, etc.

10.2 Academic Support Services

Detailed information is available in Section 6 of the Student Handbook

- The University provides counseling services to help students to overcome obstacles to academic progress, to examine personal and intellectual strengths and weaknesses, and to learn skills which promote personal and intellectual development.
- Personality development workshops provide students with opportunities to develop personal management skills to enable them to succeed academically as well as personally. Programs include topics such as managing procrastination, performance anxiety, stress management, communication skills, assertiveness, anger management and building healthy relationships.
- The counseling center provides crisis intervention assistance to the students who are experiencing crises which affect their ability to function in the community
- RAKMHSU provides career services to undergraduates and contributes towards making RAKMHSU graduates develop clarity of purpose and appropriate decision-making abilities, so that students will be confident, selective and competitive in managing their careers and further academic pursuits. The University also creates opportunities for students to make contact with prospective employers.

10.3 Student Support Services

Please also refer to Section 7 of the Student Handbook

- Learning Skills and Tutorial Programs: The Office of Student Affairs organizes workshops on personality management, time management, test-taking, vocabulary development and stress management.
- Dining Services: The cafeteria is located at the students' center to provide hygienic and cost effective meals and refreshments to the students throughout the weekdays.
- Residence Halls: Government of Ras Al Khaimah has built state-of-the-art Student Residence facility in American University of Ras Al Khaimah (AURAK) Campus, for the benefit of students pursuing higher education in various institutions located in Ras Al Khaimah including RAKMHSU.
- Sports Complex: RAKMHSU provides the students with state-of-the-art Sports Complex including multipurpose sports hall, outdoors playground, two GYM halls separately for males and females and Students Lounge accommodating various Activity Clubs.
- Social and Cultural Activities: The Office of the Student Affairs organizes implements and supervises all social, cultural and entertainment programs relating to the students.

- **Spiritual Facilities:** The University offers separate prayer rooms for men and women.
- **Lost and Found:** The Office of the Students Affairs facilitates identification and the return of items lost/found within the University. Proper proof of identity and acknowledgment of receipt are needed for the returned property.
- **Parking and Transportation:** The University provides free car parking slots to the students subject to availability. Students should register their vehicles at the Office of the Student Affairs. Parking stickers will be issued for registered vehicles. RAKMHSU provides transportation in air-conditioned shuttle buses to all students from different locations subject to adequate numbers. These locations include Dubai, Sharjah, and Ajman. For detailed information on transportation, students are advised to contact the Office of the Student Affairs.
- **Security:** The University provides on campus security, regulates the campus traffic and parking system, and is authorized to enforce all related security regulations on a 24 hour basis
- **Student Health Services:** Students are eligible for health services through the health insurance scheme in designated hospitals and clinics. Ras Al Khaimah has many pharmacy outlets which offer a full range of medication for health insurance holders.

10.4 Community Engagement

As per the university's Mission statement and the guiding principles, RAKMHSU takes part in all activities that strengthen the University's bond with the local community and the UAE community at large, through contribution to the organization of specific events, participation in activities, or presentation at conferences and seminars. Maintaining interaction in such ways contributes to communicating the RAKMHSU's academic vision of rendering services that benefit the local community as well as reinforcing the important values of cooperation, solidarity, responsibility, self-reliance, leadership, and team-spirit among students, faculty & staff

With effect from the Academic Year 2023/2024, all students are required to complete at least 40 hours of Community Service to be eligible for graduation.

Students shall be recruited to volunteer through registration link

- For the activities organized by the university/college in collaboration with community partners, the total number of hours served and the details of the activities will be forwarded to the respective college Dean to be kept in the student's record. In addition, certificates of participation will be issued
- For the activities through UAE Volunteering Portal (e.g. Sanid, Red Crescent, Takatuf..), the student will be required to provide the portal records with evidence of the number of hours completed and the details of the activity to be kept in his/her record.

10.5 Student Council

Please see further information in Section 8 of Student Handbook

Students Council is elected at the beginning of every academic with a mandate to promote the common interest of students and operate in a manner consistent with the University's mission and code of conduct.

10.6 University Guide to Student Behavior

A detailed account is available in Section 9 of the Student Handbook

- RAKMHSU stands for the human dignity and worth of every person and believes therefore, in values that foster the human respect needed for people to live, work, study and recreate together as a community. In keeping with this philosophy, RAKMHSU has a code of conduct which promotes the well-being of individuals and groups who make up the community.
- Rules and regulations provide the basis for a reasonably ordered life. The mere observance of rules, however, without the cooperation and personal appropriation of the values they protect, falls short of what RAKMHSU hopes for everyone who is part of the community.
- These regulations include policies on student academic integrity and academic honesty. Procedures and policies for disciplinary action are also clearly detailed.
- The students are prohibited from any behavior of radicalization, extremism and terrorism which adversely affects the university and either constitutes a criminal offense as defined by UAE law, or indicates that the student may present a danger or threat to the health or safety of the others
- Student grievance policies and procedures have been formulated to assist students in instances where grievances occur; it is the aim of the University to resolve them amicably and promptly, in a manner that is both fair and equitable to all concerned.
- Dismissal of a student for adequate cause: Apart from Academic Dismissal, a student may be dismissed from the University for Disciplinary Reasons. A formal proceeding shall be initiated and followed before such dismissal.
- Policy on Sexual Harassment: The University has zero tolerance on sexual harassment of any member of the university community by another.
- General welfare: Where grievances concern matters of administration, financial matters, or services available to students, students should initiate a discussion with the appropriate member(s) of staff. Discussion will be within the context of the rules and regulations as set out in University publications.

10.7 Academic Honesty

The policy for academic honesty is outlined below:

- All academic work and materials submitted for assessment must be the work of the student.
- Cheating is not only limited to copying from the work of others and providing unauthorized assistance, but also include the use of devices or other surreptitious means for the purpose of obtaining falsely-derived passing scores on examinations.
- Students are prohibited from submitting any material prepared by or purchased from another person or company.
- All students are expected to take the process of education seriously and act responsibly. Students who violate University examination rules are subject to disciplinary action.

- If a student is found to be cheating, the following penalties apply:
 - The students will fail the course in which they were found to be cheating.
 - A disciplinary warning will be added to their file.
 - Subsequent episodes of cheating or academic dishonesty will result in dismissal from the University.

10.8 IT Enabled Services and Resources of the University

The IT department aims to

- a. Leverage existing, emerging, and innovative IT Enabled Services and Resources to enhance and streamline Learning & Teaching Activities of the University
- b. Ensure the Privacy, Integrity and Reliability of the IT Enabled Services & Resources of the University.
- c. Continuously fine-tune the IT Enabled Services and Resources by getting feedbacks from Users on their Satisfaction Levels and implement the changes accordingly after proper evaluation and approval by the University.

10.8.1 IT Resources

1. RoboCampus - UMS is a Tailor-made ERP System with 14 Number of functional modules to facilitate oother execution of the interlinked Operational workflows to have centrally managed unified Data across the University.
2. Lecture Halls, Labs and PBL Rooms are equipped with the latest configuration of Projectors, LED Screens and Audio Systems for the Effective Teaching & Learning Activities the University.
3. Dedicated Computer Lab with 210 Latest configuration of Desktops to conduct Online Examinations.
4. Computer Lab with 65 Desktops to conduct Regular Sessions.
5. Dual 500 Mbps High Speed Internet Broadband connections from different Service Providers in addition to 16 Mbps Managed Internet Leased Line (ILL) to Access University Resources Off-Campus.
6. 80 Mbps High Speed Internet Broadband connection with IT facilities like Wi-Fi connection, Projector / LCD Screens to conduct sessions in Satellite Libraries – Omran Hospital and Fujairah Hospital for our Faculty and Students.
7. 1 Gbps of LAN Bandwidth to provide better connectivity and speed from End User's System to Datacenter to Access IT Enabled Resources and Services.
8. Managed Wireless Enabled Services [Wi-Fi] Facility all over the Campus.
9. E-Mail Services Powered by Google with below mentioned features for the effective communication with Students, Faculty & Staff members:
 - Unlimited Mailbox size for each User.
 - Attachment size of up to 25MB.
 - Google Meet, Class Room, Drive, Forms and Allied Applications.
 - Accessible from Anywhere, Any Device and Any Operating System.
 - E-Mail Grouping for Easier communication.

10. Latest configuration of Systems with required Applications are provided to all the Faculty and Staff Members.
11. Avaya Telephone System - PRI Line with 200 Direct Extensions.
12. SafeQ Print Control System facility in Library to provide paid Printing, Photocopying & Scanning Services to the Students.
13. Dedicated Internet Browsing center in Library with more than 35 Desktops.
14. IP Based CCTV Surveillance System with more than 375 Night Vision and High Definition [HD] Camerasto monitor and record Campus Activities round the clock. Designed in line with Ministry of Interiors - Hemaya certified.
15. Interactive & Responsive University website interlinked with IT Enabled Services.
16. Academic Simulation Applications and Visualizers are provided for the effective Learning and teaching.
17. Gyms, Sports Complex and Music Room are configured with the latest configuration of Audio Visual system.
18. Windows Based Network Services
19. Support for Operational specific Services.
20. Centralized Public Address (PA) System for Announcements.

10.8.2 Smart Board

The University has fixed Smartboards in all the lecture halls to transform the classroom into a collaborative place to conduct interactive teaching and learning sessions among faculty and Students to increase student engagement. Smartboards are connected with the inbuilt lecture hall's audio-visual system and Projectors to provide a uniform AV effect across the Lecture Hall.

Smartboard Features :

- Whiteboard feature
- Multi-writing
- Annotation
- File saving & transfer
- Document viewer
- PowerPoint presentation
- Web browsing
- Screen sharing - Laptops, computers, and smartphones

10.8.3 Guidelines to Access University IT Enabled Resources and Services.

IT Department requests to follow below mentioned guidelines to access IT Enabled Services and Resources of the University to maintain privacy and integrity of information.

1. Access University IT Enabled Resources only through Mozilla Firefox web browser for better compatibility and access.
Download Mozilla Firefox from: <https://www.mozilla.org/>
2. Use Minimum 8 characters with the combination of Alphanumeric and special characters in the Password
3. Do Not use Guessable and Easy Passwords.
4. Do Not Disclose Login credentials with any one in any circumstances to protect Privacy and Integrity of the system.
5. Do Not Access University IT Enabled Services from Public Places - Internet cafe, hotspot areas, VPN, unknown systems.
6. Logout from online Resources After the usage.
7. Password Reset: Request to contact IT Department in Person along with University ID card to reset EmailPassword. However, UMS Password reset can be requested only from your University Email Account, if required.
8. Password Reset request may not be accepted over the phone.

10.8.4 How to Access IT Enabled Services & Resources of the University.

The links to access following IT Enabled Services and Resources of the University are provided in one place under “[IT Services](#)” section of the website for easier access along with User Manuals, configuration details and IT Support Center contact details.

Steps :

- Open University website - <https://www.rakmhsu.ac.ae/>
- Search “[Useful Links](#)” (Footer of the Home Page)
- Click on “[IT Services](#)” section
- Click on required IT Services then enter User Name and Password.
- Please follow the steps provided in IT Manuals available in “Downloads” below [IT Services](#)” section.

11. Students' Grievance Policy

RAKMHSU seeks to create and maintain a healthy and enjoyable study environment, and one that will enhance personal development.

In instances where grievances occur, it is the aim of the University to resolve them amicably and promptly, in a manner that is both fair and equitable to all concerned.

Complaints or appeals by students to the Office of the Student Affairs, shall be made responsibly.

11.1 Students' Grievance Procedure

To maintain a grievance, the complaining party must allege that he or she has suffered a substantial injury resulting from violation of rights or privileges concerning academic freedom, research or other activities, arising from:

- Acts of discrimination prohibited by the University;
- Failure to comply with rules, regulations, and procedures established by the University;
- Arbitrary and capricious actions on behalf of the University; and
- Retaliation for exercise of protected rights.

11.2 Procedures for implementation of grievance redressal

11.2.1 Informal Resolution

Before instituting a formal grievance, the aggrieved party shall make all reasonable efforts to achieve a resolution of the situation through informal consultation with the appropriate faculty advisor/mentor and administrative officers.

11.2.2 Preliminary Proceedings

If informal consultation fails to resolve the matter, or if the aggrieved student concludes that such consultation is not feasible or would be futile, the aggrieved student shall refer the dispute to the Grievance Redressal Committee, by means of a letter addressed to the Chair on behalf of the University. The letter shall identify the general nature and circumstances of the grievance.

11.2.3 Students' Grievance Redressal Committee

The Grievance Redressal Committee consists of three faculty members with full-time teaching appointments who are nominated by the President based on the recommendations from the respective Deans. In addition, one student representative (President or any office bearer of the Student Council) will also be included.

The Chairperson, who is appointed by the President will convene the Committee upon receipt of a request of an appeal against disciplinary action from a student, and will forward its recommendation to the Dean.

A student may appeal against the Grievance Redressal Committee's decision to the President whose decision is final.

11.2.4 Formal Proceedings

Commencement of Proceedings:

- The aggrieved party may commence formal proceedings by means of a grievance sent to the
- Chairperson of the Grievance Redressal Committee with a copy to the Dean on behalf of the University.
- The grievance shall identify the aggrieved party as the “Grievant” and shall name the other party (concerned student, faculty, departments / offices) as the “Respondent”.
- Within five working days of receipt of the grievance, the Chairperson shall reply in writing, sending copies of the reply to the Dean and the Grievant. The reply shall set forth with particularity the position of the respondent with respect to each allegation of the grievance.
- If majority members of the Grievance Redressal Committee, after an opportunity for argument by the parties, agrees that for any of the reasons set out in this section a hearing is not warranted, the grievance shall be dismissed, in whole or in part, and the matters dismissed shall be deemed closed.
- On the determination that a hearing is warranted, the Chairperson shall establish a schedule for the hearing. Grievances shall be heard and decided with reasonable dispatch, and ordinarily shall be completed within five working days after the determination that a hearing is warranted. However, due consideration shall be given to the University's normal academic calendar.
- A grievance procedure is not a formal judicial proceeding. Its purpose is to provide a fair evaluation of an allegation that a right or privilege has been violated. In order to achieve that end, the Grievance Redressal Committee shall have authority to call any material witness who is a member of the University faculty, administration, or staff and any other student who is willing to testify; to question parties and witnesses; to exclude matters it deems irrelevant; to place reasonable limits on arguments, the presentation of evidence, and the questioning of witnesses by the parties.
- The University will make a reasonable effort to facilitate the appearance of all faculty, administration, staff and students reasonably called to testify.
- The procedure at the hearings shall be informal but shall comply with the requirements of fairness to the parties.
- A party shall be entitled to inspect and copy, in advance of the hearing, all relevant documents in the control of the other party and not privileged, and may offer such documents or excerpts there from in evidence.
- The parties shall be entitled to present opening and closing statements.
- If necessary, a tape recording of the hearing shall be made and one copy shall be kept on file by the University.

- At the conclusion of the presentation of evidence and argument from both sides, the Committee shall convene a closed session to deliberate and reach a decision.
- In rendering its decision, the Grievance Redressal Committee shall determine whether the Grievant has established by clear and convincing evidence that he or she has suffered a substantial injury.
- The Grievance Redressal Committee shall render its findings and recommendations in a written opinion that shall state the number of members subscribing to the opinion, and shall include dissenting opinions, if any. This opinion shall be submitted to the Chair of the Grievance Redressal Committee, and copies shall be transmitted to the parties and to the Dean of the College.

a) Final Disposition

The Grievance Redressal Committee shall discuss its findings with the President and the final decision shall be implemented by the University upon discussion with the President.

b) Dismissal of a student for adequate cause

Apart from Academic Dismissal, which is explained in detail in the Catalog, the student may be dismissed from the university on his/her misconduct either with his/her fellow students/staff, or on any other ground which the university deems necessary. A formal proceeding shall be initiated before such dismissal.

c) Commencement of Proceedings

- Proceedings to dismiss a student for adequate cause may be commenced by a complaint, addressed to the Chairperson of the Grievance Redressal Committee. During the proceeding, the student shall be suspended from attending the classes, library or any other academic activity. A copy of the complaint shall be delivered in hand to the student concerned, sends a copy through email and/or shall also be sent by courier to the student's residence.
- Within five working days of the receipt of the complaint, the student concerned shall reply in writing, sending copies of the reply to the Chairperson of the Grievance Redressal Committee and to the Dean of the College. The reply shall set forth with particularity the responding student's position with respect to each allegation of the complaint.
- Upon receipt of the complaint, the Grievance Redressal Committee shall deliberate the issue and take a final decision in consultation with the President.

12. General Education at RAKMHSU

12.1 General Education Curriculum

The General Education department has been an integral part of the RAK Medical and Health Sciences University ever since its inception. The General Education curriculum is designed to provide students with an opportunity to develop their academic skills, enhance their capacity for intellectual inquiry and critical reasoning, learn effective communication, shape individual values, and prepare them to function in a rapidly changing digital world in their academic, professional, personal and social lives as a foundation for lifelong learning.

The Curriculum is designed to develop collegial skills in English, Arabic, Islamic, Information Technology, Psychology, and Emirates Society. Each course is customized by the program needs of the constituent colleges.

Courses: The General Education Program includes the linguistic and communicative skills in English, Arabic, intellectual skills, Mathematical and statistical skills, Information Technology skills, humanities and ethics, Emirates Studies and Psychology and Behavioral Sciences. These areas of study make it possible for students to acquire and create knowledge, consequently, enabling them to assess existing values and develop new ones.

12.2 General Objectives

1. Communicate effectively in both English and Arabic.
2. Employ empathy with patients and people in general.
3. Demonstrate cultural awareness and competence in a multicultural environment.
4. Apply critical thinking and make evidence-based decisions in the healthcare professions individually and in teams.
5. Demonstrate teamwork with colleagues and other health professionals.
6. Appreciate ethical and good practices in the health sciences profession for the general good of humankind.

Learning Outcomes

On successful completion of the General Education courses, the graduate will be able to acquire the following specific skills:

Knowledge:

1. Describe values inherent in Islamic and diverse cultures in UAE.
2. List the elements of Critical Thinking and steps of Problem Solving.

4. Identify the usage of components of Information Technology in health care.
5. Understand different methods of communication in specific contexts.

Skills:

1. Recognize psychological and behavioral processes influencing healthcare.
2. Implement necessary skills for problem-solving through effective communication in English and Arabic.
3. Give an organized presentation in front of a culturally diverse audience.
4. Practice critical thinking skills.

Competence:**A. Autonomy and Responsibility**

1. Critically evaluate situations that need communication skills.
2. Demonstrate the ability to deliver bad news to patients and their families.
3. Recognize the value of utilizing research findings to improve the quality of medical and health science practices, education, and management.
4. Appreciate the interconnectedness of the social and cultural dimensions within and across local, regional, state, national, and global communities.

B. Role in Context

1. Apply the competencies gained in General Education.
2. Discern stress among patients.
3. Practice Active Listening with patients and people in general.
4. Work as part of a diverse team with colleagues and other health professionals.

C. Self-Development**1. Value diversity and cultural differences.**

2. Appreciate ethical and good practices in the health sciences profession for the general good of humankind. The General Education Courses are common for students of all health sciences disciplines and are in keeping with the university's mission.

12.3.1 General Education Courses offered for Medical (MBBS/MD) Program

S.No.	Course No	Course Title	Credits
1	ENG 103	English	3
2	HSC 103	Health Sciences Communication in English	3
3	ITI 203	Information Technology and Innovation	3
4	PSY 103	Psychology & Behavioral Sciences	3
5	ARB 103	Health Sciences Communication in Arabic	3
6	ICM 103	Islamic Culture and Medicine	3
7	MES 103	Emirates Society	3
8	MIE 203	Medical Innovation and Entrepreneurship	3

Course Description

ENG 103 English

Credits: (3+0=3)**Course Prerequisite: None**

Course Summary: This course covers the basic skills of the English language required for students of Medicine. This course includes the use of professional English in medicine including medical terminology with the correct pronunciation. It hones the students' English language skills to read, write, listen, and speak effectively in medical contexts.

HSC 103 Health Sciences Communication in English

Credits: (3+0=3)**Course Prerequisite: ENG 103**

Course Summary: Health Sciences Communication in English covers the soft skills required for a medical professional to interact with patients and their families. At every level, it emphasizes Empathy, Active Listening, Critical Thinking, and problem-solving skills while interacting with patients, their families as well as their colleagues. Students are exposed to techniques of communicating in different contexts. Public Speaking skills including conference presentations are practiced.

ITI 203 Information Technology and Innovation

Credits: (3+0=3)**Course Prerequisite: None**

Course Summary: The Computer Skills course is designed to provide students with basic Information Technology (IT) to equip them with the essential skills required as healthcare professionals. This course covers system security, communications, and a variety of computer applications including Word, Excel, and PowerPoint. The students are exposed to input-output devices, which will be helpful in their future careers. The course also includes discussions on the impact of information technology on various aspects of healthcare.

PSY 103 Psychology and Behavioral Sciences

Credits: (3+0=3)**Course Prerequisite: None**

Course Summary: Psychology is the study of human behavior and consists of various psychological principles and theories that enhance one's understanding of human thoughts, emotions, and behaviors. This course includes psychological principles such as learning, behavior, emotions, and personality development that will aid in the comprehensive management of patients required of medical professionals. It also includes the practical skills of counseling and motivational interviewing which are integral components of good medical practice.

ARB 103 Health Sciences Communication in Arabic

Credits: (3+0=3)**Course Prerequisite: None**

Course Summary: : This course adopts a variety of language situations to assimilate everyday life issues for students of medical and health sciences. Different issues related to daily life such as greetings and introductions are covered through oral dialogues. The course gives priority to pronunciation and correct articulation while speaking in Arabic.

ICM 103 Islamic Culture and Medicine

Credits: (3+0=3)**Course Prerequisite: None**

Course Summary: Islamic Culture and Medicine course introduces the concept of medicine in Islamic belief. The course covers the pillars of the Islamic faith, the ethical and moral issues, rights and duties, and allowance and forbiddance of certain surgeries and procedures related to medicine under Islamic belief.

Course Description**MES 103 Emirates Society****Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: The Emirates Society course seeks to consolidate national belonging and identity and appreciate the national achievements of the United Arab Emirates. The course focuses on introducing medical students to the main social features of the Emirati community and its core values and heritage, as well as the history and geography of the country. It discusses the internal and foreign policy, social development, and services provided by the State, including the empowerment of women and their role in society. The course also aims to shed light on UAE's role in building an Emirati knowledgeable society, encouraging multiculturalism, and developing solid economic and technological infrastructure, as well as positioning UAE at a globally competitive level. The course also includes the future visions and challenges towards developing strategic plans as it discusses Federal Government Vision and Abu Dhabi's Vision 2030 and the different issues related to future development plans and the expected challenges.

MIE 203 Medical Innovation and Entrepreneurship**Credits: (1+2=3)****Course Prerequisite: None**

Course Summary: Medical Innovation and Entrepreneurship is a two-credit course offered in the second semester of the second year of the Medical program. The goal of the course focuses on assisting the students to acquire a practical approach to how to transform a novel idea into a successful commercial product and application of knowledge to real-life organizational issues faced by those establishing and managing innovation-driven organizations. The course also encourages students to understand how to evaluate the opportunities to design new medical products and organizations that solve problems or make patients' lives better; seek the knowledge of building teams to manage and launch new ventures. Learning is facilitated through interactive lecture sessions, group discussions, and self-directed learning.

12.3.2 General Education Courses offered for Dental (BDS) Program

Course Name	Course Code	Credit Hours
English	ENG 101	3
Health Sciences Communication in Arabic	ARB 101	3
Information Technology and Innovation	ITI 101	3
Health Sci. Comm. in English	HSE 101	3
Islamic Culture in Medicine	ICM 101	3
Emirates Society	EMS 101	3
Biostatistics and Research Methodology	BRM 101	3

Course Description**ENG 101 English****Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: This course provides the basic skills of the English language required in dental practice. It covers college-level writing standards, reading for comprehension purposes, editing techniques, and organization of material to express themselves clearly and effectively. Students will be familiarized with basic Medical/Dental terminology. Faculty will facilitate learning through interactive lecture sessions, group discussions, and team-based learning.

ARB 101 Health Sciences Communication in Arabic**Credits: (3+0=3)****Course Prerequisite: ENG 103**

Course Summary: This course has been prepared to provide the students with the basic knowledge and skills of communication in the Arabic language with patients and healthcare staff. The course also focuses on reading and listening for understanding to prepare them for real-life situations. The course gives priority to pronunciation and correct articulation while speaking in Arabic. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and practice.

ITI 101 Information Technology and Innovation**Credits (2+1=3)****Course Prerequisite: None**

Course Summary: : Innovation in Information Technology is a three-credit course offered in the first semester of the first-year Dental program. The goal of the course focuses on identifying the components of the information systems namely, the hardware, software, and connectivity. It also focuses on operating system environment, Internet, social media, and telecommunication; as well as the ethical use of electronic data in health informatics and health information system. It also directs the students to apply the rules of problem-solving related to health sciences through the effective utilization of information technology equipped with Artificial intelligence, Machine learning, 5G technology, the Internet of Things, and Machine learning. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and demonstrations.

HSE 101 Health Sciences Communication in English**Credits (3+0=3)****Course Prerequisite: None**

Course Summary: This course is to provide the students with the essential skills and competencies needed for professionals in health care. The course aims to train students to be able to communicate with clarity, sensitivity, and effectiveness in their interaction as Dentists to communicate with patients and their families. The course focuses on Empathy and Active Listening Skills while interacting with patients, their families as well as their own colleagues to achieve desired patient outcomes. It also focuses on Public Speaking skills, including conference presentations. Faculty will facilitate learning through interactive lecture sessions and group discussions.

ICM 101 Islamic Culture and Medicine**Credits (3+0=3)****Course Prerequisite: None**

Course Summary: : This course has been prepared to discuss the current medical and scientific issues through the Islamic perspective. It focusses on developing an understanding and appreciation of Islamic contribution to medicine in particular and science in general. The course aims at engaging in students' awareness about Islamic Codes related to health and medicine. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning.

Course Description**ENG 101 English****Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: This course provides the basic skills of the English language required in dental practice. It covers college-level writing standards, reading for comprehension purposes, editing techniques, and organization of material to express themselves clearly and effectively. Students will be familiarized with basic Medical/Dental terminology. Faculty will facilitate learning through interactive lecture sessions, group discussions, and team-based learning.

ARB 101 Health Sciences Communication in Arabic**Credits: (3+0=3)****Course Prerequisite: ENG 103**

Course Summary: This course has been prepared to provide the students with the basic knowledge and skills of communication in the Arabic language with patients and healthcare staff. The course also focuses on reading and listening for understanding to prepare them for real-life situations. The course gives priority to pronunciation and correct articulation while speaking in Arabic. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and practice.

ITI 101 Information Technology and Innovation**Credits (2+1=3)****Course Prerequisite: None**

Course Summary: Innovation in Information Technology is a three-credit course offered in the first semester of the first-year Dental program. The goal of the course focuses on identifying the components of the information systems namely, the hardware, software, and connectivity. It also focuses on operating system environment, Internet, social media, and telecommunication; as well as the ethical use of electronic data in health informatics and health information system. It also directs the students to apply the rules of problem-solving related to health sciences through the effective utilization of information technology equipped with Artificial intelligence, Machine learning, 5G technology, the Internet of Things, and Machine learning. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and demonstrations.

HSE 101 Health Sciences Communication in English**Credits (3+0=3)****Course Prerequisite: None**

Course Summary: This course is to provide the students with the essential skills and competencies needed for professionals in health care. The course aims to train students to be able to communicate with clarity, sensitivity, and effectiveness in their interaction as Dentists to communicate with patients and their families. The course focuses on Empathy and Active Listening Skills while interacting with patients, their families as well as their own colleagues to achieve desired patient outcomes. It also focuses on Public Speaking skills, including conference presentations. Faculty will facilitate learning through interactive lecture sessions and group discussions.

ICM 101 Islamic Culture and Medicine**Credits (3+0=3)****Course Prerequisite: None**

Course Summary: This course has been prepared to discuss the current medical and scientific issues through the Islamic perspective. It focusses on developing an understanding and appreciation of Islamic contribution to medicine in particular and science in general. The course aims at engaging in students' awareness about Islamic Codes related to health and medicine. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning.

EMS 101 Emirates Society**Credits (3+0=3)****Course Prerequisite: None**

Course Summary: The course explains the basic knowledge related to the nature of the UAE Society. It also helps dental students to understand the geography, historical roots, evolution of statehood, cultural & educational development, economic development and diversification of income, energy, social development, dentistry in UAE population structure, internal and foreign healthcare policy, challenges and future aspirations of UAE.

BRM 101 Biostatistics and Research Methodology**Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: This course is designed to teach students how to find, evaluate and apply research evidence to make decisions regarding the care of their patients. This provides the students an opportunity to perform innovative, multidisciplinary research in the diagnosis, prevention, and treatment of dental and oral health-related diseases. The students select a suitable topic for research in dental sciences under the guidance of the course coordinator and a member of the dental faculty. Students learn how to work independently and be creative in their thoughts and ideas. The course offers knowledge on the application of the basic principles of research design, methods of data collection, and how to analyze them in dental health sciences. The course also provides the steps necessary to design and write a research project.

12.3.3 General Education Courses offered for Pharmacy (B.Pharm) Program

Course Name	Course Code	Credit Hours
English	PEN 103	3
Health Sciences Communication in English	PEN 203	3
Information Technology for Pharmacy	PIT 102	2
Health Sciences Communication in Arabic	PAR 103	3
Emirates Society	PES 102	2
Islamic Culture and Medicine	PIC 203	3
Biostatistics and Research Methodology	PBR 403	2

Course Description**PEN 103 English****Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: English is a three-credit course offered in the 1st semester of the B.Pharm Program. The primary goal of this course is to develop the writing skills of Pharmacy students to generate and express their ideas clearly, correctly, and effectively. It covers college-level writing standards, reading for comprehension purposes, prewriting techniques, organization of material and speaking skills. Students will be able to write fluent and logical compositions from small paragraphs to multi-paragraph essays for various purposes in the health sciences context. They will also be familiarized with basic medical / pharmacy terminology. Learning is facilitated through interactive lecture sessions, written tests, group discussions, self-directed learning, and team-based learning.

PEN 203 Health Sciences Communication in English**Credits: (3+0=3)****Course Prerequisite: English (PEN 103)**

Course Summary: The Health Sciences Communication in English course is a three-credit course offered in the second semester of the B. Pharm program. The primary goal of this course is to provide students with the essential skills and competencies needed for professionals in health care. The course aims to train students to be able to communicate with clarity, sensitivity, and effectiveness in their interaction with patients and their families. The course focuses on Empathy and Active Listening Skills while interacting with patients, their families, as well as their colleagues to achieve desired outcomes. It also focuses on Public Speaking skills including conference presentations. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, team-based learning, and simulated situations.

PIT 102 Information Technology for Pharmacy**Credits: (2+0=2)****Course Prerequisite: None**

Course Summary: Information Technology for Pharmacy is a two-credit course offered in the first semester of the B.Pharm program. The main goal of the course is to train competent users of Information Technology in Pharmacy in an ever-changing world. The course focusses on identifying the components of the system namely, the working of computer storage, processes, and displays data, use of input/output devices, effective use of networks, Internet, and other communication tools as well as the ethical use of computers in healthcare and society. It also directs them to apply their knowledge to solve problems related to health sciences through the effective utilization of information technology. Learning is facilitated through interactive lecture sessions, written tests, group discussions, self-directed learning, and team-based learning.

PAR 103 Health Sciences Communication in Arabic**Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: Health Sciences Communication in Arabic is a three-credit course offered in the first semester of the B.Pharm program. The foremost goal of this course is to equip the students of Pharmacy with the basic skills of communicating in the Arabic language with patients and healthcare staff. The course also focuses on reading and listening for understanding to prepare them for real-life situations. The course gives priority to pronunciation and correct articulation while speaking in Arabic. Learning is facilitated through interactive lecture sessions, written tests, group discussions, self-directed learning, and team-based learning.

PES - 101 Emirates Society**Credits: (2+0=2)****Course Prerequisite: None**

Course Summary: The Emirates society course is a two credits course offered in the first semester of BPharm program, the course seeks to consolidate national belonging and identity and appreciate the national achievements of the United Arab Emirates. The course focuses on introducing students in pharmacy to the main social features of the Emirati community and its core values and heritage, as well as the history and geography of the country. It discusses the internal and foreign policy, pharmacy in UAE social development, and services provided by the State, including the empowerment of women and their role in society. The course also aims to shed light on UAE's role in building an Emirati knowledgeable society, encouraging multiculturalism, and developing solid economic and technological infrastructure, as well as positioning UAE at a globally competitive level. The course also includes the future visions and challenges towards developing strategic plans as it will discuss Federal Government Vision and Abu Dhabi's Vision 2030 and the different issues related to future development plans and the expected challenges.

PIC 203 Islamic Culture & Medicine**Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: : Islamic Culture and Medicine is a three-credit course offered in the second semester of the B.Pharm program. The main goal of this course is to discuss the current medical and scientific issues from the Islamic perspective. It focuses on developing an understanding and appreciation of Islamic contribution to medicine in particular and science in general. The course aims at engaging students' awareness of Islamic codes related to health and medicine. Learning is facilitated through interactive lecture sessions, written tests, group discussions, and self-directed learning.

PBR 403 Biostatistics & Research Methodology**Credits: (2+0=2)****Course Prerequisite: None**

Course Summary: Biostatistics and Research Methodology is a two-credit course offered in the fourth semester of the B.Pharm program. The goal of this course is to provide an understanding of the theory and applications of biostatistics and research in matters related to professional practice. The students are taught various aspects of data handling and analysis. The course enables students to develop abilities to apply statistical methods and critically interpret issues encountered in practice. The course is also designed to assist the students to acquire an understanding of the principles of research methodology for identifying research problems and planning and implementing a research plan. It will further enable the students to critique research studies and recognize the value of utilizing research findings to improve the quality of pharmaceutical and health science practices, education, and management. Basic aspects of pharmacy practice research are taught covering ethical issues involved in carrying out research in Pharmacy. The course also deals with the aspects of communicating the research results for publication. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and team-based learning.

12.3.4 General Education Courses offered for Nursing (BSN & RN-BSN) Programs

Course Name	Course Code	Credit Hours
English	ENG 101	3
Health Sciences Communication in English	ENG 201	2
Health Sciences Communication in Arabic	ARB 101	2
Islamic Culture and Medicine	ICM 101	3
Emirates Society	ES 101	2
Health Informatics and Technology	HIT 101	2

Course Description**ENG 101 English****Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: : This course covers the basic skills of the English language that are required at the undergraduate level of studies in Medical & Health Sciences. It focuses on reading, writing, listening, and speaking effectively in English. A comprehensive review of essential syntax and semantics required for medical and health sciences education is provided.

ENG 201 Health Sciences Communication in English**Credits: (2+0=2)****Course Prerequisite: ENG 101**

Course Summary: The course is need-based for professionals in health care. It focuses on the soft skills in the English language required by medical professionals to interact with patients and their families. At every level, it emphasizes empathy and active listening skills while interacting with patients, their families as well as their colleagues. Students are exposed to techniques of communicating in different contexts encountered by medical and health sciences professionals as well as a whole range of Public speaking skills including conference presentations.

ARB 101 Health Sciences Communication in Arabic**Credits: (2+0=2)****Course Prerequisite: None**

Course Summary: This course aims at teaching communication skills in the Arabic language. The course focuses on the skills of Reading, Writing, Speaking, and Listening. The broad goal of this course is to enable the students to have a better understanding of the Arabic language to communicate with patients and hospital staff in their profession.

ICM 101 Islamic Culture and Medicine**Credits: (3+0=3)****Course Prerequisite: None**

Course Summary: This course is designed to develop a better understanding of Islamic belief and its application in life besides focusing on current modern medical and science issues in Islam. The broad goal of this course is to enable the students to have a better understanding of Islamic medical issues and appreciation of Islam as a way of life, its impact in the field of medicine, and the contribution of Islam to medicine in general, and to sciences in particular.

ES 101 Emirates Society**Credits: (2+0=2)****Course Prerequisite: None**

Course Summary: The Emirates Society course seeks to consolidate national belonging and identity and appreciate the national achievements of the United Arab Emirates. The course focuses on introducing students in nursing to the main social features of the Emirati community and its core values and heritage, as well as the history and geography of the country. It discusses the internal and foreign policy, nursing in UAE social development, and services provided by the State, including the empowerment of women and their role in society. The course also aims to shed light on UAE's role in building an Emirati knowledgeable society, encouraging multiculturalism, and developing solid economic and technological infrastructure, as well as positioning UAE at a globally competitive level. The course also includes the future visions and challenges towards developing strategic plans as it will discuss Federal Government Vision and Abu Dhabi's Vision 2030 and the different issues related to future development plans and the expected challenges.

13. RAK College of Medical Sciences

Dean's Message

Since its inception in 2006, the RAK College of Medical Sciences (RAKCOMS) has bloomed to become a leading medical

institution in the United Arab Emirates, imparting undergraduate Medical program. After successful evaluations annually from 2006, the Commission for Academic Accreditation (CAA), Ministry of Education - UAE, has fully accredited our medical program. The Institution is also listed in the Avicenna Directory (formerly WHO



Directory) and the International Medical Education Directory (IMED). The first batch has graduated in July 2011. The institution has got adequate infrastructure and state-of-the art facilities including lecture theatres, laboratories, library and a wonderful ambience for studying Medicine.

Healthcare is a rapidly advancing field with technological innovations as well as challenges posed by emerging new diseases, manmade disasters, ethical issues and consumerism. RAKCOMS is committed to the foundational value of educating and grooming the future physicians for this challenging 21st century scenario. To be a successful physician of the future, the medical student will need the competence to play multiple roles as an ethical physician, a professional team leader, a humanistic citizen and a self-directed lifelong learner. Our MD curriculum is outcome based and designed to fulfill these requirements in the training program. Well qualified and trained core and adjunct clinical faculty from diverse nationalities are involved in the training process. The courses are well defined with clear learning outcomes and suited to develop the knowledge, skills and attitude of the students. Ample time is given for students to undertake self-directed learning. 'Clinical Decision Making' is a unique credit based course implemented for the first time in our university in the UAE and this course is spread out throughout the MD program which enables the future physicians to be well versed in 'Evidence Based Medicine'. Team based learning, integrated modular basic sciences learning and students' symposia are some of the learning techniques followed and clinical clerkship training is given in the federal hospitals. Students are given adequate guidance and exposure in research methods, encouraged to do research projects and publish the same. The college has academic tie-up with Hashemite University, Jordan, CyberJaya University, Malaysia, International American University College of Medicine, West Indies, Charles University, Czech Republic, Datta Meghe Institute of Medical Sciences, (Deemed University), India, Dr. MGR Educational and Research Institute, (Deemed University), India, AOC International and Academy for Advanced Studies & Training International, UK, St. Johns Medical College,

Bengaluru, India, Azerbaijan Medical University, Azerbaijan Republic and Lithuanian University of health Sciences, Lithuania for exchange programs in the areas of clinical training of students, internship, continuing medical education sessions (CME) and research. This gives opportunities for our students to get global exposure in medical education.

Apart from educational facilities the institution also provides excellent opportunities for the students to bring out their talents in extracurricular activities. Fine arts, sports, and social service are encouraged and practiced.

I am sure that the RAK College of Medical Sciences will be the destination for young minds who wish to be successful Physicians of the future.

Dr. Laxminarayana Kurady Bairy

Dean, RAK College of Medical Sciences

Vision

The RAKCOMS aspires to be the premier 21st Century College of Medicine in UAE and the GCC. RAKCOMS strives to be a national leader in education, research, and patient care, recognized for supporting and empowering its learners and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education, health care, innovation, biomedical and clinical research.

Mission

RAKCOMS educates and inspires individuals to be exemplary physicians and leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of one and all. Our patient-centered mission is achieved by outstanding health care and services, research and innovation, and leading edge medical and biomedical education in an environment enriched by diversity and partnership. Through its offering of MD program, it prepares graduates who are able to develop critical skills in their practice and application of knowledge as well as professionalism and enabling them to adhere to the highest ethical standards.

Our Values

- Excellence - to achieve the highest standards in medical education by a continuous ongoing process
- Integrity and honesty - to be honest, ethical, and consistent in actions
- Knowledge-centricity - to discover, create, value, evaluate, and share knowledge
- Patient-centricity - to focus on the health and wellness of patients
- Reverence and compassion - to treat each person with respect and dignity with utmost care and with full of kindness and empathy
- Dedication and service - to maintain commitment to the mission and to understand and respond to the needs of individuals and the community
- Creativity - to be curious, open, and innovative
- Collaboration - to work together regardless of organizational boundaries
- Communication - to listen more and be open and transparent with students, patients, and colleagues
- Diversity - to be inclusive and value differences

13.1 Doctor of Medicine (MD) Program

Doctor of Medicine (MD) program comprises of 6 years of pre-medical and 4 years of preclinical (integrated modular applied basic sciences) and clinical clerkship courses. Which is exclusive of the Internship year. After graduation of MD Program [6 years], students will be eligible to pursue 12 months of rotational internship training in UAE or outside.

The Goal

The curriculum has been developed to provide learning opportunities enabling medical students to acquire fundamental knowledge, develop basic skills and appreciate principles relevant to health care in the context of the community. The six-year curriculum has been designed to achieve the following goals:

1. To ensure that RAKCOMS excels in recognized Medical Education locally, nationally and internationally
2. To promote diversity, Integrity and honesty and be ethical, open and consistent in actions
3. To ensure that medical graduates are equipped with knowledge and skills to provide outstanding, innovative, and patient-centered care thereby playing a major role in transforming Health status of the society.
4. To contribute significantly in the advancement of medical sciences with respect to knowledge and practice and excel in research and discovery in: Biomedical Sciences, Medical Education, Health Care, and Population Sciences.
5. To provide ethical, innovative, community-centered services while transforming health care delivery in the community.
6. By developing links and collaborating with international partners to promote academics, innovative programmes, interprofessional education and research.

Program Outcomes

A. Knowledge

Upon completion of the program, the graduate will be able to:

1. Demonstrate knowledge of evolving biomedical, clinical, epidemiological and social-behavioral sciences.
2. Apply the knowledge of basic science in clinical context with respect to patient care, through prevention, diagnosis, and treatment of disease.
3. Evaluate the non-biological determinants of health and the impact of economic, psychological, social, and cultural factors in clinical decision making.
4. Recognize health right of all citizens and demonstrate knowledge of the global healthcare delivery in the community and strive to fulfill his/her social obligations towards realization of this goal.
5. Develop foundation for lifelong learning and continuing professional development including research methodology, ethics and innovation appropriate for proficiency in Medicine and promote healthy living.

b.Skills

Upon completion of the program, the graduate will be able to:

1. Obtain a complete holistic medical history and demonstrate ability to perform a physical examination that is complete and relevant to disease identification, disease prevention and health promotion.
2. Demonstrate effective clinical problem solving, judgment and ability to interpret and integrate laboratory data and imaging studies in order to arrive at a clinical diagnosis.
3. Perform clinical procedures effectively at a level appropriate for a medical graduate while respecting patients' needs, and concerns.
4. Construct and implement appropriate diagnostic and therapeutic management strategies and appropriately identify and refer patients who may require specialized or advanced tertiary care

C. Aspects of Competence**Autonomy and Responsibility**

Upon completion of the program, the graduate will be able to:

1. Demonstrate the attributes of responsibility, sincerity, honesty, integrity and adaptability and ensure that patients receive the highest level of professional care.
2. Implement current best practice methods independently, by collaborating among health care disciplines and among community to achieve optimal care for patients, promote healthy habits for wellness and prevention of disorders.

Role in Context

Upon completion of the program, the graduate will be able to:

1. Demonstrate compassion, professionalism and high ethical standards in all aspects of medical practice.
2. Undertake various team roles, recognize the role of doctors as health managers and function effectively as a responsible mentor, leader, team member in healthcare settings.

Self-Development

Upon completion of the program, the graduate will be able to:

1. Self-evaluate and undertake continuous professional development with emphasis on recent advancements, inter-professional care, ethics and innovations in medical sciences and apply new knowledge and skills in the patient care.

13.2 The Curriculum

RAKCOMS Study Plan 2023-24				
Entry Phases		Course	Credits	Degree awarded
		Year 6 (Semester XI and XII)	40	MD (Doctor of Medicine)
		Year 5 (Semester IX and X)	40	
		Year 4 (Semester VII and VIII)	36	
		Year 3 (Semester V and VI)	36	
Phase II - Graduate Entry [To relevant Bachelor degree]		Year 2 (Semester III and IV)	38	
Phase I - Undergraduate Entry [General Education Secondary School Certificate (G 12)]		Year 1 (Semester I and II)	36	

13.2.1 Pre-Medical Sciences (I & II Year - Semester I to IV)

This educational track that undergraduates pursue, involves activities that prepare a student for preclinical and clinical sciences in the medical school such as pre-medical science coursework, volunteer activities, clinical skills, research and the application process. It has a total of 74 credits and includes English, Health Sciences Communication in Arabic, Emirates Society, Cell Biology, Human Biology-I, II, Research Methodology-I,II, Health Sciences Communication in English, Islamic Culture in Medicine, Health and Nutrition, infection control, Information Technology and Innovation, Clinical Skills-I, Medical genetics, Biostatistics, Bioethics and Professionalism, Psychology & Behavioral Sciences, Career and Professional Development and Medical Innovation and Entrepreneurship.

13.2.2 Pre-clinical and Clinical Sciences: (III to VI Year - Semester V to XII) Preclinical and Clinical Sciences

The Doctor of Medicine (MD) degree is offered at the end of 6 years of MD Program with total of 226 credits. The courses offered in preclinical years includes, Musculoskeletal Module, Cardio vascular System Module, Clinical Skills -II, Clinical Decision Making-I, Genitourinary System, Gastro intestinal System Module, Endocrine Module and Respiratory System Module and Neurology & Behavioral Sciences Module., it also covers clinical theory and clinical clerkship rotations in Internal Medicine and allied courses, General Surgery and allied courses, Pediatrics and Neonatology, Obstetrics and Gynecology, Community Medicine, Psychiatry, Orthopedics, ENT , Ophthalmology and electives clerkship.

13.2.3 Goal

Students will learn and acquire an integrated knowledge of organ evolution, structure and functions and the regulatory mechanism of the human body in the management of health and disease.

13.2.4 Module

Integrated teaching is made up of 'Modules'. A Module is the smallest unit of curriculum. Each module is based upon organ-system/s of the body and/or processes. In each module, the basic and clinical sciences will be taught in an integrated manner.

13.2.5 Design

The MD Y3 curriculum is an integration of core basic and clinical sciences' principles into modules [mentioned below], Clinical Decision Making and Clinical Skills-II

- a) Musculoskeletal and Integumentary Module
- b) Cardiovascular System Module.
- c) Respiratory System Module
- d) Gastrointestinal System Module
- e) Genitourinary System Module

The Clinical Clerkship Rotations commences from MD Y4 and is conducted through MD Y5 and MD Y6. In addition to clinical courses, the fourth-year courses consist of the following two modules and Clinical Decision-Making.

- a) Endocrinology Module
- b) Neurology & Behavioral Sciences Module

Each of the 'Module' has been explicitly designed to contain the following:

- Title/theme of the module
- Learning Outcomes [General]
- Teaching Schedule [Weekly, along with Specific Learning Outcomes]
- Credit Hours
- List of Recommended resource materials

13.3 Study Plan for MD 6 years Pre-Medical Sciences

Year 1 (32 Weeks - 36 Credits)

(Semesters I & II)

Semester 1					Semester II				
Code	Title	Credit Hours		Exam (ESE/EYE)	Code	Title	Credit Hours		Exam (ESE/EYE)
		Theory	Practical				Theory	Practical	
ENG 103	English	3	-	ESE	HSC 103	Health Sciences Communication in English	3	-	ESE
ARB 103	Health Sciences Communication in Arabic	3	-	ESE	ICM 103	Islamic Culture in Medicine	3	-	ESE
MES 103	Emirates Society	3	-	ESE	PSY 103	Psychology & Behavioral Sciences	3	-	ESE
MCB 103	Cell Biology	2	1	ESE	MIC 112	Infection Control	1	1	ESE
MHB 1111	Human Biology I	2	3			Continuous Course	3	3	EYE
MRM 112	Research Methodology	1	-			Continuous Course	-	1	EYE
Total credits (18)		14	4		Total credits (18)		13	5	

ESE: End Semester Exam, CA: Continuous Assessment, EYE: End Year Exam

Year 2 (32 Weeks- 38 Credits)

(Semesters III & IV)

Semester III					Semester IV				
Code	Title	Credit Hours		Exam (ESE/EYE)	Code	Title	Credit Hours		Exam (ESE/EYE)
		Theory	Practical				Theory	Practical	
MHB 2212	Human Biology -2	3	3	Continuous Course			2	4	EYE
ITI 203	Information Technology and Innovation	2	1	ESE	MBP 203	Bioethics and Professionalism	2	1	ESE
MCS 212	Clinical Skills-I	-	1	Continuous Course			-	1	CA
MRM 223	Research Methodology -2	-	2	Continuous Course			-	1	CA
MMG 103	Medical Genetics	2	1	ESE	MHN 203	Health and Nutrition	2	1	ESE
MBS 203	Biostatistics	2	1	ESE	MCP 202	Career and Professional Development	1	1	CA
MCD 211	Clinical Decision Making-I	1	-	CA	MIE 203	Medical Innovation & Entrepreneurship	1	2	ESE
Total Credits (18)		10	9		Total Credits (19)		8	11	

Pre-Clinical and Clinical Sciences

Year 3 (32 Weeks- 36 Credits)

(Semesters V & VI)

Semester V					Semester VI				
Code	Title	Credit Hours		Exam (ESE/EYE)	Code	Title	Credit Hours		Exam (ESE/EYE)
		The	Practical				Theory	Practical	
MSK 308	Musculoskeletal and Integumentary Module	3	5	EYE	MRS 305	Respiratory System Module	2	3	EYE
MCV 308	Cardio vascular System Module	3	5	EYE	MGI 306	Gastro Intestinal System	3	3	EYE
MCS 3 22	Clinical Skills -II	-	2	CA	MGU 307	Genitourinary System	3	4	EYE
Total Credits (18)		6	12		Total Credits (18)		8	10	

Year 4 (33 Weeks- 36 Credits) (Semesters VII & VIII)

Course Code	Course Title		Credits		Final Examination
			Theory	Practical/Clinical	
MED 404	Endocrine Module	Semesters VII	2	2	EYE
MNB 407	Neurology & Behavioral Sciences Module	Semester VII & VIII	3	4	EYE
MCM 411	Community Medicine - I	Continuous course	1	-	EYE
MIM 418	Internal Medicine including Dermatology & Radiology - I	Continuous course	4	4	EYE
MGS 415	General Surgery -I	Continuous course	3	2	EYE
MOR 404	Orthopedics	Continuous course	2	2	EYE
MEN 403	Oto -Rhino - Laryngology (ENT)	Continuous course	1	2	EYE
MOP 403	Ophthalmology	Continuous course	1	2	EYE
MCD 411	Clinical Decision Making -II	Continuous course	1	0	CA
Total Credits (36)			17	19	

Year 5 (33 weeks- 40 credits) (Semesters IX & X)

Course Code	Course Title		Credits		Final Examination
			Theory	Clinical	
MIM 527	Internal Medicine -II	Continuous course	3	4	EYE
MGS 527	General Surgery - II	Continuous course	3	4	EYE
MOG 517	Obstetrics and Gynecology-I	Continuous course	3	4	EYE
MPE 517	Pediatrics & Neonatology - I	Continuous course	3	4	EYE
MCM 526	Community Medicine -II	Continuous course	2	4	EYE
MPS 505	Psychiatry	Continuous course	1	4	EYE
MIC 521	Antibiotic Stewardship	Continuous course	1	-	CA
Total Credits= 40			16	24	

Year 6 (33 weeks- 40 credits) (Semesters IX & X)

Course Code	Course Title		Credits		Final Examination
			Theory	Clinical	
MIM 6311	Internal Medicine including Emergency Medicine-III	Continuous Course	3	8	EYE
MGS 6312	General Surgery including Anesthesia -III	Continuous Course	4	8	EYE
MOG 627	Obstetrics & Gynecology- II	Continuous Course	3	4	EYE
MPE 627	Pediatrics and Neonatology-II	Continuous Course	3	4	EYE
MCD 621	Clinical Decision Making-III	Continuous Course	1	-	CA
	Electives	Continuous course	-	2	-
Total credits (40)			14	26	

Equivalent No. of contact hours for 1 credit:15 - hours theory , 30 hours TBL / Practicals / active learning sessions.

Note: Clinical Skills (MCS 212 & MCS 322), Research Methodology 2 (MRM223), Career and professional development (MCP202, and Clinical Decision Making (MCD211, MCD 411 & MCD521) courses will be assessed only in CA (continuous assessment) and will not be included for the calculation of GPA/CGPA

Summary : Total Credits of the MD program - 226 Credits

MD Year 1 - 36, MD Year 2- 38, MD Year 3-36, MD Year 4- 36, MD Year 5-40, MD Year 6- 40 Total

13.3.1 Clinical Curriculum

The clinical component of the six year MD program is imparting to each medical student graduate with the fundamental patient centered knowledge and skills important in health and disease as the basis of safe and effective patient care. Gap between the basic sciences and clinical medicine is bridged by providing the students with the knowledge and skills needed to evaluate patients while at the same time, emphasizing the importance and integration of basic sciences, behavioral medicine, ethics, and professionalism. The clinical phase of three years integrated curriculum prepares the medical student for effective delivery of health care to individual and society in practice of medicine. The focus of this clinical phase through systems is on abnormal structure and function. Students rotate through a series of clinical clerkships which provide opportunities for the study of patients presenting with abnormal structure and function of the body systems. Clinical teaching complements actual clinical experience in patients. The epidemiology, etiology, and natural history of disease processes are investigated in greater depth than in preclinical phase. The principles of therapeutics are included in a consideration of the medical management of specific disease processes. The ethical implications of medical intervention are considered and the psychological and social consequences both of disease and medical intervention are reviewed.

The six general clinical competencies for medical school students include:

The University encourages scholarly activities among its faculty and students. These include research and participation in conferences and other scientific meetings. However all such activities should be performed following the regulations of the University.

- Medical knowledge & clinical skills
- Evidence-based learning
- Patient care
- Effective communication skills
- Professionalism
- Self-directed lifelong learning

As a student progresses through the clinical curriculum of the medical school, his/her competencies and attainment of these educational outcomes are periodically reviewed as they provide valuable guide to the organization of the knowledge, skills and attitudes learnt during this phase of their professional growth.

To ensure equivalent learning experiences for all medical students, a standardized curriculum is employed. This includes:

- 1) A common list of learning outcomes, to be met with course wise and system wise (where ever applicable), didactic lectures and clinical clerkship program
- 2) Recommended / reference text books.
- 3) A series of team based learning and seminars leading to self-directed learning

After successful completion of the six year MD program, the undergraduate student is required to complete one year rotational internship in any Federal Hospital **[under the purview of Emirates Health Services]**, or any government hospital to practice medicine in UAE.

13.3.2 Clinical Clerkship

The clinical phase of the curriculum includes fourteen required clerkships (Community medicine, Ophthalmology, Oto-rhino-laryngology, Internal Medicine, General Surgery, Pediatrics, Psychiatry, Obstetrics & Gynecology, Orthopedics, Dermatology, Radio-diagnosis, Anesthesia & critical care, Emergency Medicine and Electives).

During this period the students are exposed to all the major specialties of medicine and many sub specialties in hospital setting. As they rotate through various departments, they work to develop relationships with faculty and other physicians, seek out mentors who can help out guide their future career choices. They will be evaluated by clerkship assessments including evaluations from their attending physicians and residents and by other appropriate methods. All these evaluation will become part of their continuous assessment.

13.3.3 Clinical Rotations, Weeks per year

Year IV

Course #	Course Title	Credits	Duration [Weeks]
MEN 403	Oto-rhino-laryngology (ENT)	2	5
MOP 403	Ophthalmology	2	5
MIM 418	Internal Medicine	2	5
	Dermatology & Radiology	2	2.5 +2.5
MGS 415	General Surgery	2	5
MOR 404	Orthopedics	2	5
Total		12	30

Year V

Course #	Course Title	Credits	Duration [Weeks]
MIM 527	Internal Medicine	4	5
MGS 527	General Surgery	4	2 + 2 + 1
MOG 517	Obstetrics and Gynecology	4	5
MPE 517	Pediatrics and Neonatology	4	5
MCM 526	Community Medicine	4	5
MPS 505	Psychiatry	4	5
Total		24	30

Year VI

Course #	Course Title	Credits	Duration [Weeks]
MIM 6311	Internal Medicine including Emergency Medicine	8	5 + 5
MGS 6312	General Surgery including Anesthesia	8	5 + 5
MOG 627	Obstetrics & Gynecology	4	5
MPE 627	Pediatrics and Neonatology	4	5
	Electives	2	2
Total		26	32

13.3.4 Hospital Facilities for Clinical Teaching in UAE**Ras Al Khaimah, UAE**

RAKMHSU uses the facilities of Saqr Hospital, Ibrahim Bin Hamad Obaidullah Hospital and Abdullah Bin Omran Hospital for teaching and clinical training of the students in addition to the various Primary Health Centers in Ras Al Khaimah under the ambit of RAK Medical Zone.

Fujairah, UAE

RAKMHSU also uses the facilities of Emirates Health Services (EHS) / Ministry of Health and Prevention (MOHAP) Hospitals and Primary Health Centers in the Emirate of Fujairah for teaching and clinical training of the students.

SAQR HOSPITAL has all the surgical specialties like General Surgery, Urology, Neurosurgery, Orthopedic Surgery, Oto-rhino-laryngology, Ophthalmology, Emergency Medicine and Pediatrics available in this hospital.

IBRAHIM BIN HAMAD OBAIDULLAH HOSPITAL has all the medical specialties viz., Internal Medicine, Neurology, Respiratory Medicine, Cardiology, Dermatology, Emergency Medicine and Psychiatry available in this hospital.

ABDULLAH BIN OMRAN HOSPITAL, Ras Al Khaimah has Obstetrics & Gynecology, Neonatology and Anesthesiology specialties and is available for MD students' teaching and clinical training beginning September 2018.

FUJAIRAH HOSPITAL has all the SURGICAL specialties like General Surgery, Urology, Neurosurgery, Orthopedic Surgery, Oto-rhino-laryngology, Ophthalmology and Pediatrics and all the MEDICAL specialties viz., Internal Medicine, Neurology, Respiratory Medicine, Cardiology, Dermatology, and Psychiatry available in this hospital.

Sheikh Khalifa General Hospital, Umm Al Quwain [SKGH-UAQ]

Sheikh Khalifa General Hospital, Umm Al Quwain [Ministry of Presidential Affairs, UAE]. SKGH-UAQ is accredited by the Joint Commission International [JCI] with the gold seal to assure patients and their families of best practices in safety and quality care. The hospital's state-of-the-art facilities are complimented by highly skilled Consultants, Specialists and outstanding nursing care, set amongst the most sophisticated equipment on par with the world standards.

Sheikh Khalifa Specialty Hospital, Ras Al Khaimah [SKSH-RAK]

SKSH-RAK is a tertiary hospital highly specialized for specific fields of medicine with centers of excellence. SKSH-RAK has a 246 bed capacity for the care of inpatients, and a number of outpatient clinics open during the week. SKSH-RAK opened seven general wards: three male wards, three female wards, one mixed ward, and a VIP ward. Additional wards include three ICU's: Cardiac ICU with 10 beds and Medical ICU with 20 beds.

RAKMHSU already has MoUs with EHS/MOHAP to utilize the federal hospitals for clinical teaching and training of medical students. The number of patient beds available for clinical training has increased from 957 to 1398 after the MoU with Sheikh Khalifa General Hospital, Umm Al Quwain, UAE, and Sheikh Khalifa Specialty Hospital, Ras Al Khaimah (SKSH- RAK).

S.No.	Name of Hospital	Location	No. of Patient Beds
1	Saqr Hospital	Ras Al Khaimah	287
2	Ibrahim Bin Hamad Obaidullah Hospital		265
3	Abdullah Bin Omran Hospital		85
4	Fujairah Hospital	Fujairah	320
5	Sheikh Khalifa Specialty Hospital (Ras Al Khaimah) [SKSH - RAK]		246
6	Sheikh Khalifa General Hospital (Umm Al Quwain) [SKGH- UAQ]	Umm Al Quwain	195
	Total no. of patient beds		1,398

13.3.5 Electives

The electives provide the students with an opportunity to explore subjects of particular interest to them in greater depth than the core course allows or to improve upon the areas of weakness by repeating a regular clerkship. This allows them additional time for personal growth as they fine tune their general medical skills and begin to explore the specialized areas that interest them. Students are encouraged to select an elective course of their own choice for a period of not less than two weeks during semester eight and should complete the Electives requirement before beginning MD Y6. The electives taken can be "Home Electives" or "Away from Home Electives". The Home Electives are electives opportunity available in Ras Al Khaimah and Fujairah, and is facilitated by the Office of the Dean. "Away from Home Electives" can be an elective at another medical school or a clinical facility.

The Away from home electives are available from many schools and a variety of clinical facilities. The Office of the Dean and faculty members in the department will guide the students regarding electives.

RAKMHSU has got academic tie-up with Hashemite University of Jordan, Cyber Jaya University of Malaysia, Charles University of Czech Republic, International American University College of Medicine, West Indies, Datta Meghe Institute of Medical Sciences (Deemed University) India, Dr. MGR Educational & Research Institute, India, Azerbaijan University, Azerbaijan Republic and AOC International and Academy for Advanced studies & Training International UK in the areas of clinical elective clerkship training, internship, continuing medical education and research. Similar tie-ups are being worked up with New York Medical College.

The cost of travelling and accommodation and personal expenses during any overseas training shall be borne by the students.

As with all other clerkships, failure to attend an approved elective will result in an unsatisfactory grade.

13.3.6 Internship (MD)

Internship is a phase of training wherein a graduate is expected to conduct actual practice of medical and health care and acquire skills under supervision, so as to enable him/her to function independently. The intern shall be entrusted with clinical responsibilities under the direct supervision of a senior faculty/ consultant. They shall not be working independently.

After graduation of 6 years of MD Program, one-year internship is mandatory if a student wants to practice Medicine in most of the countries in the world except the USA and Canada.

After passing the MD final year examinations and graduation, students can undergo rotational Internship training for a period of twelve months in the government approved hospitals of a country of their choice. If students desire to pursue rotational Internship training through University, students are required to submit their application online by fulfilling the requirements as per the guidelines as mentioned by the Training and Development Center, Emirates Health Services. The internship application approval, placement, orientation, training, assessment, evaluation and certification is processed by the Training and Development Center, Emirates Health Services.

In addition to the above, graduate students may also apply to Dubai Health Authority and Abu Dhabi Health Services Company.

- Dubai Health Authority (DHA), www.dha.gov.ae
- Abu Dhabi Health Services Company www.seha.ae

In order to receive the **Program Completion Certificate** from the University, students are required to submit the **Internship Completion Certificate** to the office of the Dean.

13.4 Description of Courses

General Education Courses (Please refer section 12.3.1)

General Education courses is offered during the first and second year of the MD curriculum. General education courses cover English (ENG 103), Health Sciences Communication in English (HSE 103), Health Sciences Communication in Arabic (ARB 103), Islamic Culture in Medicine (ICM 103), Information Technology and Innovation (ITI 203), Emirates Society (EMS 103), Psychology & Behavioral Sciences (PSY 103), Medical Innovation and Entrepreneurship (MIE 203)

YEAR I

MHB 1111 Human Biology-1

Credits Hours: Semester 1 (2+3=5)

Credits Hours: Semester 2 (3+3=6)

This course is designed to provide basic knowledge of human anatomy, physiology and biochemistry to the first year premedical students. This course explains the concepts and functions of basic tissues of human body, biomolecules and human physiology. These foundation principles are to support the year 1 premedical students to better understand the human body in health and disease and prepare the students for system-based learning of medicine in subsequent years.

MCB 103 Cell Biology**Credits Hours : (2+1=3)**

This course provides first-year medical students with basic knowledge of the principles of cell biology required for the practice of medicine. These foundation principles of cell biology are to support the study of the human body in health and disease and prepare the students for system-based learning of medicine in subsequent modules. The primary advantage of Cell Biology curriculum is that it focuses on the basic knowledge that a physician will use "to diagnose and treat diseases, with the understanding of the internal organization of the eukaryotic and prokaryotic cell, membrane function, cell-cell signaling. The course will also cover important cellular processes such as cell cycle regulation, and apoptosis and attempt to relate defects in these various cellular processes to human diseases to help gain a better understanding of what happens when cells don't work as they should.

MRM 112 Research Methodology-1**Credits Hours: Semester 1 (1+0=1)****Credits Hours: Semester 2 (0+1=1)**

The research process is the cornerstone for informed and effective decision-making to improve health and the effectiveness of their health systems. The course is emphasizing on the understanding of the main elements of the scientific research process. It will encourage students to understand how to conduct the research in their practice; seek the answers for the questions in the current practice in their field as well as base their professional practice on emerging evidence from research. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning and demonstrations.

MIC 112 Infection Control-1**Credits Hours : (1+1=2)**

This course provides first-year medical students with the basic principles and practice of infection prevention and control (IPC). IPC is a main challenge for health care systems around the world and there is a significant prospect to decrease unnecessary morbidity and mortality through developments in IPC. Health care-associated infections (HAIs) and antimicrobial resistance (AMR) can be significantly reduced through effective IPC. The course will help prepare students as future medical graduates to summarize the most prevalent risk factors for HAIs & recognize appropriate situations where it is necessary to apply these measures. Further, the course will help the students to apply all IPC measures in their daily activities and their households.

YEAR II**MHB 2212 Human Biology-2****Credits Hours: Semester 3 (3+3=6)****Credits Hours: Semester 4 (2+4=6)**

This course provides second-year medical students with basic knowledge of the principles underlying the practice of medicine. These foundation principles are to support the study of the human body in health and disease and prepare the students for system-based learning of medicine in subsequent modules. The basic principles & basic concepts of Medical Microbiology & Immunology, Pathology and Pharmacology related to humans will be covered in this module.

MCS 212 Clinical Skills-1**Credits Hours: Semester 3 (0+1=1)****Course Hours: Semester 4 (0+1=1)**

Learning of clinical skills during preclinical year empowers the students to acquire the skills that facilitates them to communicate and interact well with patients and perform physical examination on them. They get the early exposure with these core and important professional skills in a simulated environment that make them confident and comfortable while dealing with real patients during clinical years.

MRM 223 Research Methodology- part 2**Credits Hours: Semester 3 (0+2=2)****Credits Hours: Semester 4 (0+1=1)**

This course provides premedical students with basic principles of research methodology relevant to the practice of medicine and research. Research methodology deals with application of scientific principles to the design and analysis of experimental studies. This course covers the skills required for writing a research project. Topics covered includes basics of qualitative and quantitative research designs; PICO model, protocol writing, ethics guidelines manuscript writing and bibliography tools.

MMG 103 Medical Genetics**Credits Hours: (2+1=3)**

This course provides second-year medical students with basic knowledge of the principles of medical genetics required for the practice of medicine. These principles of medical genetics are to support the study of the human body in health and disease and prepare the students for system-based learning of medicine in subsequent modules. This course will also teach concepts and experimental methodologies of molecular and medical genetics. This course will cover perspectives in medical genetics, human genome, nucleic acid structure and function, chromosomes, evolution of classical and non-classical patterns of inheritance, molecular genetic pathology, biochemical genetics, epigenetics, pharmacogenomics and laboratory methods for genetic analysis, genetic screening, genetic counselling and molecular genetic research approaches to the study of human genetic disease using humans and model organisms.

MBS 203 Biostatistics**Credits Hours: (2+1=3)**

This course provides second-year medical students with basic principles of biostatistics relevant to the practice of medicine and medical research. Biostatistics deals with application of statistical principles to the design and analysis of biological studies. This course covers the theory, methods, and specific software, used in contemporary biostatistics. Topics covered include basics of data types, descriptive and analytical measures; hypothesis testing; t test; chi square test; analysis of variance (ANOVA), power analysis, linear regression, multivariate statistics. Thrust area includes using the Graph Pad and SPSS for statistical analysis.

MBP 203 Bioethics & Professionalism**Credits Hours: (2+1=3)**

The biomedical ethics & professionalism course introduces students to the ethical dimensions of clinical medicine and the related sciences. It offers them basic language and methodology to critically examine these dimensions. The course format integrates lecture and active case discussion to provide both the necessary philosophical grounding and the real-world skills sought by students. This course will provide an introduction to basic ethical theory and various approaches to clinical ethical decision-making. Students will also be engaged in particular ethical issues in research. This course carries 3 credits, of which 2 are for theory and 1 is for the applied session. The course duration is 16 weeks.

MHN 203 Health and Nutrition**Credits Hours: (2+1=3)**

This course introduces the basic concepts of nutrition and build concepts for subsequent years of study. This course will cover various Biochemical aspects of vitamins and minerals, functions, dietary requirements, and importance to the body. It also highlights importance of basal metabolic rate, dietary fiber, and pharmacological aspects of nutrition with over view of pathological aspects of important diseases. It lays foundation aspects of knowledge of nutrition which is vital for the prevention, management, and treatment of many diseases. The course will be completed in 16 weeks and will be assessed by In-course assessment (ICA) and end semester examinations.

MCP 202 Career and Professional Development**Credits Hours: (1+1=2)**

In a complex and competitive modern world, there is a growing need for the development of soft-skills to enhance one's performance in personal and professional life. In addition, prospective employers require students to have attended career and professional development sessions during the course of their study program. This course will help develop soft-skills of medical students and includes the topics of stress and anxiety management, study skills, overcoming procrastination, and dealing with peer pressure. These soft skills will enhance students' performance in their future career as well as in their personal life. This course will equip medical and health science students with soft skills through presentations, activities, and role-playing, to enhance their performance as students and as professionals in their future careers. The course enhances the self-care of medical and health science students and thus enables them to provide effective medical and healthcare at the workplace.

MCD 211- Clinical Decision Making I**Credits Hours: (1+0=1)**

During the year 2 of the MD program, it is offered as an introductory 1 credit course. It is a part of the General Education studies. The course is basically didactic and is delivered through lectures. The faculty involved are from Departments of Medicine and Surgery of RAKCOMS. The course educational content is delivered through 16 lecture sessions spread over an equal number of weeks. Focusing on Introduction to Clinical decision making (CDM) and Evidence based Medicine (EBM). The fundamental concepts of measurement and description of scientific data. Architecture and analysis various types of research studies. How to critically appraise a scientific evidence and apply in clinical practice. Understanding the basics of medical ethics and its principles.

YEAR III**MSK 308 Musculoskeletal and Integumentary Module****Credits Hours: (3+5=8)**

This module consists of the study of musculoskeletal & Integumentary systems during health and disease conditions. The teaching will be for 8 weeks duration. The methodology adopted for this module apart from didactic lectures will be case based learning, and team based learning. The laboratory exercises include demonstration of prosected/dissected cadaveric specimens from upper limb regions, lower limb regions and neck triangles. The contents of the module include; normal anatomy, physiology and biochemistry & pathological conditions of muscles, bones, joints, and skin and breast tissue. The microbiological conditions associated with the systems are also taught. The module will be covering the study of drugs involved in various abnormal conditions of the musculoskeletal & Integumentary systems. The necessary Imaging studies and forensic medicine topics are also included.

MCV 308 Cardiovascular System Module**Credits Hours: (3+5=8)**

The Cardiovascular module commences with an account of the anatomy of heart with regard to its development, gross features, nerve supply, blood supply and surface anatomy. Subsequently normal physiology of cardiac output, venous return, blood pressure and their regulation; the physiological basis for hemodynamics and cardiac cycle; the regulation of the coronary circulation and the role of microcirculation and physiological basis of edema; electrophysiology of the heart, physiological basis for normal and abnormal ECG should be studied in appropriate weeks. Similarly, the biochemical importance of lipids and lipoproteins in relation to atherosclerosis; the pathogenesis, pathological features, clinical manifestations; microbiological aspects of valvular and myocardial disease and complications of common cardiovascular diseases should be studied. The module concludes with an outline on principles of management of common cardiovascular disorders including the classification, mechanism of action, pharmacological effects, relevant pharmacokinetics, important adverse drug reactions, indications and contraindications of drugs used in cardiovascular disorders. This knowledge would be a basis for the diagnosis, prevention and the treatment of hypertension, arrhythmias, ischemic heart disease, valvular heart diseases and deep vein thrombosis.

MCS 322 Clinical Skills**Credits Hours: (0+2=2)**

Learning of clinical skills during preclinical year empowers the students to acquire the skills that facilitates them to communicate and interact well with patients and perform physical examination on them. They get the early exposure with these core and important professional skills in a simulated environment that make them confident and comfortable while dealing with real patients during clinical years.

MRS 305 Respiratory System Module**Credits Hours: (2+3=5)**

The respiratory module covers the various parts and functions of the respiratory tract, common respiratory infections, their diagnosis, pathogenesis, clinical features, complications of common respiratory disorders, and the therapeutic management including their mechanism of action. The module is divided into five weeks starting with the basics of the respiratory tract in the first week and progressing to the pathological and clinical aspects with relevance to the respiratory system. Topics will be covered using various learning methodologies like lectures, team-based learning (TBL), case-based learning (CBL), and practical sessions. This module carries 5 credits, of which 2 are for theory and 3 are for applied sessions. The module will be completed in five weeks.

MGI 306 Gastrointestinal System Module**Credits Hours: (3+3=6)**

This module builds upon an understanding of the structure and function of the gastrointestinal tract, and enables students to integrate basic science and clinical concepts related to this system, with emphasis on the pathophysiology, pathology, diagnosis and treatment of the most common gastrointestinal diseases. Appropriate examples of medical imaging and diagnostic techniques are also introduced. In addition, this module revisits the basic aspects of nutrition and discusses the pathophysiology of nutritional inadequacies or excesses, their clinical manifestations, prevention and treatment.

MGU 307 Genitourinary System Module**Credits Hours: (3+4=7)**

The genitourinary module provides a comprehensive knowledge of the structure, functions and biochemical aspects of the excretory, male and female reproductive systems to the third-year medical students. It will also discuss the most common categories of disease processes (congenital, inflammatory, neoplastic, vascular, metabolic and immune-mediated) involving the genitourinary system and their management. The course will be delivered through didactic lectures, case based learning, seminars, team based learning and practical's in labs.

YEAR IV**Preclinical and Clinical Sciences****MED 404 Endocrine Module****Credits Hours: (2+2=4)**

The Endocrine module aims to provide the student with an introduction to the role of the endocrine system in regulating the activities of the major organ systems and endocrine disorders. It includes basic concepts in endocrinology and metabolism, general physiological concepts including the structure and mechanism of action of hormones, feedback control of endocrine function, pathogenesis and pharmacology of the drugs used in common endocrine disorders. This module will enable the students to understand the clinical problems associated with endocrine diseases and also the basis for management. The module utilizes many teaching and learning techniques including Lectures, Case-Based Learning (CBL), Team-Based Learning (TBL) and practical sessions. Appropriate clinical skills are incorporated to coincide with the module for better understanding and application. The module will be completed in four weeks and the end module examination (EME) in the 5th week.

MNB-407 Neurology & Behavioral Science Module**Credits Hours: (3+4=7)**

This module builds upon an understanding of the structure and function of the Central nervous system, and enables students to integrate basic science and clinical concepts related to this system. Each of the basic science topics is incorporated into an integrated body of knowledge covering neuroanatomy, neurophysiology, neurological correlation, neuropharmacology, neuropathology, microbiology, human behavior, biochemistry and the medico-legal aspects with emphasis on the pathophysiology, diagnosis and treatment of the most common CNS disorders. Appropriate examples of medical imaging and diagnostic techniques are also introduced. In addition, this module covers the pathophysiology of the special senses of vision, audition, olfaction and gustation.

MCM 411 Community Medicine I**Credits Hours: (1+0=1)**

The course will prepare the students to function as a community and first level primary care physicians with an insight into the health of the people, the health problems of the people with an emphasis is on health promotion and disease prevention. Due emphasis will be made on fundamentals of epidemiology, epidemiological methods, to understand disease causation and the strategies for prevention and control.

MEN 403 Oto-rhino-laryngology (ENT)**Credits Hours: (1+2=3)**

Otorhinolaryngology is a surgical subspecialty within medicine that deals with conditions of the ear, nose, and throat (ENT) and related structures of the head and neck. Patients seek treatment from an otorhinolaryngologist for diseases of the ear, nose, throat, base of the skull, and for the surgical management of cancers and benign tumors of the head and neck.

The goal in the core otorhinolaryngology curriculum is to provide a solid foundation in otorhinolaryngology to each medical student. The knowledge gained during this course will allow the students to acquire the adequate knowledge and skills for optimally dealing with common disorders and emergencies and principles of rehabilitation of the different diseases of ear, nose and throat in general practice.

MOP 403 Ophthalmology**Credits Hours: (1+2=3)**

Ophthalmology is a branch of medicine dealing with the diagnosis, treatment and prevention of diseases of the eye and visual system. The eye, its surrounding structures and the visual system can be affected by a number of clinical conditions. Ophthalmology involves diagnosis and therapy of such conditions, along with microsurgery. Study of ophthalmology will help students to acquire knowledge, skills and competencies required as primary care physician in patients' care suffering from ophthalmic disorders. The knowledge gained during this course will enable the students to take an appropriate ophthalmic history, and perform an accurate primary care ophthalmic examination with an ability to diagnose and appropriately manage acute and common ophthalmic conditions, as well as to properly manage other ocular diseases. The students will be able to develop a sense of the importance of visual impairment and disability. They will also be able to assist the implementation of national programs for the prevention of blindness and rehabilitation of the visually impaired.

MIM 418 Internal Medicine including Dermatology & Radiology I**Credits Hours: (4+4=8)**

The Internal Medicine course deals with introduction to clinical presentations of various medical disorders. In this clerkship year, basic facts about common disorders in various systems of cardiology, infections, neurology, gastroenterology & endocrine systems are covered including diagnosis of common clinical disorders and their effective management including drug therapeutics. The basics of radiological principles, modes of imaging and their clinical applications, interpretation of various common imaging tools such as x-rays, ultrasound, CT and MRI scans related to common clinical disorders as well as basics in dermatological pathology, pharmacology, common skin disorders such as infections, various dermatitis, auto immune skin diseases, and common skin malignancies such as squamous cell carcinoma and melanoma, are also covered. Nutritional disorders of skin and evaluation management of all common skin diseases are given special emphasis.

MGS 415 General Surgery I**Credits Hours: (3+2=5)**

General surgery, as a specialty, deals with a wide spectrum of diseases affecting the human body which requires an intervention in majority of cases. This undergraduate course per se deals with the knowledge of human body, pathophysiology of diseases, diagnosing surgical diseases and the basic surgical skills required to practice as a primary care physician in the community. Being a major undergraduate course, it has been divided and spread over 3 Years (MD Year 4, 5 & 6) of the total 6-year MD program. Year 4 focuses on Basics in Surgery and GI system while Year 5 & 6 introduces Surgical Sub-specialties. Anesthesia & ICU is also included in Year 6 training. The specific learning outcomes are separate for each year. The year 4 course introduces students to the basic surgical concepts of wound healing, wound infections, shock & hemorrhage, I.V. fluids and peri-operative care of surgical patients. This forms the foundation of surgical teaching. These concepts are further reinforced when various gastrointestinal disorders, breast diseases and common skin diseases are introduced. The clinical clerkship in the hospitals provides the most vital learning resource in the form of patients for surgical care. During this clerkship, students attend General Surgery department and learn and apply the 4 main domains of clinical training: Communication skills, Physical examination skills, Procedural skills and Interpretation & clinical reasoning skills. The Skills lab is used to train students on manikins before they can assist/perform a skill on real patients (under supervision).

MOR 404 Orthopedics**Credits Hours: (2+2=4)**

Orthopedics is the branch of surgery concerned with conditions involving the musculoskeletal system. Orthopedic surgeons use both surgical and nonsurgical means to treat musculoskeletal trauma, spine diseases, sports injuries, degenerative diseases, infections, tumors, and congenital disorders. Study of orthopedics will help students to acquire knowledge, skills and competencies required as primary care physician in patients' care suffering from orthopedic trauma, bone and joints infection, metabolic bone diseases, joint disorders, tumors, skeletal anomalies and regional orthopedic disorders.

MCD 411 Clinical Decision Making II**Credits Hours: (1+0=1)**

The term "clinical decision making" is generally used to describe a systematic way to study and analyze data and clinical algorithms to decide on a best course of action in practice. The goal of this course is to develop an effective practitioner, making clinical decisions using systematic proactive approaches by integrating experience, awareness, knowledge, information gathering, using appropriate assessment tools and evidence-based practice to help guide in dealing with the uncertainties of healthcare decisions as well as to develop an attitude of shared decision making with patients and to foster and promote research in medical decision making. The content of the course is shared by 5 specialties i.e. Internal Medicine, General Surgery, orthopedics, ophthalmology and otorhinolaryngology.

YEAR V**MIM 527 Internal Medicine II****Credits Hours: (3+4=7)**

In this clerkship year, etiology, signs, symptoms, clinical features and management of cardio-vascular diseases, Renal hematological and respiratory disorders are the main focus. Here the students will learn and apply the 4 main domains of clinical training: Communication skills, Physical examination skills, Procedural skills and Interpretation & clinical reasoning skills.

MGS 527 General Surgery II**Credits Hours: (3+4=7)**

The year 5 course exposes the students to the subspecialties of surgery; Urology and Neurosurgery. Emphasis is on the basic principles involved in the management of common Urological and Neurosurgical disorders. General surgical topics like hernias and hepato-pancreatico-biliary surgery is also part of the course. During year 5 clerkship, students attend Urology, Neurosurgery & General Surgery department and learn and apply the 4 main domains of clinical training: Communication skills, Physical examination skills, Procedural skills and Interpretation & clinical reasoning skills. The Skills lab is used to train students on manikins before they can assist/perform a skill on real patients (under supervision).

MOG 517 Obstetrics and Gynecology I**Credits Hours: (3+4=7)**

The goal of this course is to expand students' basic science knowledge to provide an introduction to those aspects of obstetrics and gynecology and women's health care that are essential to all physicians. It will enable them to provide primary health care to all female patients in a pregnant and non-pregnant state as well as help them to make appropriate and timely referrals.

It includes reproductive organs, physiology of reproduction, physiology of pregnancy and antenatal care, miscarriage and ectopic pregnancy, physiology of labor, Rh negative mother, post-dated pregnancy, preterm labor, medical disorders complicating pregnancy (Diabetes, hypertension, heart disease, thyroid disease), Puberty, normal and abnormal sexual development, endometriosis, sexually transmitted diseases and contraception. The training in Obstetrics and gynecology will be divided between clinical exposure of five weeks of clinical clerkship and experience (in the outpatient department, operating room, labor room and wards), didactic sessions covering core subjects and skill sessions (to simulate and practice, interpretation and psychomotor skills). It will enable the students to understand the common diseases and health concerns of the female population. Lectures and active learning sessions encompassing these core subjects have been chosen to meet this broad clinical goal.

MPE 517 Pediatrics and Neonatology I**Credits Hours: (3+4=7)**

This course in pediatrics will enable the students to acquire the basic knowledge of normal and abnormal growth and development (physical, physiologic, psychosocial), and its clinical application from birth through adolescence, and to provide basic health care for individuals in the Pediatric age group (neonates, infants, children and adolescents). The students will be able to comprehend the clinico-pathological basis of nutritional disorders as well as vitamin and mineral deficiency states, explain the pathophysiologic basis of fluid therapy, electrolyte balance and acid-base disorders as well as understand the principles of use of vaccines, demonstrate knowledge of common infectious diseases and application of IMCI chart. They shall be able to explain the pathophysiological basis of genetic, immunologic and psychosocial issues in children and demonstrate knowledge of common genetic, immunologic and psychosocial disorders. 107 The clinical clerkship in pediatrics is for five weeks in fifth year of MD course. This will provide students with an appropriate background covering the common and important Pediatric diseases including emergencies and enable the development and application of appropriate professional attitudes, communication and problem solving skills.

MPS 505 Psychiatry & Human Behavior**Credits Hours: (1+4=5)**

Psychiatry is the branch of medicine focused on the diagnosis, treatment and prevention of mental, emotional and behavioral disorders. Mental health affects the individual's ability to function, to be productive, to establish and maintain positive relationships, and to experience a state of well-being. As Socrates said "It is impossible for the part to be well, if the whole is not well".

Study of Psychiatry will help medical students to acquire knowledge, skills and competencies required as primary care physician in identifying common mental health problems independently or as part of other physical illnesses for initial management and appropriate referral. Besides this, all medical practitioners need skills in communication and forming empathy and the ability to counsel that are learnt in psychiatry.

The principle objective of Psychiatry teaching for medical undergraduates is for students to be able to take a comprehensive psychiatric history and mental state examination, acquire a systematic approach for making diagnosis using information from the clinical assessment and justify their preferred and differential diagnoses. It will also help to indicate, in broad terms, how to manage and treat a person with a psychiatric disorder paying attention to the biological, psychological and social aspects of treatment and tailoring their recommendations in the light of the information they have obtained for delivering best practices.

MCM 526 Community Medicine II**Credits Hours: (2+4=6)**

The main goal of the course is to provide students with an insight into the organization, delivery of health care services in the community especially at Primary health care. It will provide students with an insight into the different national health problems such as communicable and non-communicable diseases with a special emphasis on lifestyle related diseases, nutritional problems, their epidemiological features, prevention and control. Due emphasis is given to maternal and child health, occupational health, environment and health.

The goal of the community medicine clinical clerkship is to expose students to an intense clinical experience at the first level of care. This will enable students to care for patients located in rural and urban areas and those who are medically underserved both in outpatient and inpatient settings. Multiple

opportunities are provided to the students for improving their competency and especially the skills of caring and comforting patients from diverse socioeconomic and cultural backgrounds in community, educate them on matters related to health.

MIC 521 Antibiotic stewardship

Credits Hours: (1+0=1)

This course in Infection Control will enable the students to acquire the basic knowledge about infections and their management. It introduces learners to the basic principles of appropriate antibiotic use, demonstrate how to apply these principles to the management of common infections, and outline how to develop and maintain an antimicrobial stewardship program.

YEAR VI

MIM 6311 Internal Medicine including Emergency Medicine III

Credits Hours: (3+8=11)

In the final year of the clerkship, poisoning, occupational health hazards, geriatric problems and their management along with etiology, signs, symptoms, clinical features and management of various autoimmune, nutritional, neurological, endocrine and metabolic disorders and emergencies are covered.

MGS 6312 General Surgery including Anesthesia III

Credits Hours: (4+8=12)

The year 6 course aims to prepare the students for their internship. Basics learnt in the previous years are emphasized, and other subspecialties of surgery like Vascular, Pediatric and Cardiothoracic surgery are introduced. Management of trauma and Emergency general surgical patients is also covered here. Anesthesia and critical care form part of the year 6 course, and basics of various anesthesia techniques, monitoring during and after anesthesia are taught. Management of critically ill patients including ventilator and inotropic supports are touched upon. Students attend 2 clerkships in year 6 (one in General Surgery and another in Anesthesia), wherein the focus is more on peri-operative care of surgical patients.

MOG 627 Obstetrics & Gynecology II

Credits Hours: (3+4=7)

The goal of this course is to expand students' basic knowledge of obstetrics and gynecology and women's health care. It will enable them to provide health care to all female patients in a pregnant and non-pregnant state, recognize complications, provide essential first aid in emergency as well as help them to make appropriate and timely referrals.

It includes mal-presentations and positions, twins, fetal growth abnormalities, infertility, common gynecological disorders, different types of benign and malignant lesions of uterus, cervix, ovary, vulva and vagina, diseases of the urinary system, Hysterectomy and other surgical procedures in the genital tract, menopause, ultrasound in obstetrics and common drugs in obstetrics and gynecology

MPE 627 Pediatrics & Neonatology II

Credits Hours: (3+4=7)

This course in pediatrics will enable the students to acquire the basic knowledge of normal and abnormal growth and development (physical, physiologic, psychosocial), and its clinical application from birth through adolescence, and to provide basic health care for individuals in the Pediatric age group

(neonates, infants, children and adolescents). At the end of the Year VI, the students will be able to demonstrate comprehensive knowledge in management of common pediatric respiratory, cardiovascular, gastrointestinal, genitourinary, hematologic, rheumatologic, endocrinal and central nervous system disorders.

This will provide students with an appropriate background covering the common and important Pediatric emergencies and diseases and enable the development and application of appropriate professional attitudes, communication and problem solving skills.

MCD 621 Clinical Decision Making III**Credits Hours: (1+0=1)**

The term "clinical decision making" is generally used to describe a systematic way to study and analyze data and clinical algorithms to decide on a best course of action in practice. The goal of this course is to develop an effective practitioner, making clinical decisions using systematic proactive approaches by integrating experience, awareness, knowledge, information gathering, using appropriate assessment tools and evidence-based practice to help guide in dealing with the uncertainties of healthcare decisions as well to develop an attitude of shared decision making with patients and to foster and promote research in medical decision making. The content of the course is shared by 4 specialties i.e. Internal Medicine, General Surgery, Pediatrics and Obstetrics and Gynecology.

14. RAK College of Dental Sciences

Dean's Message

RAK College of Dental Sciences (RAKCODS) offers a five year dental training program leading to the degree of Bachelor of Dental Surgery. Initial accreditation for this program was granted in 2007 and final accreditation in 2020 by the Commission for Academic Accreditation (CAA), Ministry of Higher



Education, UAE. The College has implemented Reforming Dentistry Programs of Ministry of Education to improve its BDS program.

The college was established to provide quality education that ensures an enriching future for its dental graduates who fulfil the oral health needs of the community. The curriculum of the BDS program has been designed to meet the oral health needs of the community and has undergone a thorough review by external advisory board and external review team of CAA. The revised curriculum is in line with the recent technology and advances in dental sciences. Basic sciences and general education courses are in first 2 year study plan. Students are exposed to clinical orientation from year two. Preclinical courses are more elaborated in years 2 and 3. Clinical training during the year 3 to year 5 is provided under the supervision of highly qualified staff. Moreover, 4 electives course (Optional) are added in curriculum with flexible timing.

The college has well equipped state-of-the-art building with all modern facilities for the basic sciences, preclinical and clinical training of students in its own labs and dental clinics to facilitate the clinical training of the students. This clinical training has made a valuable contribution in comprehensive patient and community based preventive dental care. Free dental treatment in different dental disciplines is provided to patients of various nationalities. The community outreach program of RAKCODS is commendable as it has managed to provide oral hygiene education and motivation to children and labors. Overall, students are more confident in the services being provided by the college. The college is looking forward to expand its program in the future.

RAKCODS is proud of its alumni. Most of them have cleared the licensing exams of UAE and other countries and have secured good placements with reputed hospitals and medical centers. RAKCODS recently released its first E-News Letter which consists of updates of the dental college and its activities. It is a student oriented information portal which provides insights into the latest developments of dentistry and also interesting literature provided by the students under the supervision of the faculty.

The College fosters an understanding of personal integrity and professional ethics in dental practice so that students are better able to serve the community. The college is on its way to establish a vibrant center for study and research in dental sciences.

The administration of the College endeavors to fulfil the mission of the college in terms of academic excellence and professional development. The progress of the college is being monitored through its Strategic Planning. Each objective has a key metric to measure the performance of the college. Reviewing the academic activities of the college, it is evident that the RAK College of Dental Sciences is making significant progress.

Dr. Muhammed Mustahsen Rahman

Dean, RAK College of Dental Sciences

Vision

To be a leading dental institute in the UAE and the GCC region, dedicated to the pursuit of academic excellence by fostering, disseminating and applying knowledge and intellectual values to ensure an enriching future for the students and making valuable contribution to the community in oral healthcare.

Mission

To prepare graduates who have evidence-based knowledge and skills in the dental profession, enabling them to make a valuable contribution at an individual as well as at community level too. RAKCODS is also committed to contribute to the advancement of knowledge by supporting research conducted by its faculty and students, following ethical practices, in the process of encouraging lifelong learning.

Core Values

RAKCODS conducts all of its activities, contribute to the achievement of its Vision and Mission, and provides education to its students by following the same core value of RAKMHSU including Collegiality, Honesty & Integrity, Equity, Agility, Excellence, Student Centricity, Lifelong Learning and Innovation.

14.1 Bachelor of Dental Surgery (BDS) Program

The Bachelor of Dental Surgery (BDS) is a five-year program. The dental curriculum has been developed to provide learning opportunities to dental students to acquire fundamental knowledge, develop basic skills, and appreciate principles relevant to oral health care in the context of the community. A key feature of the program is the integration between theory and practice through clinical skills. The program falls in with current advances in dentistry and provides an up-to-date teaching structure.

Reforming Dentistry Programs

RAKCODS have implemented key reform measures to improve its BDS program by following the MoE guidelines as per the Reforming Dentistry Programs decree issued on March 11, 2021.

1. Bachelor of Dental Surgery (BDS) at RAKCODS is a 5 year program.
2. All courses in BDS programs are taught in English.
3. More than 80% in BDS curriculum are applied courses
4. BDS program has a total of 201 Credits hours
5. Combined clinical practicum and clinical simulation hours are included in academic credit and is set at 2136 hours with the following detail:
 - Clinical Simulation (Preclinical) Hours = 450 Contact Hours
 - Clinical Practicum Patient-Facing = 1,686 Clinical Hours
 - (1 Hour of 4-Hand Equates to 0.75 Clinical Hours (2,248 x 0.75)
6. Colleges has its External Advisory Board for its strategy and curriculum design
7. External Examiners are involved to evaluate the competency of students and delivery of program at the end of each academic year

8. Competency framework for BDS programs is mapped with the program outcomes and implemented from the academic year 2022.
9. RAKCODS has initiated the accreditation process with the Australian Dental Council.

The Goal

The Dental Curriculum has been designed to achieve the following goals;

1. To ensure that RAKCODS offers academic program in contemporary dental sciences which are recognized locally and regionally for the quality of its educational programs.
2. To promote openness, diversity, just culture and interactive academic learning.
3. To ensure that its graduates are equipped with updated theoretical knowledge and sound clinical skills which make them self-learners and critical thinkers with an ethical orientation.
4. To contribute in the advancement of dental sciences knowledge and practice by support of research conducted through its faculty and students.
5. To render health care services with the highest degree of ethical accountability to self and community.
6. To accentuate the growth of RAKCODS by promoting academic activities in association with other organizations and institutions.

14.2 BDS Program Learning Outcomes

PLOs are designed according to the QF Emirates level 7

A. Knowledge:

On successful completion of the BDS program the graduates will be able to:

1. Recognize and explain the structure, function and pathogenesis of human body related to oral and maxillofacial region.
2. Integrate the nature, structure and properties of biomaterials and demonstrate their application in dentistry.
3. Demonstrate knowledge and understanding of the complex interrelationship between the biomedical sciences, clinical dental behavioral, and social sciences in oral health care
4. Assess new information and data pertaining their validity and applicability to one's professional decisions.

B. Skills:

On successful completion of the BDS program the graduates will be able to:

5. Take accurate, comprehensive and focused medical and dental histories and perform physical examination of head and neck region including the oral cavity.
6. Evaluate the patient's medical and dental problems and interpret the findings from the various diagnostic aids to formulate appropriate diagnosis.
7. Collect and analyze relevant knowledge from various resources in order to make appropriate clinical decisions for patient's oral health care
8. Formulate and implement a plan of care for both the prevention and treatment of diseases and refer the advanced cases to other health specialties
9. Perform common dental techniques and procedures in pre-clinical and clinical setting.

C. Competence:

On successful completion of the BD program the graduates will be able to:

C1. Autonomy and Responsibility:

10. Implement honesty and integrity in the relationship while dealing with patients, community and the dental profession.
11. Manage patients independently and/or work in association with other health professionals by applying the scientific basis of different therapeutic modalities
12. Educate, motivate and convince the patient for prevention, oral health promotion, and wellness.

C2. Role in Context:

13. Diagnose the molecular basis of diseases and critique knowledge related to the management of dental problems in professional development.
14. Practice professionalism with ethical standards and social responsibility in all aspects of dental practice.
15. Communicate effectively with patients, their families, colleagues and other health care professionals, recognizing when patients have difficulties in coping with dental care and help them accept their role in prevention and treatment.

C3. Self-Development:

16. Develop an effective working environment as part of an oral health care team, with appreciation of other health care professionals and agencies contributions.
17. Follow the strategies to support self-directed life-long learning, research and innovation in the field of dental sciences.
18. Adapt the ability to work safely and effectively with oral health care providers in diverse setting by upholding professional attitude.

14.3 The Curriculum

14.3.1 General Education Courses

General Education courses is offered during the first and second year of the BDS curriculum. General education courses cover English (ENG 101), Health Sciences Communication in English (HSE 101), Health Sciences Communication in Arabic (ARB 101), Islamic Culture in Medicine (ICM 101), Information Technology and Innovation (ITI 101), Emirates Society (EMS 101) and Biostatistics and Research Methodology (BRM 101).

14.3.2 Basic Medical and Dental Courses

The courses of the BDS program mainly include basic medical and dental subjects. Program incorporates an interdisciplinary approach, with courses including Anatomy, Physiology, Oral Biology, Pathology, Pharmacology, Microbiology, Biochemistry, General Medicine, General Surgery and Evidence Based Dentistry. During this period, emphasis is placed on small-group teaching and self-directed learning.

The curricula of basic medical sciences in the first and second years have been arranged system-wise. For the basic science courses, the student will simultaneously study head and neck anatomy, physiology, biochemistry associated with systems through problem-oriented learning (POL) approach. This will help the students to achieve horizontal integration of the knowledge of the normal structure and function of the human body in general and oral cavity in particular. Similarly, integration of the second year courses with the first year courses will be achieved by following a system-based structuring of Pathology, Microbiology and Pharmacology relevant to oral health sciences.

14.3.3 Pre-Clinical Courses (Year 2 and Year 3)

These courses focused mainly for training the students in Pre-Clinical Periodontics, Pre-Clinical Operative Dentistry, Community Dentistry, Pre-Clinical Prosthodontics, Pre-Clinical Endodontics, Pre-Clinical Oral Surgery, Infection Control, Oral Pathology, Oral Radiology, Clinical Orientation and Practice Management.

After nomenclature of instruments and related apparatus is presented, attention will be focused on the proper use and operation of the simulation units, phantom head and prosthetic laboratory. The student will then be introduced to basic procedures and the use of related materials and procedures through practical sessions.

Biological and mechanical designs are learned and practiced using the methods of site isolation and instrumentation. Preclinical operative dentistry course presents the techniques and procedures for the preparation and restoration of teeth with special attention to the biological aspects involved in the restoration of teeth with emphasis on the preservation of the vital tooth tissue and the supporting

structures. Preclinical Periodontics course will provide the students an opportunity to learn different position for removal of deposits on the tooth surface by using phantom head.

Preclinical course in Prosthodontics, exposes the student to the basic laboratory procedures of Removable Prosthodontics. The student will be assigned a simulated patient in the form of replicas (casts) of the residual ridges of edentulous areas mounted on a semi-adjustable dental laboratory articulator. The laboratory procedures will employ the fabrication of custom impression trays, occlusion rims, the setting of artificial dentitions, and the festooning of waxed-up trial dentures. Additionally, the student will flask, pack, de-flask, and polish the finished acrylic resin dentures, followed by adjustment of the denture occlusion/articulation.

Through courses in community dentistry, students gain an appreciation of the factors involved in controlling dental disease, together with epidemiology and statistical techniques, and key ethical and medico-legal issues that surround the practice of dentistry.

Clinical Orientation:

The concept of clinical orientation is to acquaint the students with dental operatory. The students will be made aware of team working and patient care by observing their seniors during the clinical work.

Practice management

Practice management course focuses on dentistry as a business, dental team & patient, management, importance of legal and ethical issues, communication skill, financing, purchasing equipment, documentation and regulations of dental practice management.

14.3.4 Clinical Courses

Clinical Courses in Year 3 to Year 5

The years 3, 4 and 5 of the academic program are set to meet specific needs of the students in order to cover topics and develop skills in clinical dentistry. The program involves theoretical and clinical components in main clinical disciplines. Clinical teaching at the student clinics provides opportunities for students to gain extensive and varied clinical experience under the supervision of highly qualified staff. Students will begin interacting with and analyzing the patients' findings in the first clinical year.

As students' progress, the clinical program covers courses such as Clinical Periodontology, Operative Dentistry, Oral Medicine & Oral Diagnosis, Oral Surgery, Clinical Prosthodontics, Orthodontics, Clinical Endodontics, Pediatrics Dentistry, Treatment Planning, Geriatric & Hospital Dentistry, Applied Biostatistics, Research Project and Comprehensive Clinical Dentistry.

In the Comprehensive Clinical Dentistry course, students are assigned patients for comprehensive dental care for their follow up patients and new patients. Research Project provides the students an opportunity to explore, develop an interest in basic or clinical dental sciences

14.3.5 Elective Courses

Four Elective courses viz., Esthetic Dentistry, Rehabilitation in Pediatric Dentistry, Advanced Endodontics and Dental Implantology, are offered. These are optional courses.

14.4 Study Plan for BDS Program

The college has revised its existing BDS study plan as per the Ministry of Education requirements (Reforming Dentistry Programs) and guidelines of National Qualifications Framework United Arab Emirates (QFE). Courses and credit hours of the BDS Study Plan 2021-22 are summarized as:

General Education Courses (21 credits (10.45 %):

General Education Courses (21 credits (10.45 %):

Course Name	Course Code	Year	Semester	Credit Hours
English	ENG 101	1	1	3
Health Sci. Comm. In Arabic	ARB 101	1	1	3
Information Technology and Innovation	ITI 101	1	1	3
Health Sci. Comm. in English	HSE 101	1	2	3
Islamic Culture in Medicine	ICM 101	1	2	3
Emirates Society	EMS 101	1	2	3
Biostatistics and Research Methodology	BRM 101	2	Summer	3

Basic & Medical Education Courses (42 credits (20. 89%):

Course Name	Course Code	Year	Semester	Credit Hours
Anatomy - Head & Neck and Cell Biology	DAH 126	1	1 and 2	6
Physiology	DPH 126	1	1 and 2	6
Oral Biology & Tooth Morphology	DOB 126	1	1 and 2	6
Biochemistry	DBC 226	2	3 and 4	6
Pathology	DPA 224	2	3 and 4	4
Pharmacology and Therapeutics	DPT 224	2	3 and 4	4
Microbiology	DMB 212	2	3	2
Ethics in Dental Practice	DED 211	2	3	1
Evidence Based Dentistry	DEB 212	2	3	2
General Medicine	DGM 213	2	4	3
General Surgery	DGS 212	2	4	2

Pre-clinical Dental Sciences Courses (44 credits (21.89%):

Course Name	Course Code	Year	Semester	Credit Hours
Infection Control	DIC 212	2	3	2
Clinical Orientation	DCO 211	2	3	1
Practice Management	DPM 211	2	3	1
Pre-Clinical Operative Dentistry	DOD 225	2	3 and 4	5
Pre-Clinical Periodontics	DPR 213	2	4	3
Community Dentistry	DCD 326	3	5 and 6	6
Pre-Clinical Prosthodontics	DPP 328	3	5 and 6	8
Pre-Clinical Oral Surgery	DOS 326	3	5 and 6	6
Oral Pathology	DOP 326	3	5 and 6	6
Oral Radiology	DOR 324	3	5 and 6	4
Pre-Clinical Endodontics	DEN 312	3	Summer	2

Clinical Dental Sciences Courses (94 credits (46.76%):

Course Name	Course code	Year	Semester	Credit Hours
Clinical Periodontics	DPR 326	3	5 and 6	6
Oral Medicine & Oral Diagnosis	DOM 314	3	Summer	4
Clinical Operative Dentistry	DOD 426	4	7 and 8	6
Clinical Prosthodontics	DPC 428	4	7 and 8	8
Clinical Endodontics	DEN 427	4	7 and 8	7
Clinical Oral Surgery	DOS 427	4	7 and 8	7
Clinical Pediatric Dentistry	DPD 428	4	7 and 8	8
Hospital & Geriatric Dentistry	DHG 413	4	Summer	3
Treatment Planning & Seminar	DPT 413	4	Summer	3
Clinical Orthodontics	DOR 526	5	9 and 10	6
Research Project	DRP 522	5	9 and 10	2
Comprehensive Clinical Dentistry -1	DCC 5228	5	9 and 10	28
Comprehensive Clinical Dentistry -2	DCC 516	5	Summer	6

Study Plan for BDS Program 2022-2023

FIRST YEAR COURSES									
SEMESTER 1					SEMESTER 2				
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Practical	
ENG 101	English	3	0	ENG 101	HSE 101	Health Science Communication Skills in English	3	0	HSE 101
ARB 101	Health Science Communication Skills in Arabic	3	0	ARB 101	ICM 101	Islamic Culture in Medicine	3	0	ICM 101
ITI 101	Information Technology and Innovation	2	1	ITI 101	EMS 101	Emirates Society	3	0	EMS 101
DAH 126	Anatomy- Head & Neck and Cell Biology	2	1	Continuous Course	DAH 126	Anatomy- Head & Neck and Cell Biology	2	1	DAH 126
DPH 126	Physiology	2	1	Continuous Course	DPH 126	Physiology	2	1	DPH 126
DOB 126	Oral Biology and Tooth Morphology	2	1	Continuous Course	DOB 126	Oral Biology and Tooth Morphology	2	1	DOB 126
Semester Total		14	4		Semester Total		15	3	

SECOND YEAR COURSES									
SEMESTER 3					SEMESTER 4				
Code	Title	CreditHours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Practical	
DBC226	Biochemistry	2	1	Continuous Course	DBC 226	Biochemistry	2	1	DBC 226
DPT 224	Pharmacology and Therapeutics	2	0	Continuous Course	DPT 224	Pharmacology and Therapeutics	2	0	DPT 224
DPA 224	Pathology	2	0	Continuous Course	DPA 224	Pathology	1	1	DPA 224
DOD 225	Pre-Clinical Operative Dentistry & Biomaterials	2	1	Continuous Course	DOD 225	Pre-Clinical Operative Dentistry & Biomaterials	1	1	DOD 225
DMB 212	Microbiology	1	1	DMB 212	DGM 213	General Medicine	2	1	DGM 213
DIC 212	Infection Control	2	0	DIC212	DGS 212	General Surgery	2	0	DGS 212
DED 211	Ethics in Dental Practice	1	0	DED 211	DPM 211	Practice Management	1	0	DPM 211
DEB 212	Evidence Based Dentistry	2	0	DEB 222	DPR 213	Pre-Clinical Periodontics	2	1	DPR 213
DCO 211	Clinical Orientation	0	1	DCO 211					
Semester Total		14	4		Semester Total		13	5	

SUMMER SEMESTER				
Code	Title	Credit Hours		End Year Exams
		Theory	Practical	
BRM 101	Biostatistics & Research Methodology	3	0	BRM 101

THIRD YEAR COURSES									
SEMESTER 5					SEMESTER 6				
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Practical	
DCD 326	Community Dentistry	2	1	Continuous Course	DCD 326	Community Dentistry	2	1	DCD 326
DPP 328	Pre-Clinical Prosthodontics & Biomaterials	2	2	Continuous Course	DPP 328	Pre-Clinical Prosthodontics	2	2	DPP 328
DOS 326	Pre-Clinical Oral Surgery	2	1	Continuous Course	DOS 326	Pre-Clinical Oral Surgery	2	1	DOS 326
DOP 326	Oral Pathology	2	1	Continuous Course	DOP 326	Oral Pathology	2	1	DOP 326
DOR 324	Oral Radiology	1	1	Continuous Course	DOR 324	Oral Radiology	1	1	DOR 324
DPR 326	Clinical Periodontics	1	2	Continuous Course	DPR 326	Clinical Periodontics	1	2	DPR 326
Semester Total		10	8		Semester Total		10	8	

SUMMER SEMESTER									
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Clinical	
DEN 312	Pre-Clinical Endodontics	1	1	DEN 312	DOM 314	Oral Medicine and Oral Diagnosis	2	2	DOM 314

FOURTH YEAR COURSES									
SEMESTER 7					SEMESTER 8				
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Practical	
DOD 426	Clinical Operative Dentistry	1	2	Continuous Course	DOD 426	Clinical Operative Dentistry	1	2	DOD 426
DPC 428	Clinical Prosthodontics (Partial & Complete Denture)	1	3	Continuous Course	DPC 428	Clinical Prosthodontics (Fixed Prosthesis)	1	3	DPC 428
DEN 427	Clinical Endodontics	1	2	Continuous Course	DEN 427	Clinical Endodontics	1	3	DEN 427
DOS 427	Clinical Oral Surgery	1	2	Continuous Course	DOS 427	Clinical Oral Surgery & Implantology	2	2	DOS 427
DPD 428	Clinical Pediatric Dentistry	2	3	Continuous Course	DPD 428	Clinical Pediatric Dentistry	1	2	DPD 428
Semester Total		6	12		Semester Total		6	12	

SUMMER SEMESTER									
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Clinical	
DHG 413	Hospital & Geriatric Dentistry	2	1	DHG 413	DTP 413	Treatment Planning & POL	3	0	DTP 413

FIFTH YEAR COURSES									
SEMESTER 9					SEMESTER 10				
Code	Title	Credit Hours		End Sem. Exams	Code	Title	Credit Hours		End Year Exams
		Theory	Practical				Theory	Practical	
DOR 526	Clinical Orthodontics	2	1	Continuous Course	DOR 526	Clinical Orthodontics	2	1	DOR 526
DCD 5228	Comprehensive Clinical Dentistry -I	0	14	Continuous Course	DCD 5228	Comprehensive Clinical Dentistry-I	0	14	DCD 5228
DRP 522	Research Project	1	0	Continuous Course	DRP 522	Research Project	1	0	DRP 522
Semester Total		3	15		Semester Total		3	15	

SUMMER SEMESTER				
Code	Title	Credit Hours		End Sem. Exams
		Theory	Practical	
DCD 516	Comprehensive Clinical Dentistry -II	0	6	DCD 516

Theory: One contact hour is equal to one credit hour

Practical and Clinical: One credit hour is equal to two contact hours

RAKCODS have offered following 4 Elective courses during the summer semester of year 4 and 5:

1. Esthetic Dentistry (DES 412) - Summer Semester 2 Year 4
2. Rehabilitation in Pediatric Dentistry (DRD 412) - Summer Semester 2 Year 4
3. Advanced Endodontics (DAE 512) - Summer Semester 2 Year 5
4. Dental Implantology (DDI 512) - Summer Semester 2 Year

14.5 Description of Courses

14.5.1 General Education Courses (Please refer Section 12.3.2)

DAH 126 Anatomy-Head & Neck and Cell Biology Credit Hours: (4 + 2 = 6)

This course provides an understanding of the basic anatomy, embryology, histology, imaging and relevant clinical anatomy of the Head and neck region, CNS along with general outline of Respiratory, cardiovascular and digestive system. The course prepares the students for the application of head and neck anatomy and embryology and radiology in clinical sciences which will help them towards diagnosis of clinical disorders.

DPH 126 Physiology**Credit Hours: (4 + 2 = 6)**

Physiology is a six-credit course offered in the first year of the BDS program. The course provides a system-based approach to the normal organ functions and the various physiological processes of the body that maintain homeostasis. It covers cellular structure and function, muscle types, excitability and mechanism of contraction, and details of blood, cardiovascular, digestive, respiratory, excretory, endocrine, reproductive, and central nervous systems, and special senses. Students can apply this knowledge to understand the physiological adaptations to special conditions, and to explain the physiological basis of oro-dental health and disease. The course is facilitated through interactive lecture sessions, self-directed learning, practical sessions and course examinations.

DOB 126 Oral Biology and Tooth Morphology**Credit Hours: (4 + 2 = 6)**

This course describes the micro and macro structures and function of the oral cavity including, teeth, bone, soft tissues and salivary glands and associated structures along with theories of formation, growth, development of these tissues. The course also describes the anatomical and morphological characteristics of teeth and their supporting structures, the inter-arch and intra-arch relationships. The course enables students to incorporate and integrate the knowledge of structure and development of oro-facial tissues in their future clinical practice to develop the knowledge and skills necessary for clinical diagnosis and treatment planning.

DBC 226 Biochemistry**Credit Hours: (4 + 2 = 6)**

The course will focus to the conceptual discipline based on the structure and function of components of living tissues in health and disease. It will also provide the basic knowledge of the biochemistry of the human body as an aid in the diagnosis, prevention and treatment of oral diseases.

DPT 224 Pharmacology and Therapeutic**Credit Hours: (4 + 0 = 4)**

The course describes the principles of pharmacokinetics and pharmacodynamics including factors that modify drug action. The course also describes the mechanism of action, therapeutic uses, adverse reactions, contraindications, drug interactions along with salient pharmacokinetic features and dental implications of the drugs used in inflammatory conditions, infective diseases including bacterial, viral, fungal and parasitic infections, cancer, autoimmune disorders, anemias, disorders of hemostasis, hyperlipidemia and gastrointestinal disorders. The course also describes the mechanism of action, therapeutic uses, adverse reactions, contraindications, drug interactions along with salient pharmacokinetic features and dental implications of the drugs used in cardiovascular, respiratory, endocrine and central nervous systems and, general and local anesthetics.

DPA 224 Pathology**Credit Hours: (3 + 1 = 4)**

The course builds upon an understanding of the normal structure and function of the human body, and enables the students to relate the basic concepts of general pathology to understand the pathogenesis and morphology of diseases.

DOD 225 Pre-Clinical Operative Dentistry & Biomaterials**Credit Hours: (3 + 2 = 5)**

The course describes the basic concepts of cavity design with minimum cavity extension, materials used in the various conservative procedures, their manipulation, and properties. This course also highlights the diagnosis, prevention and management of dental caries. The concepts of minimally invasive dentistry for incipient caries and complex restorations for grossly damaged teeth are introduced to develop the students' knowledge and skills for future clinical work. Pre-clinical laboratory sessions and demonstrations will help the students to develop skills to utilize the materials in conservative techniques.

DMB 212 Microbiology**Credit Hours: (1 + 1 = 2)**

Microbiology course provides the student with an understanding of the natural history of oral infections and other systemic infectious diseases with oral manifestations. The course covers oral microbiology, immunology and microbial interactions with human host in health and disease. It provides the foundation of the roles of microbes and host response in oral health and disease, and to utilize this knowledge for the prevention of oral diseases such as caries and periodontitis.

DGM 213 General Medicine**Credit Hours: (2 + 1 = 3)**

This course provides the students with the etiology, signs and symptoms of common medical problems encountered during dental practice, which may complicate the delivery of quality dental care. Undertaking the course ensures that graduate practitioners understand when to refer and indication for complex treatment. Also, to enable the students to recognize problems in the medical history of patients as a prerequisite to the whole patient care and health promotion approach to modern dentistry.

DIC 212 Infection Control**Credit Hours: (2 + 0 = 2)**

The course focuses on the protocols of infection control and the mechanisms by which infectious diseases are transmitted in dental practice. Introduce to the Students understanding about the meaning and importance of infection control in dental practice and the methods required for it.

DGS 212 General Surgery**Credit Hours: (2 + 0 = 2)**

General surgery is a two credit course offered in the 4th semester of the second year Dental program. The aim of the course is to introduce the student to the basic concept of surgical patient. The course includes general principle of surgery and surgical patient which includes preparing patients for surgery and anesthesia, identifying the high risk patient during the peri-operative period as well as surgical wound care and wound healing. The second part is specific to surgical topics relevant to dental students, with stress on topics related directly to the learning outcome, the students will be asked to write in one of the related topics this is active self-directed learning that will make them read more on specific topics.

DED 211 Ethics in Dental Practice**Credit Hours: (1 + 0 = 1)**

This course helps students to understand the place of ethics in professional life, to recognize when an ethical problem exists in the performance of academic work, clinical treatment, or research, and to have the capability of analyzing and addressing the problem.

DPM 211 Practice Management**Credit Hours: (1 + 0 = 1)**

Practice management course focuses on dentistry as a business, dental team & patient, management, importance of legal and ethical issues, communication skill, financing, purchasing equipment, documentation and regulations of dental practice management. The course introduce students to those business skills that will contribute to a more efficient and cost effective delivery of dental care in the private practice setting.

DEB 212 Evidence Based Dentistry**Credit Hours: (2 + 0 = 2)**

This course is designed to teach students how to find, evaluate and apply research evidence to make decisions regarding the care of their patients.

DPR 213 Pre-Clinical Periodontics**Credit Hours: (2 + 1 = 3)**

This course exposes the students with a complete spectrum of normal structure of periodontium, various forms of periodontal diseases, plaque and systemic conditions affecting the periodontal tissues. Etiology, pathology and clinical features associated with periodontal diseases are also described. Practical training on phantom head will prepare the students to develop manual skills for non-surgical periodontal therapy.

DCO 211 Clinical Orientation**Credit: (0 + 1 = 1)**

The concept of clinical orientation is to acquaint the students with dental operatory. The students will be made aware of team working and patient care by observing their seniors during the clinical work. Students will have an opportunity to observe clinically normal oral tissues, dental plaque and caries. The course also familiarizes the students with infection control protocol and Hospital Information Management System (HIMS).

DCD 326 Community Dentistry**Credit Hours: (4 + 2 = 6)**

General surgery is a two credit course offered in the 4th semester of the second year Dental program. The aim of the course is to introduce the student to the basic concept of surgical patient. The course includes general principle of surgery and surgical patient which includes preparing patients for surgery and anesthesia, identifying the high risk patient during the peri-operative period as well as surgical wound care and wound healing. The second part is specific to surgical topics relevant to dental students, with stress on topics related directly to the learning outcome, the students will be asked to write in one of the related topics this is active self-directed learning that will make them read more on specific topics.

DED 211 Ethics in Dental Practice**Credit Hours: (1 + 0 = 1)**

This course introduces the students to different oral health problems at a community level along with general epidemiological methods. The course content will contribute to the concepts and practice of health promotion. It also prepares the students to understand and fulfill their responsibility to improve oral health of the community.

DPP 328 Pre-Clinical Prosthodontics& Biomaterials**Credit Hours: (4 + 4 = 8)**

This course introduces the principles and lab procedures related to dental materials, removable and fixed prostheses. It describes the knowledge for use of dental materials, practical skills for handling the materials and preparation of removable and fixed prostheses. A thorough knowledge will be provided into the terminologies, techniques and skills for the fabrication of these prostheses.

DOS 326 Pre-Clinical Oral Surgery**Credit Hours: (4 + 2 = 6)**

This course presents the complete pharmacology of local anesthetic agents and commonly used injection techniques. The course also includes different methods of pain control, dental management of the medically compromised patients and medical emergencies in dental practice. Practical training will prepare students for manual implementation of different technique of local anesthesia, as well as examination of compromised patients.

DOB 326 Oral Pathology**Credit Hours: (4 + 2 = 6)**

The course is designed to study diseases involving the soft tissues, bone and dental hard tissues of the maxillofacial region. The course highlights on pathogenesis, clinical and radiographic presentation and microscopic changes of all reactive, infective and neoplastic processes involving the head and neck region, specifically the oral cavity. The course also provides an overview of diagnostic procedures and treatment of oral disease are introduced in relationship to the clinical and radiographic presentation and pathogenesis. In addition, it emphasizes on the clinical recognition of diseases, radiographic interpretation and formulation of an appropriate differential diagnosis.

DOR 324 Oral Radiology**Credit Hours: (2 + 2 = 4)**

The course focuses on the basic principles of X-ray production, the biological damage effects of ionizing radiation and protection from radiation hazards. Students learn to take all intraoral and extra oral skull different radiographic techniques, Students are practice the interpretation of different radiographs and deals with advanced techniques in dental radiology. Students learn how to assess clinical cases and make differential diagnosis between normal anatomical landmarks and types of radiolucent & radiopaque lesions with preparation of accurate report for of radiographic interpretation.

DPR 326 Clinical Periodontics**Credit Hours: (2 + 4 = 6)**

The course focuses on diagnosis, prognosis and treatment planning of various forms of periodontal diseases based on the comprehensive clinical examination including properly sequenced and individualized therapeutic treatment plan. The course describes nonsurgical periodontal therapy and knowledge necessary for surgical periodontal therapy. Students will be able to perform non- surgical periodontal procedures and diagnose cases which require surgical treatment.

DEN 312 Pre-Clinical Endodontics**Credit Hours: (1 + 1 = 2)**

The course focus on knowledge of pulp diseases, diagnosis and treatment planning related to endodontics, and train the student to perform endodontic procedures in clinical situations. The course describes diagnose, plan and successfully manage teeth with pulpal involvement. Important fundamentals are stressed with emphasis on problem solving skills, critical thinking, radiographic interpretation and self-assessment criteria.

DOM 314 Oral Medicine & Oral Diagnosis**Credit Hours: (2 + 2 = 4)**

The course describes various oral diseases and conditions; including white lesions of the oral mucosa; oral ulcerations; disorders of pigmentation and pigmented lesions; vesicular and bullous lesions, their clinical presentations, diagnosis and management. The course also deals with the common oral manifestations of medically complex patients, primary and acquired immunodeficiency, salivary gland dysfunction, a typical facial pain and chemosensory disorder, including their management. Emphases on relevance of thorough medical history taken, proper communication with patient, proper use of diagnostic tools, including biopsies to gather the necessary data for establishing diagnosis and setting up treatment plans are also discussed.

DOD 426 Clinical Operative Dentistry**Credit Hours: (2 + 4 = 6)**

The clinical operative dentistry course builds on the preceding principles and techniques presented in the pre-clinical operative course while expanding the area of diagnosis, treatment planning and management of assigned patients. This course helps to provide the knowledge, technical skills, critical thinking and judgment for caries diagnosis and prevention, minimal intervention, restoration of posterior and anterior teeth and endodontically-treated teeth and management of complex carious lesions, non-carious cervical lesions, root caries, dentin hypersensitivity and teeth discoloration. A correlation between operative dentistry and allied restorative specialties is to be established.

DPC 428 Clinical Prosthodontics**Credit Hours: (2+ 6 = 8)**

The course focuses on diagnosis, treatment planning and prognosis of removable and fixed prosthodontic cases based on the comprehensive clinical examination. A detailed individualized treatment plan based on the evaluation of all diagnostic findings is an essential component. This course outlines all types of removable and fixed dental prostheses treatment procedures. Students are required to acquire adequate knowledge and skills to perform all the prosthodontic procedures outlined in the course syllabus.

DEN 427 Clinical Endodontics**Credit Hours: (2 + 5 = 7)**

The course focus on knowledge of pulp diseases, diagnosis and treatment planning related to endodontics, and train the student to perform endodontic procedures in clinical situations. The course describes diagnose, plan and successfully manage teeth with pulpal involvement. Important fundamentals are stressed with emphasis on problem solving skills, critical thinking, radiographic interpretation and self-assessment criteria.

DOS 427 Clinical Oral Surgery and Implantology**Credit Hours: (3 + 4 = 7)**

The course focuses on diagnosis, prognosis and treatment planning of common dento-alveolar problems with an emphasis on oral surgical procedures performed by general dental practitioner. The course also describes the principles of management of impacted teeth, endodontic and pre-prosthetic surgery, primary and secondary survey of maxillofacial trauma, salivary glands, Temporomandibular joint diseases, cleft lip and palate, orthognathic surgery and implantology. Students will be able to diagnose, prognose and to perform non- surgical and surgical extractions.

DPD 428 Clinical Pediatric Dentistry**Credit Hours: (3 + 5 = 8)**

This course is an age dependent specialty. The course provides training in primary and comprehensive, preventive and therapeutic oral health care for infants and children through adolescence, including children with special health care needs. The course will provide the student with sufficient education and training for diagnosis, treatment planning and clinical care for the young population. In addition graduates will demonstrate critical thinking and decision making and life-long learning skills. plans are also discussed.

DHG 413 Hospital and Geriatric Dentistry**Credit Hours: (2 + 1 = 3)**

This course provides an opportunity for the students to observe hospitalized patients with medical and surgical problems. It enables students to understand the basic principles of hospital regulations including admission, discharge, sterilization, infection control, operating theatre, ICU, CCU, & other emergency departments.

The course summarizes the aging process and its associated epidemiologic, sociologic, psychosocial factors and the impact of these conditions on oral health, various oral disease findings and subsequent therapies. It also discusses the common medical conditions including their etiologies and appropriately design a plan of action for their older adult patients who present with these conditions in a systematic fashion to achieve evidence-based treatment.

DTP 413 Treatment Planning and Problem-Oriented Learning

Credit Hours: (3 + 0 = 3)

The course focuses on patient examination, education, oral health risk assessment, development of personalized prevention strategies for dental and oral health related diseases, interpretation of diagnostic findings, development of comprehensive, sequenced treatment plans and patient management by completing the clinical charts and other documents pertaining to patient's file. Group discussion improve the skills of making diagnosis and treatment planning.

Problem-oriented learning is designed to give the students the experience to apply lecture materials to life-like situations and allows the student to experience the process as seen in daily clinical practice. It serves as a framework for discussion, which allows students to recall what they already know, explain their reasoning, limitation of their knowledge, formulate questions to address that limit, gather information, and incorporate those information into their thinking.

DOR 526 Clinical Orthodontics

Credit Hours: (4 + 2 = 6)

This course provides the students with knowledge about the basic terminologies, rationale of orthodontic treatment, facial growth, development of normal occlusion, classification of malocclusion, etiology of malocclusion, diagnosis skills, extra and intra oral examination, study model analysis, cephalometric analysis, histology and physiology of tooth movement. Also, it explains knowledge of bio-mechanics principles, anchorage, retention and relapse. The course covers the principles of various removable, functional and fixed appliances; their indications, contra-indications and their use for the non-skeletal and skeletal treatment planning of class I, II and III malocclusions. Treatment of adults, cleft lip and palate and maxillary canine management and recent advances in orthodontic treatment are also discussed.

DCD 5228 Comprehensive Clinical Dentistry - I

Credit Hours: (0 + 28 = 28)

This training is designed to improve the clinical skills in diagnosis, comprehensive treatment planning and management of patients with various dental problems as comprehensive care under the supervision of clinical faculty and staff.

DRP 522 Research Project

Credit Hours: (2 + 0 = 2)

This course provides the students an opportunity to select a suitable topic for research in dental sciences under guidance of the course coordinator and a member of the dental faculty. Students learn how to work independently and be creative in their thoughts and ideas.

The course offers knowledge on application of the basic principles of research design, methods of data collection and how to analyze them in dental health sciences. The course also provides the steps necessary to design and write a research project.

DCD 516 Comprehensive Dentistry - II**Credit Hours: (0 + 6 = 2)**

This training is designed to improve the clinical skills in diagnosis, comprehensive treatment planning and management of patients with various dental problems as comprehensive care under the supervision of clinical faculty & staff

ELECTIVE COURSES:**DES 412 Esthetic Dentistry****Credit Hours: (1 + 1 = 2)**

This course prepares the students to diagnose, form a treatment plan and perform a number of esthetic procedures with the latest available materials. It encompasses a broad approach to the total esthetic needs of the patient. Esthetic dentistry course is supported by new developments, innovative techniques and a wealth of new scientific data to share new information with students.

DRD 412 Rehabilitation in Pediatric Dentistry**Credit Hours: (1 + 1 = 2)**

This course describes the principles of comprehensive oral rehabilitation in pediatric patients. The subject focuses on proper case selection, behavior guidance, conscious sedation and the management of multiple surface restorations in children, inclusive of stainless steel crowns and other clinical procedures with emphasis on all levels of prevention applicable to pediatric dentistry.

DAE 512 Advanced Endodontics**Credit Hours: (1 + 1 = 2)**

The advanced endodontics course builds on the preceding principles and techniques presented in the clinical endodontics course. This course gives the fundamental knowledge for excellence in endodontic treatment with emphasis on advanced endodontic topics and a correlation between endodontics and allied restorative specialties is to be established. The course format will involve a combination of lectures and case discussion with hands-on training on certain new technologies in endodontics. Students will have access to the latest equipment, including operating microscopes and rotary instruments. This advanced education in endodontics is a 6-month course offering a comprehensive educational experience. It is intended to increase students' knowledge and endodontic literacy through didactic coursework and to enhance skills through clinical experience.

DDI 512 Dental Implantology**Credit Hours: (1 + 1 = 2)**

This course presents the complete orofacial anatomy, bone physiology, concept of osseointegration and tissue reaction on implant material. The course includes basic surgical principles in implant dentistry as well as standard surgical principles and surgical principles in esthetic zone, implant therapy of patients with unsatisfactory anatomic conditions, postoperative treatment and management of therapy complications. Course will presents the introduction with prosthetic components of implant, planning of restorative procedure and basic prosthetic principles. Practical training will prepare students for pre-implant treatment and knowledge of surgical therapy strategy as well as prepare students for knowledge of surgical implant procedure in different case conditions. Practical training will prepare students for knowledge of restorative procedure on dental implants in different case conditions.

14.6 Dental Internship

Dental Internship is an optional training program provided by RAK College of Dental Sciences Clinical facilities and is based on the philosophy of Comprehensive Dental Care for patients under the supervision of qualified clinical faculty.

- Internship is a UAE government requirement. Interns are encouraged to make enquiries with the dental practice regulatory bodies (NIHS, MOH in UAE, for examples) in their respective countries with respect to the current dental practice licensing regulations.
- As there are limited numbers of seat for interns, merit will be strictly followed for the intake of all interns as per the selection criteria of the university.
- Decision of the three members from the core clinical faculty will be considered as the final for the intake if interns.
- The duration for internship training is one year as per the academic calendar of the university.
- Interns are expected to attend all the sessions. However, 75% attendance in clinical sessions is mandatory.
- Trainees are required to complete the clinical requirements over a period of one academic year in all major disciplines of dentistry (Please refer to Internship manual for details).
- Intern's progress in all aspects of general dental practice will monitor throughout the clinical training by the specialists.
- Interns are expected to obey policies of the clinic along with the rules and regulations of the University.

14.6.1 Admission requirements for Internship Program

- Completely Filled Internship Application Form
- BDS or Equivalent Undergraduate Dental Degree from Accredited Universities in the UAE and attested/certified by Ministry of Education in UAE.
- English Language Proficiency Test (TOEFL score of 500 in paper-based test OR 61 in internet based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT)
- Good Standing Certificate by University last attended
- Medical Fitness or Vaccination Certificate
- Copy of Passport / Identity Card "ID"

14.6.2 Internship Certificate

Internship certificate will be awarded on successful completion of clinical requirements (satisfactory grade) on the basis of clinical competency without any grade.

15. RAK College of Pharmacy

Dean's Message

Dear Faculty, Staff, and Students of the College of Pharmacy,

I hope this message finds you all in good health and high spirits. It is with great pleasure and excitement that I take this opportunity to introduce myself as the new Dean of the RAK College of Pharmacy at Ras Al Khaimah Medical & Health Sciences University (RAKMHSU). I am honored to join this esteemed institution and work alongside each of you in shaping the future of pharmacy education and research.

I come to this role with a deep passion for advancing pharmaceutical sciences and patient care. Over the years, I have had the privilege of working in various leadership capacities within academia and the pharmaceutical industry.

My primary goal as Dean is to build on the strong foundation of excellence that already exists within the college and to foster an environment that promotes innovation, diversity, and collaboration.

I am excited to welcome our students to Ras Al Khaimah Pharmacy! Our passion is preparing pharmacists and pharmaceutical scientists for a career where they will make a difference across the spectrum of healthcare focused on medications. Our college, staff, alumni, and stakeholders are deeply committed to your success and your future. We have internationally acclaimed teachers, scientists, and patient care providers all working collaboratively to provide the destination to fulfill your career hopes and dreams.

The college of Pharmacy is part of Ras Al Khaimah Medical Health Sciences University (RAKMHSU), which are institutions dedicated to practise, research, and education in the field of medicines. Modern classrooms, laboratories, and numerous volumes of pharmaceutical reference books are all available to students studying pharmacy.

The B.Pharm program is of four years and six months duration with four years of course work along with industry and community Pharmacy rotations in the 8th semester. The Ninth semester is exclusively for clinical training in hospital. This will expose the students to real life situations and prepare them to face the different challenges in their profession.

We are proud of our engaging educational approaches and the diversity of learning environments provided throughout Ras Al Khaimah College of Pharmacy. As a learner in Ras Al Khaimah Collge of Pharmacy you will:

- engage with patients beginning in your early year as a Pharmacy student;
- refine your laboratory and computational skills in scientific discovery in our graduate programs;
- immerse in leadership focused on the business of medicines in our pharmacy program;
- specialize your career in research and pharmacotherapy through our research laboratories and clinical training programs; and,
- continue your life-long learning in our microcredential, certificate, and continuing education programs.



The University of RAKMHSU, an excellent University, is located in the beautiful and thriving cities of Ras Al Khaimah, with easy access to a wide range of social, cultural, recreational and athletic activities.

Welcome to the Ras Al Khaimah Pharmacy family where our culture leads our excellence to produce simply the best experience for you to begin the career of your dreams!

Faculty of Pharmacy, RAKMHSU is the right place for those who concern about the quality of education, think about the future and opportunities enabled by education. At our faculty, student will acquire up-to-date knowledge and skills that will enable him/her for real needs of the future occupation.

I firmly believe that the RAK College of Pharmacy plays a vital role in preparing future pharmacists, pharmaceutical scientists, and researchers who will drive advancements in healthcare and positively impact the lives of patients. To achieve this vision, I am committed to working closely with faculty, staff, and students to:

1. **Enhance the curriculum:** We will continuously update our programs to align with the evolving needs of the healthcare industry, incorporating cutting-edge research and technology into our teaching methodologies.
2. **Facilitate research and innovation:** I am dedicated to providing the necessary resources and support for faculty and students to engage in impactful research and drug development projects that address critical health challenges.
3. **Strengthen community partnerships:** We will forge strong ties with healthcare organizations, industry partners, and other academic institutions to promote collaborative opportunities and enrich our students' experiential learning.
4. **Promote student success:** Our commitment to student success goes beyond academics. We will focus on creating a nurturing and inclusive environment that supports the personal and professional growth of our students.
5. **Embrace diversity and inclusivity:** I firmly believe that a diverse and inclusive academic community fosters creativity, empathy, and better problem-solving. We will actively promote diversity among our faculty, staff, and student body.

If you have any suggestions, ideas, or concerns that you would like to share with me, please do not hesitate to reach out. I am committed to an open-door policy and value your input in shaping the future of our college. Together, we will achieve new heights of excellence in pharmaceutical education, research, and community engagement. I am excited about the possibilities that lie ahead and the positive impact we can make on the profession of pharmacy.

Thank you all, and I am looking forward to working with all of you.

Best regards,

**Prof. Mohamed El-Tanani: Vice President - Research & Postgraduate Studies and
Acting Dean – RAK College of Pharmacy.**

Vision

Excellence in pharmacy education through innovative learning, teaching, training, research, community engagement and inter-professional practice.

Mission

To educate and prepare qualified Pharmacy graduates with strong personal and professional knowledge, skills and attributes to deliver various professional Pharmacy services dedicated to enhancing the health care and wellbeing of the community in a challenging health care environment.

Goals:

1. To offer academic programs of high quality in Pharmacy which are recognized nationally, regionally and internationally.
2. To promote openness, diversity, fairness and academic freedom.
3. To ensure that the students are equipped with adequate knowledge and skills to enter successfully into the different fields of pharmaceutical sciences & practice.
4. To contribute to the advancement of knowledge of pharmaceutical sciences and practice through research.
5. To render ethical healthcare and service to the patients with the highest degree of accountability to self and community.
6. To promote inter-institutional alliance with premier Colleges of Pharmacy, Drug Industries and Universities.

15.1 Bachelor of Pharmacy Program (B Pharm)

Bachelor of Pharmacy Program (B.Pharm.) is aligned at level seven of the ten level Qualification Framework Emirates comprises of 4 ½ years' duration with four years of course work and 6 months of practice school

15.2 Goals & Objectives

The curriculum has been developed to provide learning opportunities enabling the students to acquire fundamental knowledge, develop basic skills and competence, relevant to health care in the context of patients and community.

The 4½ year curriculum has been designed to achieve the following goals:

- Provide a comprehensive pharmaceutical education leading to B.Pharm Degree.
- Prepare for an evidence based pharmacy practice in the changing health care environment of the 21st Century.
- Integrate pharmaceutical sciences with Pharmacy Practice to enable the students to apply their knowledge to health care.

- Impart pharmaceutical knowledge with skills to enable the students to deliver efficient pharmaceutical care.
- Develop a professional and compassionate approach in the implementation and management of health care.
- Provide a practice and community based pharmacy education program.
- Prepare pharmacists who can function effectively in the multidisciplinary health care system.

15.3 Program Learning Outcomes

A. Knowledge

- 1 Describe the required knowledge of Pharmaceutical Sciences, Administrative and Practice related components to formulate evidence-based care plans to offer enhanced patient care.
- 2 Illustrate the scientific basis of health, disease, and treatment of common medical conditions in the society, accommodating the local cultural values, beliefs and practice.
- 3 Integrate the pathological, genomics and molecular basis of disease modalities to diagnose common conditions and recommend to prescribe the most effective and safest treatment for the patient.
- 4 Describe the synthesis, extraction, formulation, analysis, therapeutic efficacy and safety of pharmaceutical agents, including cosmetics and herbal medicines to promote health, wellness and preventive care.
- 5 Recognize the ethical principles, practice standards and their implications in different practice settings.

B. Skills

- 6 Apply the various concepts and components of foundational, pharmaceutical, and clinical sciences in different practice settings such as community, hospital and industry.
- 7 Apply the knowledge of pharmaceutical sciences for optimal utilization of drugs by solving therapeutic problems of patients accurately.
- 8 Communicate effectively using appropriate language skills and processes with patients, their caregivers, and healthcare providers.
- 9 Demonstrate emotional self-awareness and empathy to address patient's problems considering individualized care plans and assessments.
- 10 Educate patients to empower and motivate them to adopt health-promoting behaviors.
- 11 Implement appropriate research tools, strategies, scientific evidence, and new information associated with the practice of pharmacy in different practice settings
- 12 Interpret various scientific literature, pharmaceutical calculations, and pharmaceutical care services in ethically and professionally.

- 13 Utilize information technology, artificial intelligence, human and physical resources to solve complex and unpredictable problems to provide patient-centered pharmaceutical care services, and optimize the medication use systems.
- 14 Design different pharmaceuticals, including herbals and cosmetics considering the latest standards and technology.

C. Competence

C1 Autonomy & Responsibility

- 15 Exhibit innovative and entrepreneurial thinking in developing professional and career-related goals and objectives.
- 16 Work effectively in a team, engaging in professional collaborative activities and displaying effective self-management and leadership abilities.

C2 Role in context

- 17 Function with full autonomy in a technical and supervisory context with high self-confidence during professional practice and while working with others.
- 18 Abide by the local, national, and relevant international regulations, guidelines, moral and ethical codes governing pharmacy practice.

C3 Self-Development

- 19 Manage complex, unpredictable, unfamiliar and varying work procedures, adversities and problems in the workplace.
- 20 Demonstrate responsibility for professional development in a complex working environment with a commitment to excellence.

15.4 The Curriculum

The B.Pharm program is of 4 ½ year duration with one semester of clinical rotation.

In the 1st year (1st and 2nd semester) of the program, students will be taught general education courses such as English, Health Sciences Communication in English, Health Sciences Communications in Arabic, Islamic Culture & Medicine, Information Technology for Pharmacy, Emirates Society and Biomedical Courses such as Human Anatomy, Human Physiology and other Pharmacy related courses like Foundations of Pharmacy, General Chemistry for Pharmacy, Pharmaceutical Analysis-1, Pharmaceutical Organic Chemistry and Pharmaceutical Calculations.

In the 2nd year (3rd and 4th semester) of the program, students will be exposed to courses like Pharmaceutical Microbiology, Pharmacology & Therapeutics-1&2, Pharmaceutical Analysis-2, Pharmaceutics -1 & 2, Biochemistry & Clinical Chemistry, Introduction to Social Pharmacy, Introduction to Pharmacy Practice, Biostatistics & Research Methodology, Pharmacy Laws & Ethics and Pharmacy Practice - 1.

In the 3rd year (5th and 6th semester) of the program, students will study Innovations & Entrepreneurship in Pharmacy, Herbal Pharmacotherapy, Pharmaceutical Biotechnology-1 & 2 Pharmacology & Therapeutics-3 & 4, Pharmacy Practice-2 & 3, Pharmacy Administration, Pharmaceutics-3, Medicinal Chemistry-1 & 2. Practical and hospital visits will make the learning need-oriented, task-based, and achieve specific learning outcomes.

In the 4th year (7th & 8th semester) of the program, students will be taught Pharmaceutics-4, Pharmaceutical Marketing & Management and Pharmacology & Therapeutics-5, Biopharmaceutics & Pharmacokinetics, Research project, Pharmacovigilance, Drug Discovery & Development, Clinical Pharmacokinetics, Complementary & Alternative Medicine and students will undergo Practice School related training in Community Pharmacy and industry.

Most of the courses from the first year to the final year are supplemented with case studies to enhance the knowledge and skills.

In the 9th semester of the B. Pharm program, students will undergo clinical rotations in hospitals. This will expose the students to real-life situations and prepare them to face the different challenges in their profession.

15.5 Instructional Methods Based on the Learning Outcomes

RAK College of Pharmacy is committed to prepare students for future challenges and fulfill the different roles and responsibilities in society as a part of the healthcare team.

Faculty members are committed to making the learning environment more interactive, integrating technology into the learning experience, and using collaborative learning strategies wherever appropriate. In addition to didactic lectures, learning is facilitated through training in skills laboratories. Training is further advanced through clinical rotations in hospitals, primary health care centers, community pharmacies, and industrial visits.

15.6 Hospital Facilities for Clinical Teaching for Pharmacy Students

RAKMHSU uses the facilities of Sheikh Saqr hospital, Ibrahim Bin Hamad Obaidallah hospital, Fujairah hospital, Abdullah Bin Omran Hospital, RAK Hospital and Sheikh Khalifa General Hospital, Umm Al Quwain for teaching, training and research-related activities for the students. In addition, the university also utilizes various primary health centers available in Ras Al Khaimah under the ambit of RAK Medical District for teaching and training of undergraduate students.

Sheikh Saqr Hospital is a secondary care hospital with a bed capacity of 278 having surgical specialties like General Surgery, Urology, Neurosurgery, Orthopedic Surgery, Oto-Rhino-Laryngology, Ophthalmology, Obstetrics and Gynecology, and Pediatrics.

Ibrahim Bin Hamad Obaidallah Hospital is a secondary care hospital, and it is a medical specialty hospital with a separate geriatric specialty having a bed capacity of 330. The different medical specialties in this hospital are Internal Medicine, Neurology, Respiratory & Chest Medicine, Psychiatry, Nutrition, and Cardiology. Fujairah Hospital is a tertiary care hospital under the Ministry of Health and Prevention UAE. The hospital has 320 beds and seven operation theaters. The specialties available are General Medicine with subspecialties of B Pharm Degree Program Gastroenterology, Neurology, Rheumatology, Nephrology,

cardiology, and Psychiatry. General Surgery has subspecialties of vascular surgery, minimally invasive surgery, plastic surgery, pediatric and neurosurgery. The Obstetrics and Gynecology department has 100 beds. There are 40 beds in the Pediatric wing with pediatric ICU (PICU). The neonatal intensive care unit (NICU) has 22 beds with eight ventilators. Orthopedic, Dermatology, ENT, and Ophthalmology departments carry out diagnostic as well as operative work.

Abdullah Bin Omran Hospital, Ras Al Khaimah has Obstetrics & Gynecology, Neonatology, and Anesthesiology specialties and is available for MBBS/MD students' teaching and clinical training beginning September 2018.

Additionally, the university has an MOU with RAK Hospital, a multispecialty hospital located in RAK, United Arab Emirates. The specialties available are general medicine, surgery, pediatrics, cardiology, gastroenterology, pulmonology, urology, neurology, gynecology, dermatology, psychiatry, etc. In addition, the other available facilities are minimal invasive surgery, bone health, eye care, maternal health, rehabilitation, neurological issues, and advanced cardiac care. Furthermore, the university utilizes RAK hospital on an ad hoc basis for training and research.

RAKMHSU also has an MOU with Sheikh Khalifa specialty hospital, Ras Al Khaimah a 246-bed capacity tertiary care hospital for inpatient care, and several outpatient clinics. It mainly focuses on three medical specialties, namely Oncology, Cardiovascular, and Neuroscience.

RAKMHSU also has an MOU with Sheikh Khalifa General hospital, Umm Al Quwain a 195-bed capacity hospital, including 15 intensive care unit (ICU) beds, 18 neonatal intensive care unit (NICU) beds, 14 beds in Royal / VIP suites; 6 labor rooms.

15.7 Assessment, Evaluation, Grading and Promotion

Students will be assessed continuously through written tests, in-course assessments (ICA), team-based learning (TBL), self-directed learning (SDL), and end semester examinations. The continuous assessment components for each course will contribute to 60% of the marks and the final examination will contribute to the remaining 40% of the marks.

During the final examination, theory and, wherever applicable, laboratory and clinical examination will be held for each course and graded for 40% each for theory and practical separately of the total marks in determining the final grade.

15.7.1 Assessment

15.7.2 Theory

Theory	Practical
Continuous Assessment - 60% ▪ Written Test* / Presentation/ Seminar* ▪ In- course Assessment ▪ Team Based Learning (*TBL) ▪ Self- Directed Learning (SDL)	Continuous Assessment - 60% ▪ Daily Assessment ▪ Lab Report ▪ In-course Assessment
Final Examination - 40% ▪ MCQs 100%	Final Examination - 40% ▪ Objective Structured Practical Examination (OSPE) / Objective Structured Clinical Examination (OSCE)

*The number of written tests and TBLs will be based on the type of courses.

15.7.3 Examination Schedule (B. Pharm)

Semester	Courses	Time of Examinations
1	English	End of 1 st Semester
	Health Sciences Communication in Arabic	
	Foundations of Pharmacy	
	Human Anatomy	
	General Chemistry for Pharmacy	
	Information Technology for Pharmacy	
	Emirates Society	
2	Health Sciences Communication in English	End of 2 nd Semester
	Islamic Culture & Medicine	
	Pharmaceutical Analysis -1	
	Human Physiology	
	Pharmaceutical Organic Chemistry	
	Pharmaceutical Calculations	
3	Pharmaceutical Microbiology	End of 3 rd Semester
	Pharmacology & Therapeutics -1	
	Introduction to Social Pharmacy	
	Pharmaceutics – 1	
	Biochemistry & Clinical Chemistry	
	Introduction to Pharmacy Practice	
4	Biostatistics & Research Methodology	End of 4 th Semester
	Pharmacology & Therapeutics – 2	
	Pharmaceutical Analysis – 2	
	Pharmaceutics – 2	
	Pharmacy Laws & Ethics	
	Pharmacy Practice -1	
5	Innovations & Entrepreneurship in Pharmacy	End of 5 th Semester
	Herbal Pharmacotherapy	
	Pharmaceutical Biotechnology – 1	
	Pharmacology & Therapeutics – 3	
	Pharmacy Practice – 2	
	Medicinal Chemistry – 1	
6	Pharmaceutics – 3	End of 6 th Semester
	Pharmacy Administration	
	Pharmaceutical Biotechnology – 2	
	Pharmacology & Therapeutics – 4	
	Pharmacy Practice – 3	
	Medicinal Chemistry – 2	
7	Pharmaceutics – 4	End of 7 th Semester
	Pharmaceutical Marketing & Management	
	Pharmacology & Therapeutics – 5	
	Research Project	
	Biopharmaceutics & Pharmacokinetics	
8	Pharmacovigilance	End of 8 th Semester
	Drug Discovery & Development	
	Clinical Pharmacokinetics	
	Complementary & Alternative Medicine	
	Practice School - Community Pharmacy	
	Practice School – Industry	
9	PRACTICE SCHOOL - HOSPITAL	End of 9 th Semester
	Advanced Practice School– Internal Medicine	
	Advanced Practice School– Internal Medicine Specialty	
	Advanced Practice School– Ambulatory Care	

15.8 Study Plan

Semester – 1			
Course Code	Course Title	Credits	
		Theory	Practical
PEN 103	English	3	0
PAR 103	Health Sciences Communication in Arabic	3	0
PFP 102	Foundations of Pharmacy	2	0
PHA 103	Human Anatomy	2	1
PGC 103	General Chemistry for Pharmacy	2	1
PIT 102	Information Technology for Pharmacy	2	0
PES 102	Emirates Society	2	0
Total Credits		18	

Semester – 2			
Course Code	Course Title	Credits	
		Theory	Practical
PEN 203	Health Sciences Communication in English	3	0
PIC 203	Islamic Culture & Medicine	3	0
PPA 213	Pharmaceutical Analysis -1	2	1
PHP 204	Human Physiology	3	1
POC 203	Pharmaceutical Organic Chemistry	2	1
PPC 203	Pharmaceutical Calculations	2	1
Total Credits		19	

Semester – 3			
Course Code	Course Title	Credits	
		Theory	Practical
PMI 303	Pharmaceutical Microbiology	2	1
PPT 314	Pharmacology & Therapeutics -1	3	1
PSP 302	Introduction to Social Pharmacy	2	0
PPH 313	Pharmaceutics – 1	2	1
PBC 303	Biochemistry & Clinical Chemistry	2	1
PPP 302	Introduction to Pharmacy Practice	2	0
Total Credits		17	

Semester – 4			
Course Code	Course Title	Credits	
		Theory	Practical
PBR 402	Biostatistics & Research Methodology	2	0
PPT 424	Pharmacology & Therapeutics – 2	3	1
PPA 423	Pharmaceutical Analysis – 2	2	1
PPH 423	Pharmaceutics – 2	2	1
PLE 402	Pharmacy Laws & Ethics	2	0
PPP 413	Pharmacy Practice -1	2	1
Total Credits		17	

Semester – 5			
Course Code	Course Title	Credits	
		Theory	Practical
PIE 503	Innovations & Entrepreneurship in Pharmacy	3	0
PHP 502	Herbal Pharmacotherapy	2	0
PBT 513	Pharmaceutical Biotechnology – 1	2	1
PPT 534	Pharmacology & Therapeutics – 3	3	1
PPP 523	Pharmacy Practice – 2	2	1
PMC 514	Medicinal Chemistry – 1	3	1
Total Credits		19	

Semester – 6			
Course Code	Course Title	Credits	
		Theory	Practical
PPH 633	Pharmaceutics – 3	2	1
PAP 602	Pharmacy Administration	2	0
PBT 623	Pharmaceutical Biotechnology– 2	2	1
PPT 644	Pharmacology & Therapeutics – 4	3	1
PPP 633	Pharmacy Practice – 3	2	1
PMC 624	Medicinal Chemistry – 2	3	1
Total Credits		19	

Semester – 7			
Course Code	Course Title	Credits	
		Theory	Practical
PPH 744	Pharmaceutics – 4	3	1
PMM 703	Pharmaceutical Marketing & Management	3	0
PPT 754	Pharmacology & Therapeutics– 5	3	1
PRP 704	Research Project	0	4
PBK 703	Biopharmaceutics & Pharmacokinetics	2	1
Total Credits		18	

Semester – 8			
Course Code	Course Title	Credits	
		Theory	Practical
PPV 802	Pharmacovigilance	2	0
PDD 802	Drug Discovery & Development	2	0
PCP 803	Clinical Pharmacokinetics	2	1
PCM802	Complementary & Alternative Medicine	2	0
PSC 806	Practice School - Community Pharmacy	0	6
PSI 802	Practice School - Industry	0	2
Total Credits		17	

Practice School - Hospital

Semester – 9			
Course Code	Course Title	Credits	
		Theory	Practical
APSI 914	Advanced Practice School- Internal Medicine	-	4
APSI 924	Advanced Practice School- Internal Medicine Specialty	-	4
APSA 934	Advanced Practice School- Ambulatory Care	-	4
APSH 942	Advanced Practice School - Hospital Pharmacy and Drug Information	-	2
APSE 952	Advanced Practice School– Electives - Geriatric Medicine - Obstetrics and Gynecology - Ophthalmology - Surgery - Nutrition	-	2
Total Credits		16	

15.9 Practice School (B Pharm)

Practice School (PS) is a phase of training wherein a graduate is expected to conduct the actual practice of pharmacy and health care and acquire skills under supervision, so that they will become capable of functioning

independently.

- All parts of the practice school (PS) shall be done in approved teaching hospitals, Primary Health care centers (PHCs), Community pharmacies and the pharmaceutical industry.
- Every candidate will be required to undergo compulsory rotational PS to the satisfaction of the University regulation in 8th and 9th semester to get the Practice School Completion Certificate from the Office of the Dean.

- Students will come back to the university after the rotation in Hospital/Community/Industry for review and reporting to the faculty
- The Practice School student shall be entrusted with the responsibilities under the direct supervision of a senior pharmacist/consultant. They shall not be working independently.

15.10 Practice School Advisory Board (PSAB)

The Practice School Advisory Board consists of seventeen members including President and Chief Academic Officer (CAO) as special invitees.

The Practice School Advisory Board will meet twice in a year to conduct its deliberations.

Responsibilities

1. Advise the college with reference to its vision, mission, goals & objectives of pharmacy programs.
2. Oversee the college academic, industrial, hospital & community training, research & other outreach projects
3. Assist to get collaborative projects & arrangements with external agencies especially hospitals, community pharmacies & pharmaceutical industries.
4. Advise on fund raising and grants for collaborative research projects between institution, industries and other bodies
5. Collect feedback from the preceptors about the performance of the students in the work place especially hospitals industries, community and regulatory items.
6. Identify new MS dissertation projects with the help of members and others to make need based, relevant and effective projects.
7. Share graduate projects (completed) of previous year and seek advise for improvement and relevance of projects.
8. Suggest the college about the new and need based, short term programs, certificate and other courses to be offered in future
9. Advise the college about community engagement, inter-professional and scholarly activities

15.10.1 Committee Members

Internal Members:		
1.	Prof. Ismail Matalaka	President (Special invitee)
2.	Prof. Mohamed El- Tanani	Dean (Chair)
3.	Dr. KVR NS Ramesh	Associate Dean (Member Secretary)
4.	Dr. Bhoomendra Bhongade	Professor & Chairperson-Pharmaceutical Chemistry, RAKCOP
5.	Dr. Sathvik B.Sridhar	Professor & Chairperson - Clinical Pharmacy & Pharmacology, RAKCOP
6.	Dr. Shahnaz Usman	Professor & Chairperson - Pharmaceutics, RAKCOP

External Members:		
1.	Dr. Martin Thomas Kurian	Associate Dean & Professor- Clinical Teaching & Coordination
2.	Dr. Mouza Salem Rashed	Head of Pharmacy Department, Saqr Hospital, Ras Al Khaimah
3.	Dr. Abdul Rouf	Assistant Director of Pharmacy Ha mad Medical Corporation, Qatar
4.	Dr. Khalid Al Balushi	Dean, College of Pharmacy, National University, Oman
5.	Dr. Sohil Khan	Higher Degree Research (HDR) Program Convener - PhD, MPhil, MMRes Faculty - Pharmacotherapeutics and Evidence Based Practice, School of Pharmacy and Pharmacology, Griffith University 4222 Queensland, Australia
6.	Dr. Syed Imran Ahmed	Senior Lecturer in Clinical Pharmacy, College of Science, University of Lincoln. Brayford Pool, Lincoln, Lincolnshire. LN6 7TS, T el:01522886915
7.	Mr. Georges Ibrahim	Chief Quality Officer, Gulf Pharmaceutical Industries (Julphar)
8.	Mr. Anjan Das	Factory Head, Dabur Naturelle LLC, Ras Al Khaimah
9.	Dr. Abeer Alhammadi	RAK PHC Pharmacist Incharge, Ras Al Khaimah

15.10.2 Hospital

Advanced Practice School - Internal Medicine

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, and pathophysiology of common disease conditions encountered in patients admitted to internal medicine department.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in in patients admitted to internal medicine department.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment patients admitted to internal medicine department.
4.	Display the knowledge of drug -related problems and patient education points and provision of pharmaceutical care services to general medicine patients.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in internal medicine settings.
6.	Formulate implementation of pharmaceutical care plans with documentations for patients admitted to internal medicine department in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in internal medicine settings.

C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in internal medicine setting as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient -focused care to patients admitted to internal medicine department from various socio -economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self-Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence -based decisions in patients admitted to internal medicine department.

Advanced Practice School – Internal Medicine Specialty

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology and pathophysiology of common disease conditions encountered in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans with physicians in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence -based medicine for improving treatment in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.
4.	Display the knowledge of drug - related problems and patient education points and provision of pharmaceutical care services to the patients with different health conditions in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.

B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.
6.	Formulate implementation of pharmaceutical care plans with documentations in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in internal medicine specialty setting as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient -focused care to patients admitted to internal medicine specialties from various socio-economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self -Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence - based decisions in patients admitted to internal medicine specialties.

Advanced Practice School – Hospital Pharmacy and Drug Information

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Explain the organizational structure of hospital pharmacy
2.	Comprehend the different roles and responsibilities of a hospital pharmacist
3.	Describe the different inpatient and outpatient hospital pharmacy services provided by pharmacist
4.	Discuss the standards of practice for drug information services
B	Skills
5.	Use electronic medical records and medication administration records to analyze patient information and resolve drug related problems
6.	Perform various hospital based pharmaceutical care services like optimizing medication regimens, patient education and counselling, medication review, adverse drug reaction and drug interaction monitoring in an ethical and professional manner.
7.	Develop a systematic approach for answering drug information queries
C	Competence
C1	Autonomy and Responsibility
8.	Execute activities within a typical hospital drug distribution system with other members, including order receipt, evaluation and review and describe the appropriate roles of assistant pharmacists and pharmacists in these processes.
C2	Role in context
9.	Comply with local, national and relevant international regulations, guidelines, moral and ethical codes governing the practice of hospital pharmacy and drug information services.
C3	Self-Development
10.	Take initiatives for self-development by effective verbal interactions and written communications with staff, patients and other healthcare team members in the practice area

Advanced Practice School – Electives

APSH 952 -1 Geriatric Medicine

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Apply the knowledge of appropriate drug therapy, etiology, the pathophysiology of common geriatric disease conditions
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in geriatric patients.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in geriatric patients.
4.	Exhibit the knowledge of drug-related problems and patient education points and provide pharmaceutical care services to geriatric patients.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in geriatric setting.
6.	Formulate implementation of pharmaceutical care plans with documentations in geriatric patients in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in geriatric patients.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in geriatric medicine setting as a member or leader of an inter-disciplinary health care team or other professional groups.
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient-focused care to geriatric patients from various socio-economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self-Development
10.	Solve medication or treatment-related problems independently and develop appropriate pharmaceutical care plans through evidence-based decisions in geriatric patients.

APSH 952 -2 Obstetrics and Gynecology

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, the pathophysiology of common diseases of female reproductive system as well as of pre and post -natal conditions.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in female patients with reproductive system diseases and during pre and post -natal conditions.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in female patients with reproductive system diseases as well as pre and post -natal conditions.
4.	Display the knowledge of drug -related problems and patient education points and provide pharmaceutical care services to female patients with reproductive system diseases as well as in pre and post -natal conditions.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in obstetrics and gynecology setting.
6.	Formulate implementation of pharmaceutical care plans with documentations in female patients with reproductive system diseases as well as in pre and post -natal conditions in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in female patients with reproductive system diseases.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in obstetrics and gynecology setting as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient -focused care to female patients with reproductive system diseases as well as in pre and post -natal conditions from various socio -economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self- Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence -based decisions in female patients with reproductive system diseases as well as in pre and post-natal conditions.

APSH 952-3 Ophthalmology

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, and pathophysiology of common eye diseases.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in patients with various eye diseases.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in patients with eye diseases.
4.	Display the knowledge of drug -related problems and patient education points and provide pharmaceutical care services to patients with eye diseases.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in ophthalmology setting.
6.	Formulate implementation of pharmaceutical care plans with documentations in patients with eye diseases in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in patients with eye diseases.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in ophthalmology setting as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient -focused care to patients with eye diseases from various socio -economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self-Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence -based decisions in patients with eye diseases.

APSH 952 -4 Surgery

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, and pathophysiology of common conditions requiring surgical intervention.
2.	Demonstrate the understanding of the medications involved with a surgery related pharmaceutical care service with emphasis on antibiotic therapy, nutritional support, and pain management
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in patients requiring surgical intervention.
4.	Display the knowledge of drug - related problems and patient education points and provide pharmaceutical care services to surgery patients
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in ENT setting.
6.	Calculate doses for medications used in patients requiring surgical intervention with emphasis on antibiotics and pain relievers.
7.	Manage clinically significant adverse drug reactions and drug interactions in patients admitted in surgical wards.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in surgery setting as a member or leader of an interdisciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient -focused care to surgery patients from various socio -economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self- Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence -based decisions in patients requiring surgical intervention.

APSH 952 -5 Nutrition

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Explain the major mechanisms of different food - drug interactions
2.	Describe the components of parenteral nutrition and their role in nutrition support therapy
3.	Understand the nutrition requirements for different patients with various diseases conditions
4.	Discuss the importance of enteral and parenteral nutrition in management of various disease conditions.
B	Skills
5.	Calculate the nutrition requirements for the patients with the various diseases and clinical conditions
6.	Manage clinically significant food - drug interactions and related pharmaceutical care issues in an ethical and professional manner.
7.	Make recommendations to prevent undesirable food -drug interactions
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in context
9.	Recognize the role of clinical pharmacists in providing nutrition support to patients with various disease conditions
C3	Self-Development
10.	Solve nutrition -related requirements and problems independently and develop appropriate care plans through evidence -based decisions in nutrition setting

15.10.4 Community Pharmacy

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Differentiate the procedure for dispensing Over The Counter (OTC) medications, Pharmacist only Medications (PhOM), and Prescription only Medications (POM)
2.	Describe the process of patient counseling for common ailments, their management and different systems for the storage, dispensing, inventory control, accounting, and bookkeeping of medications
3.	Demonstrate familiarity with different health screening services, domiciliary and medication therapy management services provided in pharmacies
B	Skills
4.	Exhibit professional dispensing and counseling skills while interacting with patients
5.	Resolve different drug -related problems in prescriptions
6.	Compare generics versus brands with respect to OTC medications, available strengths, dosing information, adverse drug reactions, and DDIs
7.	Apply the knowledge in ordering, purchasing and storage of controlled, semi-controlled and other medications in pharmacy
C	Competence
C1	Autonomy and Responsibility
8.	Appraise the ethical laws, policies, and procedures for dispensing OTC medications, prescription -only medications, pharmacist only medications, and controlled substances as per MOH guidelines
C2	Role in context
9.	Work effectively with the others in the community pharmacy setting as a member or leader and exhibit excellent personal, interpersonal, and teamwork skills
C3	Self- Development
10.	Solve medication -related problems to make appropriate pharmaceutical recommendations in a community pharmacy setting

15.10.5 Industry

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Explain the cGMP procedures followed by the pharmaceutical industries.
2.	Illustrate the operation of machinery used for manufacturing of formulations
3.	Illustrate the working of different equipment used for the analysis of raw materials, in process and finished products.
B	Skills
4.	Demonstrate manufacturing of conventional drug delivery systems like semi solids and capsules
5.	Carry out quality control tests for solid and liquid oral preparations
6.	Formulate injections and carry out quality control tests on prepared injections
C	Competence
C1	Autonomy and Responsibility
7.	Demonstrate ability to independently solve problem / conflict during manufacture and develop strategies for optimal use of production facilities and improve quality of dosage forms.
C2	Role in context
8.	Manage the complex and varied professional practices in industry
9.	Function as a team leader for optimal performance of different fields of industrial activities
C3	Self-Development
10.	Upgrade professional knowledge and implement scientific and technical principles in making decisions related to product manufacture

Practice School shall be completed by the students as per the following pattern and training time distribution.

S.No.	Description	No. of Weeks	Credits
1	Hospital Rotation: The training includes rotation in the various departments such as Internal Medicine, Nephrology, Neurology, cardiology, geriatrics, Psychiatry and Nutrition	16	16
2	Community Pharmacy: It includes training in Dispensing, storage, accounting, book keeping and patient counseling in Primary Health care Centers and private community pharmacies	6	6
3	Industry: Manufacturing of dosage forms, packaging, distribution Analysis and Quality control	2	2

15.10.6 Training in Hospitals

The practice School - hospital is a sixteen credit training offered in the ninth semester of the B.Pharm program. The goal of this hospital rotation is to prepare the students regarding pharmacotherapy, clinical and hospital pharmacy services. In the process, students will acquire knowledge and skills related to patient counseling, drug information services, identification of drug-drug interaction, monitoring and reporting of ADRs and other drug related problems as a part of pharmaceutical care services. All parts of the practice school rotation will be done in approved MOHP teaching hospitals. The training also includes exposure to drug purchase, storage, drug distribution and record keeping in a hospital pharmacy set-up.

This training will be offered in defined time blocks and the student will receive an intensive training by rotating at different specialties such as cardiology, internal medicine, nephrology, neurology, psychiatry, geriatrics, nutrition, hospital pharmacy, etc. It also includes discussion/reflection sessions at the site of training and/or college. The students will gain practice experience providing care to a diverse patient population in inpatient and outpatient settings. The student will complete a checklist of exercises and reflection paper to assure a satisfactory breadth of experience, exposure to necessary components and activities in a hospital set-up.

15.10.7 Training in Community Pharmacy

Practice School - Community Pharmacy is a six credit training course offered in the eighth semester of the B.Pharm program. The goal of this community pharmacy training is to train the students in the provision of pharmaceutical care in a community pharmacy /primary health care setting, which is done under the guidance of an experienced preceptor. The rotation prepares the students to dispense, counsel and identify, resolve and prevent drug-related problems commonly encountered in a community pharmacy set-up. The training program integrates science with practice and prepares the students to become competent pharmacy practitioners.

This training will be offered in defined time blocks and the student will receive an intensive training by participating on the site and in the discussion/reflection sessions at the site of training and/or college. The student will complete a checklist of exercises and reflection paper to assure a satisfactory breadth of experience, exposure to necessary components and activities in private pharmacy setting and primary health care centers (PHCs).

15.10.8 Training in Pharmaceutical Industries

Practice school (Industry) is a two-credit course of industrial training offered in the eighth semester of the B.Pharm program. The goal of the industry rotation is to train the students to learn the skills about manufacturing of various dosage forms such as, tablets, capsules and injections) to understand the operation of different types of equipment employed and the unit operations carried out in the pharmaceutical industry. They also will be taught about the scale up processes from pilot plant to production scale of manufacture, the analytical and quality control procedures employed in stability testing and for the assay of the various products. This rotation also helps them to learn about the current Good Manufacturing Practices adopted to prepare quality pharmaceutical products and the different regulatory guidelines that govern the drug manufacture in an industrial set up. They will have a good exposure in documenting different processes related to validation and quality assurance.

All parts of the practice school rotation will be done in approved pharmaceutical industries. Practice school training will be delivered as per the training schedule provided by the industry and the student will receive an intensive training by rotating at different units of the industry such as raw materials, production, quality control, R & D and regulatory affairs departments. It also includes discussion/reflective sessions at the site of training and/or college. The students will gain practical experience in industrial operations. The students are assessed periodically during training and at the end by written tests, reports and seminars.

15.10.9 Assessment

The student shall submit a comprehensive report of their experience and skills learnt duly evaluated in the format below and certified by supervisor concerned. The student shall maintain a record of work which is to be verified and certified by the officer/consultant under whom they work. Apart from the scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective assessment of knowledge, skills and competence, during and at the end of training using appropriate evaluation forms. Based on the record of work and date of evaluation, the Dean shall issue a certificate of satisfactory completion of training, following which the University shall award the B.Pharm degree or declare the student eligible for it.

Satisfactory completion shall be determined on the basis of the following:-

S.No.	Description	Weightage
1	Log Book / Report / Manual - Daily Diary and PS Report	25%
2	Continuous Evaluation / Check list - Preceptor	25%
3	Seminar / Case presentation / Check list - Faculty	25%
4	Quiz / Evaluation / Check list - Preceptor	25%

- PS Scale be reduced to 4 point scale as done for courses grade point scale
- PS grade point will be included in overall GPA / CGPA calculation

15.11 Description of Courses

General Education Courses (Please refer section 12.3.3)

General Education courses is offered during the first and second year of the B.Pharm curriculum. General education courses cover English (PEN 103), Health Sciences Communication in English (PEN 203), Health Sciences Communication in Arabic (PAR 103), Islamic Culture in Medicine (PIC 203), Information Technology for Pharmacy (PIT 102), Emirates Society (PES 102), Biostatistics and Research Methodology (PBR 403).

Course Name	Foundations of Pharmacy
Course Code	PFP 102
Semester	1
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	None

Course Summary:

Foundations of Pharmacy is a two-credit course offered in the first semester of the B. Pharm program. The goal of this course is to provide the students an overview of the history and development of pharmacy as an independent profession in different settings such as hospital, community, clinical and industry, and the role of the pharmacist in health care. The course also includes how drugs are discovered and role of pharmacist in dispensing and management of medicines.

They will also learn about the process of communication with other health care professionals and patients and various career opportunities in the pharmacy profession. The course also emphasizes on the importance of herbal medicines and the general packaging and labeling of pharmaceutical products. The course also includes visits to the hospital, primary health care centers, community pharmacies and pharmaceutical industry to provide early exposure to students. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	Human Anatomy
Course Code	PHA 103
Semester	1
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	None

Course Summary:

Human Anatomy is a three-credit course offered in the first semester of the B. Pharm program. The main goal of this course is to provide fundamental knowledge on the anatomy of the musculoskeletal, digestive, cardiovascular, respiratory, reproductive, endocrine, and nervous systems of the human body, imparted from organ level during normal and abnormal body process. Students can apply this knowledge to understand the structural basis of diseases, symptoms, and treatment. Further, this becomes a base to understand subsequent part of pharmacology and pharmacotherapeutics courses framed for the subsequent years of the program. Learning is facilitated through interactive lecture sessions, practicals based on the Theory components, Self-Directed Learning, Small Group Sessions, Case-Based Learning, Team-Based Learning etc.

Course Name	General Chemistry for Pharmacy
Course Code	PGC 103
Semester	1
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	None

Course Summary:

General Chemistry for Pharmacy is a three-credit course offered in the first semester of the B.Pharm program. The goal of the course is to provide the students with the basic knowledge and skills of physical and inorganic chemistry. The course includes the basic principles, concepts, and terminology of chemistry that are essential to understand the biological and medicinal phenomena. It covers basic physical, inorganic and organic chemistry as a foundation for core pharmaceutical chemistry courses. The course involves study of periodic table, atomic structures, chemical bonds, chemical reactions, acids bases and nomenclature, properties of inorganic and organic compounds. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Case-Based Learning, Self-Directed Learning, Team Based Learning, Audio/Visual Aids and Practicals.

Semester - 2:

Course Name	Pharmaceutical Analysis - 1
Course Code	PPA 213
Semester	2
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	General Chemistry for Pharmacy (PGC-103)

Course Summary:

Pharmaceutical Analysis -1 is a three-credit course offered in the second semester of the B.Pharm program. The goal of this course is to provide the students with the basic knowledge and skills required for the identification and analysis of drugs and pharmaceuticals. The course includes an outline of the pharmaceutical impurities, pharmacopoeial standards, and the significance of errors in analysis. The course is aimed to illuminate the theory and applications of titrimetric methods, gravimetry, automation of wet chemical methods, Kjeldahl analysis, Karl Fisher titration, and electrochemical methods of analysis. Learning is facilitated through Interactive Lecture Sessions, Videos, Group Discussions, Case-Based Learning, Self-Directed Learning, Team-Based Learning and Practicals.

Course Name	Human Physiology
Course Code	PHP 204
Semester	2
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Human Anatomy (PHA -103)

Course Summary:

Human Physiology is a four-credit course offered in the second semester of the first year B.Pharm program. The course covers all major aspects of Human Physiology, including cellular structure and function, blood, digestive, cardiovascular, respiratory, urinary, endocrine, reproductive, and nervous systems of the human body. The course provides a system-based approach to the body's normal physiological processes that maintain homeostasis. Students can apply this knowledge to understand the physiological adaptations to special conditions and explain the physiological basis of medical practice, including the effects of certain drugs and the fundamentals of treatment. The course is facilitated through Interactive Lecture Sessions, Team Based Learning, Self-Directed Learning, Small Group Discussion, Practical Sessions and Course Examinations.

Course Name	Pharmaceutical Organic Chemistry
Course Code	POC 203
Semester	2
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	General Chemistry for Pharmacy (PGC -103)

Course Summary:

Pharmaceutical Organic Chemistry is a three-credit course offered in the second semester of the B.Pharm program. The goal of the course is to educate the students with fundamental knowledge of various organic functional groups, with a focus on the biological significance of these functional groups/nuclei in the structural/molecular formulae of drug molecules. The course also includes study of various physical and chemical properties, chemical reactions, methods of preparation, selected reaction mechanisms of organic compounds and their medicinal and pharmaceutical applications. The course also covers the stereo-chemical features of organic compounds, emphasizing their impact on drug activities.

Practical experiments are designed to develop skills required to synthesize, purify, and identify active pharmaceutical ingredient organic compounds. Learning will be facilitated through Interactive Lecture Sessions, Group Discussion, Self-Directed Learning, Case-Based Learning, Team-Based Learning, Audio/Visual Aids and Practicals.

Course Name	Pharmaceutical Calculations
Course Code	PPC 203
Semester	2
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	None

Course Summary:

Pharmaceutical Calculations is a three-credit course offered in the second semester of B.Pharm program. The goal of this course is to teach pharmacy students to develop the skills necessary to perform precise calculations when dealing with medications. Students will be trained to make calculations involving ratio and proportion, dosage determinations, percentage preparations, reducing and enlarging formulas, dilution and concentration, aliquots, specific gravity and density, and flow rates of intravenous solutions. This course emphasizes the calculations required to fill prescriptions and prepare pharmaceutical products in a hospital accurately and industrial setting.

The students will also be taught calculations involving mole fraction, theoretical yield calculations in synthesis, chemical quantities, empirical formula and calculations in analysis of compounds. Learning is facilitated through Interactive Lecture And Practical Sessions, Self-Directed Learning, Small Group Sessions, Team Based Learning, Case Studies and Practical Sessions.

Semester - 3:

Course Name	Pharmaceutical Microbiology
Course Code	PMI 303
Semester	3
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	None

Course Summary:

Pharmaceutical Microbiology is a three-credit course offered in the third semester of B.Pharm program. The goal of this course is to make students become familiar with the microbiological aspects related to the practice of pharmacy profession. The students are introduced to morphological and cultural aspects of the bacterial and fungal species that are of importance in pharmacy and medicine. The course covers their structure, isolation, characterization cultivation and identification. The course also deals with sterilization, disinfection and infection control techniques. The basic and applied aspects of immunology are taught. Learning is facilitated through Interactive Lecture Sessions, Practicals, Group Discussions, Case Studies, Self-Directed Learning and Team Based Learning.

Course Name	Pharmacology and Therapeutics -1
Course Code	PPT 314
Semester	3
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Human Anatomy (PHA -103) Human Physiology (PHP -204)

Course Summary:

Pharmacology and Therapeutics-1 is a four-credit course offered in the third semester of the B.Pharm program. The goal of this course is to focus on general aspects of pharmacology, cell injury and adaptation, inflammation and repair, hypersensitivity and autoimmunity and drugs acting on the autonomic nervous system. They also will learn about the various aspects of therapeutics such as general prescribing guidelines in special populations, nutrition support, vaccines, drug allergies and disorders of hemostasis and coagulation. Learning is facilitated through Interactive Lecture Sessions, Case Based Learning, Group Discussions, Self-Directed Learning and Team Based Learning.

Course Name	Introduction to Social Pharmacy
Course Code	PSP – 302
Semester	3
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Foundations of Pharmacy (PFP-102) Emirates Society (PES-102)

Course Summary:

Introduction to the Social Pharmacy is a two-credit course offered in the third semester of the B.Pharm program. The goal of this course is to emphasize the responsibility of the pharmacy profession related to drug matters in the local population. The course highlights the social factors that influence drug use and allows the students to understand the active role of the pharmacist in health care and health promotion. It helps students understand the patient's attitudes and beliefs and play an active role in providing the best health care services. The course also helps students to understand the UAE healthcare system, social and behavioral factors governing health, social inequalities in health. In addition, it covers how social and behavioral sciences are applied to resolve problems in the pharmacy profession. Learning is facilitated through Interactive Lecture Sessions, Written Test, Small Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	Pharmaceutics - 1
Course Code	PPH 313
Semester	3
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Foundations of Pharmacy (PFE - 102) Pharmaceutical Calculations (PPC-203)

Course Summary:

Pharmaceutics-1 is a three-credit course offered in the third semester of B. Pharm program. The goal of this course is to train the students in the preparation and dispensing of dosage forms based on sound scientific principles.

The course deals with the fundamental physicochemical principles of dosage form design. Students are taught on areas like the different states of matter and their physical properties and influence on the solubility, dissolution and distribution of drugs. The course will also focus on the basic design and formulation of different liquid and powder dosage forms based on the principles of physical properties and compatibility of different excipients.

Different aspects of dispensing of dosage forms preparation are also covered. The course is designed to educate students about the theoretical aspects involved in the formulation of solutions, powders and granules. Lectures and practical sessions will help to understand the use and importance of different excipients in the formulation of different liquid and powder dosage forms. Learning is facilitated through Interactive Lecture Sessions, Practicals Group Discussions, Self-Directed Learning, Case Studies and Team Based Learning.

Course Name	Biochemistry and Clinical Chemistry
Course Code	PBC 303
Semester	3
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Human Anatomy (PHA-103) Human physiology (PHP-204)

Course Summary:

Biochemistry and Clinical Chemistry is a three credit course offered in the third semester of the second year. The biochemistry part of the course deals with complete understanding of the molecular level of the chemical process associated with living cells, while clinical chemistry deals with the study of biochemical aspects of human life in health and illness and also about the application of biochemical methods of diagnosis of various abnormalities and principles behind such tests.

The course goal is to provide fundamental knowledge of the biochemical bases of normal and abnormal conditions at cellular level. The course topics are so coordinated to reinforce the topics that students studied in anatomy and physiology and help understand the mechanism of action of drug substances at a cellular level studied in pharmacology and medicinal chemistry. Learning is facilitated through interactive lecture and practical sessions, group discussions, self-directed learning, team based and case based learning.

Course Name	Introduction to Pharmacy Practice
Course Code	PPP 302
Semester	3
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Foundations of Pharmacy (PFP 102)

Course Summary:

Introduction to pharmacy practice is a two credit course offered in the third semester of B.Pharm program. The goal of this course is to provide the students with the fundamental knowledge of core pharmacy practice areas such as hospital, community and clinical pharmacy. The students will be taught about the different roles and responsibilities of the hospital, community, and clinical pharmacist. The course also focuses on various components of hospital pharmacy, community pharmacy management, and basic clinical pharmacy activities required to be a competent pharmacist. The teaching and learning are also supported by the hospital and community pharmacy visit and submission of a report. Learning is facilitated through interactive lecture sessions, group discussions, role-play, self-directed learning and team-based learning.

Semester - 4:

Course Name	Pharmacology and Therapeutics -2
Course Code	PPT 424
Semester	4
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Pharmacology and Therapeutics-1 (PPT 314)

Course Summary:

Pharmacology and Therapeutics-2 is a four-credit course offered in the fourth semester of the B.Pharm program. The goal of this course is to provide the knowledge pertaining to the etiology, pathogenesis, pharmacology and therapeutics of cardiovascular, renal and hematological diseases/disorders. The basic objective of this course is to provide necessary professional skills required for resolving drug-related problems and suggest alternative options for the management of diseases/disorders covered in the course. Learning is facilitated through Interactive Lecture Sessions, Case Based Learning, Self-Directed Learning and Team Based Learning.

Course Name	Pharmaceutical Analysis - 2
Course Code	PPA 423
Semester	4
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutical Analysis 1 (PPA-213)

Course Summary:

Pharmaceutical Analysis-2 is a three-credit course offered in the fourth semester of B. Pharm program. The goal of the course is to provide the students with the basic knowledge and skills of various instrumentation techniques. The course includes principle, theory, instrumentation, and pharmaceutical applications of the chromatographic, spectroscopic, electrophoresis thermoanalytical techniques used in the identification and analysis of pharmaceuticals. The course also includes an overview of quality control and quality assurance in the analysis of pharmaceuticals. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Videos, Self-Directed Learning, Team-Based Learning, Workshops and Practical.

Course Name	Pharmaceutic s - 2
Course Code	PPH 423
Semester	4
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutics-1 (PPH 313)

Course Summary:

Pharmaceutics-2 is a three-credit course offered in the fourth semester of B. Pharm program. The goal of this course is to equip the students with advanced physicochemical principles related to dosage form design. It will focus on theories of surface and interfacial tension, rheological characteristics of different systems and the importance of these in the formulation, production, efficacy, stability of the disperse pharmaceutical dosage forms. The course exposes students to physical properties and formulation of suspensions, emulsions, suppositories. Lectures and practicals focus on physicochemical properties and thermodynamic characteristics that affect the methods of formulation of pharmaceutical biphasic preparations and semi solid products. Learning is facilitated through Interactive Lecture Sessions, Practical, Group Discussions, Self-Directed Learning and Team Based Learning.

Course Name	Pharmacy Laws and Ethics
Course Code	PLE 402
Semester	4
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	None

Course Summary:

Pharmacy Laws and Ethics is a two-credit course offered in the fourth semester of the B.Pharm program. The goal of this course is to provide the students with knowledge of legal activities related to the pharmacy profession and other functions performed with members of the health care team. As part of the curriculum, the students are taught about ethical theory, key moral concepts in health care, moral reasoning, professionalism, accountability and professional decision-making process. The students will also be exposed to case studies in decision making. In addition, this course also provides knowledge relating to drugs, pharmaceuticals, cosmetics and other different professional matters as per the UAE laws and regulations. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	Pharmacy Practice - 1
Course Code	PPP 413
Semester	4
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Introduction to Pharmacy Practice (PPP 302)

Course Summary:

Pharmacy Practice-1 is a three-credit course offered in the fourth semester of the B. Pharm program. The goal of this course is to provide the knowledge and skills of various laboratory parameters and their interpretation. In addition, students will understand the procedure and components of patient counseling. Students will also be exposed to the concept of total parenteral nutrition. In the process, students will learn about patient assessment including vital signs, general and physical examination. The course also includes case based learning and hands-on training sessions. Learning is facilitated through Interactive Lectures, Group Discussions, Self-Directed Learning and Team Based Learning.

Semester - 5:

Course Name	Innovations and Entrepreneurship in Pharmacy
Course Code	PIE 503
Semester	5
No. of Credits	3 (Theory 3 + Practical 0)
Course Prerequisites	None

Course Summary:

Innovation and entrepreneurship in pharmacy is a three credit course offered in the fifth semester of B.Pharm program. The goal of this course is to provide an overview of entrepreneurship in general, the traits of an entrepreneur, current topics in entrepreneurship with a specific focus on innovative pharmacy practice and patient care programs. The course also introduces students to innovative practices in the delivery of the professional responsibilities. This course is designed to provide the students the personal and business tools to make the transition from the academic environment to the daily practice of pharmacy. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Guest Lectures and Team Based Learning and visits to industrial and pharmacy business establishments to learn about the skills of entrepreneurship and innovative practices.

Course Name	Herbal Pharmacotherapy
Course Code	PHP 502
Semester	5
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Foundations of Pharmacy (PFP 102) Pharmacology and Therapeutics- 1 (PPT 314) Pharmacology and Therapeutics- 2 (PPT 424)

Course Summary:

Herbal Pharmacotherapy is a two-credit course offered in the fifth semester of the B.Pharm program. The goal of the course is to provide the students with the basic knowledge of herbal medicines, history, and their clinical significance in modern pharmacy practice and nutraceuticals. The course includes essential herbal medicines describing their historical background, sources, chemical constituents, therapeutic uses, toxicity, adverse effects, metabolomics applications, and quality control. In addition, this course also covers approaches to predict the nature and type of potential herb-drug interactions.

Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Audio-Visual, Self-Directed Learning, Case Studies, Team-Based Learning, Guest Lectures, and a visit to the Herbal Pharmaceutical Industry.

Course Name	Pharmaceutical Biotechnology – 1
Course Code	PBT 513
Semester	5
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutical Microbiology (PMI-303) Biochemistry and Clinical Chemistry (PBC-303)

Course Summary:

Pharmaceutical Biotechnology-1 is a three-credit course offered in the fifth semester of the B.Pharm program. The goal of this course is to teach principles of biotechnology to produce drugs and pharmaceuticals. The course teaches on various aspects of blood products, glandular products, and enzyme biotechnology, downstream for biopharmaceuticals. The students will be taught about the recent developments and application of biotechnology, which produce wonder drugs, especially in replacement therapy, hormonal products and immunological products.

Opportunity will be provided for the students to integrate the knowledge of pharmaceutical biotechnology along with medicinal chemistry, pharmacology and pharmacy practice. Learning is facilitated through Interactive Lecture and Practical Sessions, Group Discussions, Self-Directed Learning and Integrated Team and Case-Based Learning. The teaching, learning is supported by the Industrial Visits, Guest Lectures and submission of report, to complement the learning and understanding the course.

Course Name	Pharmacology and Therapeutics - 3
Course Code	PPT 534
Semester	5
No. of Credits	4 (Theory 3+Practical 1)
Course Prerequisites	Pharmacology and Therapeutics1 (PPT-314) Pharmacology and Therapeutics2 (PPT-424)

Course Summary:

Pharmacology and Therapeutics-3 is a four-credit course offered in the fifth semester of B.Pharm program. The goal of this course is to provide the knowledge pertaining to the etiology, pathogenesis, pharmacology and therapeutics of dermatology, musculoskeletal, respiratory and ophthalmic diseases/disorders. In addition, opioids, autacoids, local anesthetics and principles of bioassay and toxicology will also be covered during the course. Students will acquire the necessary skills required to deal with patients suffering from these disease conditions in the process. Learning is facilitated through Interactive Lecture Sessions, Case Based Learning, Group Discussions, Self-Directed Learning and Team Based Learning.

Course Name	Pharmacy Practice -2
Course Code	PPP 523
Semester	5
No. of Credits	3 (Theory 2+Practical 1)
Course Prerequisites	Introduction to Pharmacy Practice (PPP-302) Pharmacy Practice-1 (PPP-413)

Course Summary:

Pharmacy Practice-2 is a three-credit course offered in the fifth semester of the B.Pharm program. This course aims to provide knowledge of various areas of pharmacy practice such as hospital, community, and clinical pharmacy services. This course also includes specialized fields of pharmacy practice like pharmacovigilance, medication adherence, medication therapy management, automated dispensing, drug utilization review, pharmacoepidemiology, pharmacoconomics, personalized medicine, pharmacoinformatics, etc. During this course, students will be trained in different areas of pharmacy practice and will develop skills required to perform the professional role. Learning is facilitated through Interactive Lecture Sessions, Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	Medicinal Chemistry – 1
Course Code	PMC 514
Semester	5
No. of Credits	4 Theory (Theory 3 + Practical 1)
Course Prerequisites	Pharmaceutical Organic Chemistry (POG-203)

Course Summary:

Medicinal Chemistry-1 is a four credit course offered in the fifth semester of the B.Pharm program. The goal of the course is to provide the students with a thorough understanding of structure activity relationships, thereby introducing students to structure based therapeutic evaluation. The course is designed to illustrate the significance of chemical structure, physicochemical properties and pharmacophore requirements in drug action and metabolism. The course includes the development, chemical classification, synthesis, analysis and chemical significance of important classes of medicinal compounds. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Team Based Learning, Audio Visual, Practical and Case Based Learning.

Course Name	Pharmacy Administration
Course Code	PAP 602
Semester	6
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	None

Course Summary:

Pharmacy Administration is a two-credit course offered in the fifth semester of the B. Pharm program. The goal of this course is to provide the knowledge of various administrative services related to pharmacy, including the health care system and policies followed in hospitals, clinical settings and pharmaceutical industries. The various topics covered in this course are health care finance and reimbursement, consumer behavior, regulatory and administrative issues, leadership and management skills etc. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning and team based learning.

Semester - 6:

Course Name	Pharmaceutics - 3
Course Code	PPH 633
Semester	6
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutics -1 (PPH -312) Pharmaceutics-2 (PPH -423)

Course Summary:

Pharmaceutics-3 is a three credit course offered in the sixth semester of B.Pharm program. The goal of this course is to provide the information related to formulation aspects of solid oral and parenteral, ophthalmic and semi-solid dosage forms. This course will focus on physical properties of the powders and granules for tablet production, excipients and granulation techniques. It will focus on the formulation of different types of capsules, production, and filling of gelatin capsules, quality control tests for capsules and tablets.

The course will also highlight the modified-release (per oral and parenteral) delivery systems for targeting specific sites, their design and formulation. Fundamental aspects of radioactive products and their quality control are taught in this course. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and integrated team based learning. The teaching, learning is supported by the industrial visits and submission of the report, to enable students to observe and learn industrial practices.

Course Name	Pharmacy Administration
Course Code	PAP 602
Semester	6
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	None

Course Summary:

Pharmacy Administration is a two-credit course offered in the fifth semester of the B. Pharm program. The goal of this course is to provide the knowledge of various administrative services related to pharmacy, including the health care system and policies followed in hospitals, clinical settings and pharmaceutical industries. The various topics covered in this course are health care finance and reimbursement, consumer behavior, regulatory and administrative issues, leadership and management skills etc. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning and team based learning.

Course Name	Pharmaceutical Biotechnology -2
Course Code	PBT 623
Semester	6
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutical Biotechnology1 (PBT 513)

Course Summary:

Pharmaceutical Biotechnology-2 is a three credit course offered in the sixth semester of the B.Pharm program. The goal of the course is to provide the knowledge of fermentation technology, recombinant DNA technology (rDNA technology) and related biotechnological processes. The students will be taught theoretical principles involved in genetic engineering, animal tissue culture, proteomics and antisense technologies. The recent developments and application of biotechnology in pharmacogenomics and personalized medicine will be taught.

The regulatory and financial issues of biopharmaceuticals will be dealt in this course. Opportunity will be provided for the students to integrate the knowledge of pharmaceutical biotechnology along with medicinal chemistry, pharmacology and pharmacy practice. Learning is facilitated through interactive lecture and practical sessions, practicals, group discussions, self-directed learning and team and case-based learning. The teaching, learning is supported by the industrial visits, guest lectures and submission of report, to better understand the course related to the practice of industrial biotechnological processes.

Course Name	Pharmacology and Therapeutics -4
Course Code	PPT 644
Semester	6
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Pharmacology and Therapeutics- 1 (PPT-314) Pharmacology and Therapeutics- 2 (PPT -424) Pharmacology and Therapeutics- 3 (PPT -534)

Course Summary:

Pharmacology and Therapeutics-4 is a four-credit course offered in the sixth semester of the B.Pharm program. This course aims to provide knowledge related to etiology, pathogenesis, pharmacology, and therapeutics of endocrine and infectious diseases. In addition to this, the students will also acquire knowledge of antimicrobial resistance and different approaches to tackle antimicrobial resistance, including antibiotic stewardship. Students will acquire the necessary skills required to deal with patients suffering from these disease conditions in the process. Learning is facilitated through Interactive Lecture Sessions, Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	Pharmacy Practice - 3
Course Code	PPP 633
Semester	6
No. of Credits	3 (Theory 2+Practical 1)
Course Prerequisites	Introduction to Pharmacy Practice (PPP 302) Pharmacy Practice - 1 (PPP 413) Pharmacy Practice - 2 (PPP 523)

Course Summary:

Pharmacy Practice-3 is a three-credit course offered in the sixth semester of the B.Pharm program. This course aims to provide the knowledge and skills required to provide various pharmaceutical care services in a community pharmacy set-up, such as health screening and responding to different minor ailments or disease conditions commonly encountered. The course also attempts to familiarize the students regarding different categories of medications like over-the-counter, prescription-only, and pharmacist-only medications based on the United Arab Emirates health care system and the role of artificial intelligence in pharmacy. The teaching and learning is also supported by the community pharmacy visit and submission of a report also through Interactive Lecture Sessions, Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning

Course Name	Medicinal Chemistry - 2
Course Code	PMC 624
Semester	6
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Pharmaceutical Organic Chemistry (POC 203) Medicinal Chemistry - 1 (PMC 514)

Course Summary:

Medicinal Chemistry-2 is a four credit course offered in the sixth semester of the B. Pharm program. The goal of the course is to provide the students with a thorough understanding of structure activity relationships, thereby introducing students to structure based therapeutic evaluation. The course is designed to illustrate the significance of chemical structure, physicochemical properties and pharmacophore requirements in drug action and metabolism. The course includes the development, chemical classification and chemical significance of various prodrugs, medicinal and chemotherapeutic agents. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Team Based Learning, Computer-Assisted Learning, Audio Visuals, Case-Based Learning and Practical.

Semester - 7:

Course Name	Pharmaceutics - 4
Course Code	PPH 744
Semester	7
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Pharmaceutics - 1 (PPH 313) Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633)

Course Summary:

Pharmaceutics-4 is a four credit course offered in the seventh semester of B.Pharm program. The goal of this course is to provide the students with the knowledge of the science and technology of formulation and manufacture of cosmetics and personal care products. Lectures will focus on the cosmetic ingredients, the active substances in cosmetic products, cosmetic product formulation and technology. The course also covers the formulation of decorative cosmetics such as face powders, lipsticks, mascara, and hair care products such as shampoos.

The principles of aerosol formulation and manufacture will be covered in this course. The various unit operations involved in cosmetic manufacture like size reduction, mixing and evaporation will be taught. Students will be introduced to the concepts of stability testing and quality control of cosmetic products. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and team based learning. The teaching learning is supported by the visits to cosmetic industry and submission of report, to augment the understanding of the course.

Course Name	Pharmaceutical Marketing and Management
Course Code	PMM 703
Semester	7
No. of Credits	3 (Theory 3 + Practical 0)
Course Prerequisites	Innovations and Entrepreneurship in Pharmacy (PIE 503) Pharmacy Administration (PAP 602)

Course Summary:

Pharmaceutical Marketing and Management is a three credit course offered in the seventh semester of B.Pharm program. The goal of the course is to provide an insight into the management aspects applicable to pharmaceutical operations and marketing. Students are taught the theoretical principles of planning and organization. Students are exposed to principles of material management, purchase and inventory control. The basic issues of marketing pharmaceutical products and elements required to be a successful sales person are taught.

The course teaches students about selection of proper channel of distribution and managing a team of marketing personnel to achieve the desired targets. Students are also taught about the basics of accountancy to handle different financial documents such as cash book and profit and loss account. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, case studies, guest lectures and team based learning. Students will be taken to field visits with professionals in pharmaceutical marketing to augment their learning.

Course Name	Pharmacology and Therapeutics - 5
Course Code	PPT 754
Semester	7
No. of Credits	4 (Theory 3 + Practical 1)
Course Prerequisites	Pharmacology and Therapeutics- 1 (PPT 314) Pharmacology and Therapeutics- 2 (PPH 424) Pharmacology and Therapeutics - 3 (PPT 534) Pharmacology and Therapeutics- 4 (PPT 644)

Course Summary:

Pharmacology and Therapeutics-5 is a four-credit course offered in the seventh semester of the B.Pharm program. The goal of this course is to provide the knowledge and skills in the area of etiology, pathogenesis, pharmacology and therapeutics related to the central nervous system and gastro intestinal system. In addition, it provides the knowledge of basic principles of general anesthesia, oncology and drugs acting on the immune system. Learning is facilitated through interactive lecture sessions, case-based learning, group discussions, self-directed and team based learning.

Course Name	Research Project
Course Code	PRP 704
Semester	7
No. of Credits	4 (Theory 0 + Practical / Clinical 4)
Course Prerequisites	Biostatistics and Research Methodology (PBR 402)

Course Summary:

Minor Research Project is a three-credit course offered in the seventh semester of the B.Pharm program. The goal of this course is to provide pharmacy students with a means to explore and develop research skills through identifying a research topic, conducting a literature review, writing a research proposal, carrying out, writing, and presenting the research project. In addition, the course will help students to recognize the nature and significance of the research, provide the foundation for future research endeavors, and improve their abilities to work as members of a team and communicate research results. Furthermore, the college intends for the research to be of high enough quality in the field of pharmaceutical sciences.

Each student must undertake a project that involves investigation into a specific research topic in some aspect of pharmaceutical / clinical sciences. This can take the form of a literature-based review, laboratory-based work, or a small-scale questionnaire-based epidemiological, hospital, or community-based study. Each student or a group of students will be assigned to a faculty supervisor/s who will provide the relevant framework for a suggested study. The students will be encouraged to formulate their own ideas. The aims/objectives will be designed jointly with their supervisors. The research project will be evaluated based on the report and presentation, which can be either oral/ poster presentation.

Course Name	Biopharmaceutics and Pharmacokinetics
Course Code	PBK 703
Semester	7
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633)

Course Summary:

Biopharmaceutics and Pharmacokinetics is a three-credit course offered in the seventh semester of B.Pharm program. The goal of this course is to provide students with the basic understanding of the principles of biopharmaceutics and pharmacokinetics that can be applied to both drug product development and effective drug therapy. The course will discuss the pharmacokinetics of drug disposition following one, two, multiple and non-linear pharmacokinetic models. The students are trained on calculation of disposition parameters of the drugs using the different models for different routes of administration.

The course also covers factors influencing the design of both single and multiple dosage regimen. Practicals performed in this course will enable students to learn about the biopharmaceutical aspects of dosage form development and train them to perform various pharmacokinetic calculations. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and team based learning.

ELECTIVES**Semester - 8:**

Course Name	Pharmacovigilance
Course Code	PPV 802
Semester	8
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Introduction to Pharmacy Practice (PPP 302) Pharmacy Practice - 1 (PPP 413) Pharmacy Practice - 2 (PPP 523) Pharmacy Practice - 3 (PPP 633)

Course Summary:

Pharmacovigilance is a two-credit course offered in the eighth semester of the B. Pharm program. The goal of this course is to provide the students with comprehensive knowledge and skills related to various concepts and methodologies of pharmacovigilance. The students will be taught about the monitoring, detection, reporting of adverse drug reactions. The course also focuses on various components of pharmacovigilance like coding, indicators, and tools for reporting and documentation adverse drug reactions. The teaching and learning are also supported with a hands-on workshop, webinar, computer-assisted learning, and a report/ presentation submission. Learning is facilitated through interactive lecture sessions, group discussions, guest lectures, workshops, self-directed learning, and team-based learning.

Course Name	Drug Discovery and Development
Course Code	PDD 802
Semester	8
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Medicinal Chemistry - 1 (PMC 514) Medicinal Chemistry - 2 (PMC 624) Pharmacology and Therapeutics - 1 (PPT 313) Pharmacology and Therapeutics - 3 (PPT 423)

Course Summary:

Drug Discovery and Development is a two credit course offered in the eighth semester of the B.Pharm program. The goal of the course is to provide the students with fundamental knowledge of evolution of drug from bench to clinic. The course includes the methods of lead discovery and drug design strategies for optimization of target interactions and drug access to the target using analogue and structure based drug design approaches, preclinical and clinical studies based on the regulatory considerations. The course also includes an overview of the use of computers in drug design. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, team based learning, audio visual, and case based learning.

Course Name	Clinical Pharmacokinetics
Course Code	PCP 803
Semester	8
No. of Credits	3 (Theory 2 + Practical 1)
Course Prerequisites	Biopharmaceutics and Pharmacokinetics (PBK 503)

Course Summary:

Clinical Pharmacokinetics is a three-credit course offered in the eighth semester of B.Pharm program. The goal of this course is to teach principles and applications of pharmacokinetics in determining and modifying the clinical outcomes. The course deals with application of pharmacokinetic principles on drug disposition following one compartment and multi compartment models and students are trained to perform calculations related to therapeutic drug monitoring and understand its clinical significance.

The students are taught about the design of drug therapy regimen for individual patient, interpret and correlate the plasma drug concentration with patient's therapeutic outcome and recommend dosage adjustment for patients with renal/ hepatic impairment. The course teaches on how biopharmaceutical aspects of different dosage forms influence in achieving optimal therapeutic benefits especially in special populations. Students are also exposed to critical issues involved in the pharmacokinetics of biologicals. Learning is facilitated through interactive lecture sessions, practicals, group discussions, cases studies, self-directed learning, integrated team based and case based learning and hospital visits.

Course Name	Complementary and Alternative Medicine
Course Code	PCM 802
Semester	8
No. of Credits	2 (Theory 2 + Practical 0)
Course Prerequisites	Herbal Pharmacotherapy (PHP 503)

Course Summary:

Complementary and Alternative Medicine (CAM) is a two-credit elective course offered in the eighth semester of B.Pharm program. The goal of the course is to provide the students with comprehensive knowledge and skills related to complementary and alternative medicines. The students will be taught about the fundamentals of CAM, various CAM practices in GCC, history and types of prophetic medicine, aromatherapy, nutritional therapy and apitherapy. The course also focuses on various research models in CAM, Frauds and misconceptions related to CAM products. This teaching and learning is supported by workshops, seminars and submission of report or presentations. Learning is facilitated through interactive lecture sessions group discussions, self-directing learning and team base learning, case base learning and field visits.

Course Name	Practice School - Community Pharmacy
Course Code	PSC 806
Semester	8
No. of Credits	6
Course Prerequisites	All Pharmacy Practice related courses of the earlier semesters

Course Summary:

Practice School - Community Pharmacy is a six-credit-community pharmacy rotation offered in the eighth semester of the B.Pharm program. The goal of this rotation is to train the students in the provision of pharmaceutical care in a community pharmacy / primary health care setting, which is done under the guidance of an experienced preceptor. The rotation prepares the students to dispense, counsel and identify, resolve and prevent drug-related problems commonly encountered in a community pharmacy setup. The rotation integrates science with practice and prepares the students to become competent pharmacy practitioners.

This rotation will be offered in defined time blocks, and the student will receive intensive training by participating on the site and in the discussion/reflection sessions at the site of rotation and/or college. In addition, the student will complete a checklist of activities and reflection paper to ensure sufficient breadth of experience, exposure to necessary components and activities in a private community pharmacy setting and primary health care centers (PHCs).

Course Name	Practice School - Industry
Course Code	PSI 802
Semester	8
No. of Credits	2
Course Prerequisites	Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633) Pharmaceutics - 4 (PPH 744) Pharmaceutical Biotechnology- 1 (PBT 513) Pharmaceutical Biotechnology- 2 (PBT 623)

Course Summary:

Practice school (Industry) is a two credit industrial rotation offered in the eighth semester of the B. Pharm program. The goal of the industry rotation is to train the students to learn the skills about manufacturing of various dosage forms such as, tablets, capsules and injections and to understand the operation of different types of equipment employed and the unit operations carried out in pharmaceutical industry. They also will be taught about the scale up processes from pilot plant to production scale of manufacture, the analytical and quality control procedures employed in stability testing and for the assay of the various products. This rotation also helps them to learn about the current Good Manufacturing Practices adopted to prepare quality pharmaceutical products and the different regulatory guidelines that govern the drug manufacture in an industrial set up. They will have a good exposure in documenting different processes related to validation and quality assurance.

All parts of the practice school rotation will be done in approved pharmaceutical industries. Practice school training will be delivered as per the rotation schedule provided by the industry and the student will receive an intensive training of 70 hours by rotating at different units of the industry such as raw materials, production, quality control, R & D and regulatory affairs departments. It also includes discussion/reflective sessions at the site of training and/or college. The students will gain practical experience in industrial operations. The students are assessed daily during the rotations and at the end by written tests, reports and seminars.

Semester – 9	
Course Name	Advanced Practice School - Internal Medicine
Course Code	APSI 914
Semester	9
No. of Credits	4 (Theory 0 + Practical 4)
Course Prerequisites	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Internal Medicine is a four-credit rotation offered in the ninth semester of the B Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students to provide pharmaceutical care services related to common disease conditions encountered in the internal medicine department. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in general medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in general medicine settings. The student will complete a checklist of activities and assessments to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	Advanced Practice School - Internal Medicine Specialty
Course Code	APSI 924
Semester	9
No. of Credits	4 (Theory 0 + Practical 4)
Course Prerequisites	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Internal Medicine Specialty is a four-credit rotation offered in the ninth semester of the B. Pharm program. This course is a part of the Practice School - Hospital and is a core rotation, which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students regarding pharmacotherapy of common disease conditions encountered in specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care issues in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics. The student will complete a checklist of activities and assessments to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	Advanced Practice School - Ambulatory Care
Course Code	APSA 934
Semester	9
No. of Credits	4 (Theory 0 + Practical 4)
Course Prerequisites	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Ambulatory Care is a four-credit rotation offered in the ninth semester of the B.Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students regarding pharmacotherapy of common disease conditions encountered in ambulatory care setting. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in ambulatory care setting. The student will complete a checklist of activities and assessments to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	Advanced Practice School - Hospital Pharmacy and Drug Information
Course Code	APSH 942
Semester	9
No. of Credits	2 (Theory 0 + Practical 2)
Course Prerequisites	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Hospital Pharmacy and Drug Information is a two-credit rotation offered in the ninth semester of the B. Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to attend compulsorily. The goal of this rotation is to make the student understand the professional roles of hospital pharmacist and delegate the same diligently to provide effective services to the healthcare personnel and the patients. The students will acquire knowledge and skills related to various hospital pharmacy services such as drug dispensing, drug distribution, drug procurement, hospital formulary, information technology, medication errors and provision of drug information services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in hospital pharmacy setting. The student will complete a checklist of activities, assessments and reports to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	Advanced Practice School - Electives
Course Code	APSE 952
Semester	9
No. of Credits	2 (Theory 0 + Practical 2)
Course Prerequisites	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Electives is a two-credit rotation offered in the ninth semester of the B. Pharm program. These elective rotations are part of the Practice School - Hospital and students can choose any of the two given five elective rotations namely; Geriatric Medicine, Obstetrics and Gynecology, Ophthalmology, ENT and Nutrition. Each of the elective rotation will be conducted over one week. During the course of these electives, students will acquire knowledge and skills related to pharmacotherapy of common disease conditions encountered in Geriatric Medicine, Obstetrics and Gynecology, Ophthalmology, ENT and significance of Nutrition in drug therapy. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population. The student will complete a checklist of activities and assessments to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

16. RAK College of Nursing

Dean's Message

I am privileged and honored to welcome at Nursing College of Ras Al Khaimah Medical & Health Sciences University.

The RAK College of Nursing has grown significantly since its foundation in 2007 when it established a baccalaureate-nursing program. Currently, we have two undergraduate level educational programs: BSN degree for the high school graduates and RN-BSN Bridge program (diploma-trained registered nurses). We are proud to make a mention about our Master of Science in Nursing degree program in many specialties (Adult Health Nursing, Pediatric nursing, Community Health Nursing and Psychiatric Mental Health Nursing and Master of Science in Midwifery). This is the first Master's program in nursing in UAE.



At the present time, nursing, considered as one of the main pillars of health care system in any country and has a major contribution in the development of health and the transformation of health services to meet the needs and expectations of individuals, families and communities. The goal of RAK College of Nursing is to prepare students to become compassionate and excellent nurses who are caring and equipped with current evidence-based knowledge and high level of competencies to provide safe and quality healthcare services therefore, our curriculum for different level degree programs is unique, dynamic, reflecting the needs of our changing health care system. Our curriculum balances theory with clinical. The college is equipped with state-of-the art equipment to give students experience from practicing basic assessment skills to managing patients with complex critical care needs utilizing simulation experiences.

Our philosophy is based on collaboration and partnership with stakeholders in healthcare and our community at the national and international levels as well as benchmarking with distinguished and prestigious nursing colleges to graduate professional nurses and leaders in an environment characterized by respecting diversity, academic socialization, happiness and empowerment to achieve the best learning outcomes.

Sincerely

Dr. Ibrahim Al Faouri : Dean – RAK College of Nursing

Vision

To be recognized as a leading and unique institution offering high standard nursing education and quality nursing research in UAE and Middle East region.

Mission

To provide different levels of nursing educational programs with a strong theoretical base and diverse clinical experience that contributes to excellence and leadership in professional practice of nursing.

To serve the men and women students of diverse backgrounds who possess the academic and personal attributes necessary to complete the education and become skilled and principled nursing professional, lifelong learner contributing to the society of UAE and the neighboring Gulf countries.

Bachelor of Science in Nursing (BSN) Degree Program

16.1 BSN (Stream A)

16.1.1 Program Duration

BSN Degree Program (Basic) is of four years duration, which also includes the general education.

16.1.2 The Goals

The curriculum has been developed to provide learning opportunities enabling nursing students to acquire fundamental basic skills and appreciate principles relevant to health care in the context of the community

The four-year curriculum has been designed to achieve the following goals:

1. To provide quality education in nursing, comparable with the international levels.
2. To ensure that each student nurse is exposed to a wide range of learning opportunities in both practice and theory.
3. To promote the development of professional knowledge and practice through evidence -based learning and problem-solving approaches.
4. To collaborate with health care providers in determining the educational needs of nurses, thus reflecting national and local workforce trends and priorities.
5. To educate students to utilize research within a stimulating and supportive environment for improving the quality of patient care, implementing change in nursing practice and for making nursing practice decisions.
6. To focus on the commitment to the principle of 'lifelong learning' by providing appropriate continuing professional development modules and pathways.
7. To develop students to use concepts from the humanities and the behavioral sciences to understand oneself and others, the relationship between people, and the functioning of communities.
8. To develop an understanding of and practice professional ethics.

16.1.3 Program Learning Outcomes

Knowledge:

On successful completion of the BSN program, the graduate will be able to:

1. Describe the basic terminology, key ideas, acknowledging sources, on accuracy, on rational argument, development of questioning attitude.
2. Describe the facts, terms and basic principles with ability to understand, interpret and express coherently.
3. Identify, describe and utilize the literature and language of the discipline appropriately.
4. Incorporate historical, social, legal and ethical aspects of health care in professional nursing
5. Explain the basic concepts of nature and social sciences relevant to nursing.
6. Demonstrate the skills appropriate to the subject and laboratory skills and to articulate clearly.
7. Demonstrate critical thinking in the assessment, planning and evaluation of client care through the synthesis and application of validated knowledge and theories from nursing, humanities, psychological and social health sciences.

Skills:

On successful completion of the BSN program, the graduate will be able to:

1. Demonstrate the ability to establish, maintain and terminate therapeutic relationship with clients.
2. Implement nursing processes to promote, maintain and restore the health of individuals, families, groups and communities.
3. Formulate clinical judgment that is based on critical inquiry and analytical reasoning.
4. Demonstrate the ability to handle cognitive complexity to apply knowledge and skills in new situations.
5. Apply creative solution/approaches in the clinical area.
6. Apply research based knowledge and experience to reflect upon practice
7. Assess, plan, implement and evaluate program of care with clients and inter-professional health care team.
8. Demonstrate leadership and beginning competencies in managing health care team, managing resources and coordinating health care.
9. Demonstrate effective health care teaching skills to promote behavioral and attitudinal changes in patients and other health team members
10. Demonstrates quality of care based on policies and procedures
11. Demonstrates and applies information technology in a variety of health care settings

Competence:

On successful completion of the BSN program the graduate will be able to:

Autonomy and responsibility:

1. Work independently as well as part of a team in a range of contexts
2. Take and defend positions to formulate creative solutions to problems
3. Assume responsibility for own learning both independent and collaborative.
4. Use critical thinking as a basis for identifying health-related needs of individuals, families, and communities.
5. Integrate ethical, legal and economic accountability into professional nursing practice.
6. Engage in activities to promote the development of the profession of nursing

Self-Development:

1. Take responsibility for his/her own future learning needs in new situations
2. Learn from experiences gained in different contexts and assimilate new knowledge and skills into their practice
3. Audit his/her own skills, analyze and monitor personal development.
4. Value the ideals of lifelong learning to support excellence in nursing practice.
5. Takes responsibility in developing, promoting and delivering innovative nursing practices

Role in context:

1. Demonstrate professional attributes relevant to their role
2. Articulate personal standpoint in the context of respect for views of others
3. Set team objectives and take responsibility for team performance in the workplace
4. Interact with professional colleagues in a range of settings
5. Demonstrate the ability to comprehend multiple perspectives and formulate effective actions.

16.1.4 The Curriculum

The BSN program promotes the development of nursing as a caring, person-centered, scientifically based profession with an emphasis on problem-based, small group, self-directed learning.

The curriculum has been planned in such a way that the study of nursing, psychological, social sciences and humanities are interrelated and spans the entire program.

In the first year, the amount of nursing experience is relatively small; the major portion is in the general education, behavioral and basic sciences. The nursing component increases progressively through second, third and fourth years.

16.1.5 Instructional Methods Based on the Objectives

RAKMHSU is committed to being responsive to students' needs and preparing students to assume future societal leadership roles to meet political, economic, social and technological challenges.

Faculty members are committed to make learning environment more interactive, to integrate technology into learning experience, and to use collaborative learning strategies when appropriate.

Instructional methodologies like lecture cum discussion, demonstration, Team Based Learning (TBL), self - Directed Learning, Evidence-Based Learning, and small group teaching integrated according to the learning outcomes of the courses.

16.1.6 Clinical Experience

Based on the reformation done for the BSN program by CAA, MOE, UAE, the first two-year students get their clinical experience in the simulated lab. In the first year of the program itself, the students begins the course foundation of nursing practice with practical experience in the simulated lab settings. In the second year, the program expands to include working with both healthy people and those experiencing acute illness; increasingly complex situations; and engages in experience that demonstrates interconnection of hospital and community care and is provided in the highly simulated setting in clinical skill lab. In the third and fourth years of the program, students have an opportunity to learn advanced concepts and more specialized skills in caring for individuals experiencing complex health challenges in both hospital and community settings. It focuses on professional growth and responsibility to contribute to the development of health care through leadership.

16.1.7 Practical, Simulation & Clinical hours for each course of the BSN Program

Details of the first two years of BSN program for Practical, Simulation are as follows:

Clinical Skill Lab (CSL) and Simulated Lab (SL)

Year	Course	Semester I		Semester II	
		Practical Hours	Simulation Lab Hours	Practical Hours	Simulation Lab Hours
Year 1	Foundations of Nursing Practice - 1	75	30	-	-
	Foundations of Nursing Practice - 2	-	-	60	30
Year 2	Health Assessment	60	60	-	-
	Adult Health Nursing -1 (includes following areas given below) :	-	-	-	-
	Medical Nursing	27	40	18	30
	Surgical Nursing	18	20	12	30
Total		180	150	90	90

Clinical Hospital

Year	Course	Semester I	Semester II
		Credit Hours	Clinical Hours
Year 3	Gynecology	60	-
	Pediatrics (including Nursing Leadership and Management)	60	60
		30	30
	Adult Health Nursing - 2 (includes Nursing Leadership and Management)	0	0
	Ear Nose Throat (ENT)	24	33
	Orthopedic	58	34
	Ophthalmic	28	33
	Dermatology	22	-
	Operating Theatre	48	
	Medical unit	0	80
	Psychiatric Mental Health Nursing	60	60
Total Actual Hours		360	300
Year 4	Obstetrical Nursing	120	120
	Community Health Nursing	60	60
	Medical ICU/CCU	12	24
	Surgical ICU	12	24
	Emergency room	12	24
	Surgical Unit	12	24
	Medical Unit	12	24
	Practicum	240	180
Total Actual Hours		480	480

16.1.8 Hospital Facilities for Clinical Teaching

RAKCON, RAKMHSU will use the facilities of Emirates Health Services (EHS) hospitals namely Saqr hospital, Ibrahim Bin Hamad Obaidallah hospital, Obaidallah Geriatric Hospital, Abdullah Bin Omran and Shams Hospital in Ras Al Khaimah for teaching and clinical training of the students. In addition, various primary health centers available in Ras Al Khaimah under the ambit of RAK Medical Zone are also utilized. Saqr Hospital has the surgical specialties like General Surgery, Urology, Neurosurgery, Orthopedics, Oto-rhino-laryngology, Ophthalmology and Pediatrics services are available in the Saqr Hospital. All medical specialties like Internal Medicine, Neurology, Respiratory and Chest medicine, Cardiology, Dermatology, and Nephrology are available in Ibrahim Bin Hamad Obaidallah Hospital. Geriatrics care facility is available in Obaidallah Geriatric Hospital. For training in Obstetrics and Gynecology specialty, BSN students are posted in Abdullah Bin Omran Hospital. Students are posted at Al Amal Hospital, Dubai for Psychiatric Mental Health clinical training.

16.1.9 Assessment, Evaluation, Grading and Promotion: Refer Examination and Grading System - Section 17

16.1.10 Study Plan for BSN Program

(Four years including General Education) - Stream A (Revised)

BSN YEAR 1

Total Credit Hours: 120

Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	Course Code	Course Title	Credits			Final Examination
		T	P	*SL				T	P	*SL	
ENG 101	English	3	0	0	ENG 101	ENG 201	Health Sciences Communication in English	2	0	0	ENG 201
ARB 101	Health Sciences Communication in Arabic	2	0	0	ARB 101	NMB 7103	Microbiology	2	1	0	NMB 7103
NFN 7113	Foundations of Nursing Practice1	3	0	0	NFN 7113	NFN 7123	Foundations of Nursing Practice2	3	0	0	NFN 7123
NFNS 7113	Foundations of Nursing Practice1	0	2.5	0.5	NFNS 7113	NFNS 7123	Foundations of Nursing Practice2	0	2	0.5	NFNS 7123
NAN 7103	Anatomy	1	0.5	0	None	NAN 7103	Anatomy (Contd.)	1	0.5	0	NAN 7103
NPH 7103	Physiology	1	0.5	0	None	NPH 7103	Physiology (Contd.)	1	0.5	0	NPH 7103
NND 7102	Nutrition & Dietetics	2	0	0	NND 7102						
Total		12	3.5	0.5		Total		9	4	0.5	
Total Credits		16				Total Credits		13.5			

T – Theory, P – Practical, *SL – Simulated Lab.

BSN YEAR 2

Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	Course Code	Course Title	Credits			Final Examination
		T	P	*SL				T	P	*SL	
NHA 7201	Health Assessment	1	0	0	NHA 7201	NPS 7202	Psychology	2	0	0	NPS 7202
NHAS 7203	Health Assessment	0	2	1	NHAS 7203	NPN 7203	Pharmacology in Nursing (Contd.)	2	0	0	NPN 7203
NPN 7203	Pharmacology in Nursing	1	0	0	None	ICM 101	Islamic Culture & Medicine	2	0	0	ICM 101
NHB 7203	Human Biochemistry	2	1	0	NHB 7203	NAH 7215	Adult Health Nursing 1(Contd.)	2	0	0	NAH 7215
NAH 7215	Adult Health Nursing 1	3	0	0	None	NAHS 7215	Adult Health Nursing 1	0	1	1	NAHS 7215
NAHS 7215	Adult Health Nursing 1	0	1.5	1	None	ES 101	Emirates Society	2	0	0	ES 101
NPP 7202	Pathophysiology	2	0	0	NPP 7202	HIT 101	Health Informatics & Technology	2	1	0	HIT 101
Total		9	4.5	2		Total		12	2	1	
Total Credits		15.5				Total Credits		15			

T – Theory, P – Practical, *SL – Simulated Lab.

Total Practical Hours 1st & 2nd years: 420 Hours Total Simulation Lab Hours 1st & 2nd years: 240 Hours

BSN YEAR 3

Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	Course Code	Course Title	Credits			Final Examination
		T	P	*C				T	P	*C	
NNE 7303	Nursing Education	1	0	0	None	NNE 7303	Nursing Education (Contd.)	1	0.5	0	NNE 7303
NPN 7306	Paediatric Nursing	2	0.5	1	None	NPN 7306	Paediatric Nursing (Contd.)	1	0.5	1	NPN 7306
NPM 7306	Psychiatric Mental Health Nursing	1.5	0.5	1	None	NPM 7306	Psychiatric Mental Health Nursing (Contd.)	2	0	1	NPM 7306
NAH 7328	Adult Health Nursing-2	1	0.5	2	None	NAH 7328	Adult Health Nursing-2 (Contd.)	2	0	2	NAH 7328
NLM 7304	Nursing Leadership & Management	1	0	1	None	NLM 7304	Nursing Leadership & Management (Contd.)	1	0	1	NLM 7304
NPT 7302	Professional Issues & Trends in Nursing	1	0	0	None	NPT 7302	Professional Issues & Trends in Nursing (Contd.)	1	0	0	NPT 7302
NLEI 7302	Legal & Ethical Issues in Nursing	1	0	0	None	NLEI 7302	Legal & Ethical Issues in Nursing (Contd.)	1	0	0	NLEI 7302
NGN 7302	Gynecological Nursing	1	0	1	NGN 7302						
Total		9.5	1.5	6		Total		9	1	5	
Total Credits		17				Total Credits		15			

T – Theory, P – Practical, *C – Clinical rotation

Total Clinical Hours: 360 Hours

Total Clinical Hours: 300 Hours

BSN YEAR 4

Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	Course Code	Course Title	Credits			Final Examination
		T	P	**C				T	P	**C	
NOB 7408	Obstetric Nursing	2	0.5	2	None	NOB 7408	Obstetric Nursing (Contd.)	1	0	2	NOB 7408
NCC 7436	Critical Care Nursing	1.5	0.5	1	None	NCC 7436	Critical Care Nursing (Contd.)	1	0	2	NCC 7436
NCH 7405	Community Health Nursing	1	0.5	1	None	NCH 7405	Community Health Nursing (Contd.)	1	0	1	NCH 7405
NCP 7407	**Clinical Practicum	0	0	4	None	NCP 7407	**Clinical Practicum [Elective]	0	0	3	NCP 7407
						NRS 7403	Nursing Research Methodology & Statistics	3	0	0	NRS 7403
Total		4.5	1.5	8		Total		6	0	8	
Total Credits		14				Total Credits		14			

T – Theory, P – Practical, **C – Clinical Practicum.

Total Clinical Hours: 480 Hours

Total Clinical Hours: 480 Hours

Note: Total clinical hours of BSN year 3 & year 4: 360+300+480+480=1620 Clock hours

16.1.11 Description of Courses

General Education Courses (Please refer section 2.3.4)

General Education courses is offered during the first and second year of the BDS curriculum. General education courses cover English (ENG 101), Health Sciences Communication in English (ENG 201), Health Sciences Communication in Arabic (ARB 101), Islamic Culture in Medicine (ICM 101), Health Informatics & Technology (HIT 101), Emirates Society (ES 101).

YEAR - 1

Semester 1:

NFN 7113 Foundations of Nursing Practice - 1

(3-0-0 = 3)

Prerequisites: None

Co-requisites: None

An introduction to the definition of Nursing and Health. Emphasis is on the relevance of context and on caring, nursing history and professionalism, nursing process, skills in assessment, basic procedures and communication

NFNS 7113 Foundations of Nursing Practice - 1

(0-2.5-0.5 = 3)

Prerequisites: None

Co-requisites: None

An introduction to the fundamental skills relevant to the context of caring and meeting basic needs of patients. It also gives an opportunity to apply therapeutic communication techniques and nursing process in providing comprehensive patient care.

NAN 7103 Anatomy

(1-0.5-0 = 1.5)

Prerequisites: None

Co-requisites: None

This course is a study of normal anatomy of the human body through lecture, demonstration visuals and hands on laboratory experience. It will provide the student with a basis for clinical nursing practice.

NPH 7103 Physiology

(1-0.5-0 = 1.5)

Prerequisites: None

Co-requisites: None

Physiology of the body systems will be explored, including reproduction, homeostasis and fluid balance. Learned through lecture, demonstration, visuals and hands on laboratory experience.

NND 7102 Nutrition and Dietetics**(2-0-0 = 2)**

Prerequisites: Semester I Courses

Co-requisites: None

Nutrition and Dietetics is a two-credit course offered in the second semester. It is a foundation course in nutrition to provide the students a perspective on some of the links between diet, health and disease. Introduction to diet therapy in disease states is integrated throughout the course.

Semester 2:**NMB 7103 Microbiology****(2-1-0 = 3)**

Prerequisites: Semester I courses

Co-requisites: None

This course provides first-year nursing students with knowledge of principles of medical microbiology and immunology that will support the study of the role of microbes in disease production. This will prepare the students for the practice of infection control measures and their role in diagnosis and management of infectious diseases.

NFN 7123 Foundations of Nursing Practice – 2**(3-0-0 = 3)**

Prerequisites: Semester I Courses

Co-requisites: None

This course is continuation from Foundations of Nursing-1; the student continues to develop her/his knowledge and skill in recognizing and carrying out the basic needs of patients, integrating scientific principles using problem solving approach and nursing skills procedures. End of life care and basic emergency care will be introduced.

NFNS 7123 Foundations of Nursing Practice - 2**(0-2-0.5 = 3)**

Prerequisites: Semester I Courses

Co-requisites: None

This course is continuation from Foundations of Nursing-1; it provides opportunity to develop knowledge, skills, attitude and clinical reasoning for problem solving in care of patients with diverse medical - surgical problems including basic emergency care.

NFNS 7123 Foundations of Nursing Practice - 2**(0-2-0.5 = 3)**

Prerequisites: Semester I Courses

Co-requisites: None

This course is continuation from Foundations of Nursing-1; it provides opportunity to develop knowledge, skills, attitude and clinical reasoning for problem solving in care of patients with diverse medical - surgical problems including basic emergency care.

NAN 7103 Anatomy (Contd.)**(1-0.5-0 = 1.5)**

Prerequisites: Semester I Courses

Co-requisites: None

This course is a continuation from Semester I.

NPH 7103 Physiology (Contd.)**(1-0.5-0 = 1.5)**

Prerequisites: Semester I Courses

Co-requisites: None

This course is a continuation from Semester I

YEAR - 2**Semester 1:****NHA 7201 Health Assessment****(1-0-0 = 1)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course prepares the student to conduct comprehensive health assessment of adult patients.

NHAS 7203 Health Assessment**(0-2-1 = 3)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course prepares the student to conduct comprehensive health assessment of adult patients.

NHB 7203 Human Biochemistry**(2-1-0 = 3)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This is a system based introductory biochemistry course dealing with the basic concepts of bio molecules such as carbohydrates, lipids, proteins, enzymes and the functioning of musculoskeletal, gastrointestinal, blood, respiratory, cardiovascular, excretory, and endocrine systems. The students are also exposed to the fundamental aspects of molecular biology and its relation to the causes of common diseases.

NAH 7215 Adult Health Nursing - 1**(3-0-0 = 3)**

Prerequisites: Year 1, Semester I, II

Co-requisites: None

This course deals with variety of adult patients including geriatrics with specific medical and surgical conditions, communicable diseases, instructional therapeutic nutrition with special emphasis on problem solving approach of comprehensive patient care, which includes diet therapy and health education.

NAHS 7215 Adult Health Nursing - 1**(0-1.5-1 = 2.5)**

Prerequisites: Year 1, Semester I, II

Co-requisites: None

This course deals with variety of adult patients including geriatrics with specific medical and surgical conditions, communicable diseases, instructional therapeutic nutrition with special emphasis on problem solving approach of comprehensive patient care includes diet therapy and health education.

NPP 7202 Pathophysiology**(2-0-0 = 2)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course is to introduce students to fundamental pathophysiological changes in human body that results in disruptive adaptive responses throughout the lifespan. These disruptive responses are approached in a systematic manner. A combination of identified cellular concepts and a body systems approach is utilized to structure course content.

SEMESTER - 2**NPS 7202 Psychology****(2-0-0 = 2)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

General Psychology is a survey of various methods, principles, and theories of scientific psychology as applied to the study and understanding of human thoughts, emotions and behaviors. It also includes physiological foundations of behavior, growth and development, learning and memory. Motivation and emotions, personality, stress and adjustment, social interactions, and psychological disorders and treatment approaches are also included.

NPN 7203 Pharmacology in Nursing (Contd.)**(2-0-0 = 2)**

Prerequisites: Year 2, Semester I courses

Co-requisites: None

This course is a continuation from Semester 1

NAH 7215 Adult Health Nursing I (Contd.)**(2-0-0 = 2)**

Prerequisites: Year 2, Semester I courses

Co-requisites: None

This course is a continuation from Semester I

NAHS 7215 Adult Health Nursing I (Contd.)**(0-1-1 = 2)**

Prerequisites: Year 2, Semester I courses

Co-requisites: None

This course is a continuation from Semester I

YEAR – 3**Semester 1:****NNE 7303 Nursing Education****(1-0-0 = 1)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

This course includes the philosophy and objectives of nursing education concepts and principles of curriculum development, evaluation, guidance and counselling including methods of teaching.

NPN 7306 Pediatric Nursing**(2-0.5-1 = 3.5)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

This course focuses on the most common acute and long-term health problems of the child. Effects of illness and hospitalization on the child and family unit will also be explored. The course includes a practicum component with experience in the acute care and well-child setting. The use of normal growth and development criteria are stressed.

NPM 7306 Psychiatric Mental Health Nursing**(1.5-0.5-1 = 3)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

This course introduces the basic principles and concepts of mental health nursing. Emphasis will be on therapeutic interventions and nursing care for mentally ill clients and their caregivers. This also includes rehabilitative aspects of the patients with mental illness.

NAH 7328 Adult Health Nursing - 2**(1-0.5-2 = 3.5)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

This course is continuation of Adult Health Nursing 1. The emphasis is on medical-surgical specialties - Hematology, Immunology, Integumentary, musculoskeletal, ENT, and Ophthalmology. Planned and guided experiences shall be provided in acute care units including adult medical and surgical settings and also in the specialty units. Nursing concepts basic to health and illness shall be examined across the continuum of individuals and family.

NLM 7304 Nursing Leadership and Management**(1-0-1 = 2)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

This course explores the organizational strategies, leadership theories and societal trends with implications for decision-making in health care. Introduction to management skills needed by professional nurses with clinical application in diverse settings is also provided.

NPT 7302 Professional Issues and Trends in Nursing**(1-0-0 = 1)**

Prerequisites: Year 2, Semester I & II courses

Co-requisites: None

The course introduces students to the status of nursing in the UAE health care system, perspectives to be explored will include social, political, organizational, and legal/ethical factors. The continuing debate about the essence of nursing including professional issues will be examined. Current issues will be critically analyzed in relation to their influence on the nursing profession and nursing practice.

NLE 7302 Legal and Ethical Issues in Nursing**(1-0-0 = 1)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course explores the fundamental principles of nursing ethics and encourages reflection on and discussion about personal and professional values within nursing practice contexts. Students will analyze some of the most common and difficult ethical dilemmas faced by nurses. These dilemmas will be analyzed with consideration to ethical reasoning and decision-making.

NGN 7302 Gynecological Nursing**(1-0-1 = 2)**

Prerequisites: Year 3, Semester I & II courses

Co-requisites: None

This course deals with normal health of women and common diseases of female reproductive system and its nursing care.

Semester 2:**NNE 7303 Nursing Education (Contd.)****(1-0.5-0 = 1.5)**

Prerequisites: Year 3, Semester I courses

Co-requisites: None

This course is a continuation from Semester I

NPN 7306 Pediatric Nursing (Contd.)**(1-0.5-1 = 2.5)**

Prerequisites: Year 3, Semester I courses

Co-requisites: None

This course is a continuation from Semester I

NPM 7306 Psychiatric Mental Health Nursing (Contd.)**(2-0-1 = 3)**

Prerequisites: Year 3, Semester I courses

Co-requisites: None

This course is a continuation from Semester I.

NAH 7328 Adult Health Nursing - 2**(1-0-1 = 2)**

Prerequisites: Year 2, Semester I, II & Year 3 Semester I

This course is a continuation from Semester I.

NLM 7304 Nursing Leadership and Management (Contd.)**(1-0-1 = 2)**

Prerequisites: Year 3, Semester I courses

Co-requisites: None

This course is a continuation from Semester I.

NPT 7302 Professional Issues and Trends in Nursing (Contd.)**(1-0-0 = 1)**

Prerequisites: Year 3, Semester I courses

This course is a continuation from Semester I

NLE 7302 Legal and Ethical Issues in Nursing**(1-0-0 = 1)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course is a continuation from Semester I

YEAR 4**Semester 1:****NOB 7408 Obstetric Nursing****(2-0.5-2 = 4.5)**

Prerequisites: Year 3, Semester I & II courses

Co-requisites: None

This course focuses on the normal physiological changes and maternal adaptations related to the pregnancy and nursing care of the normal prenatal, intrapartal and postpartal stages and the normal neonate. Common complications of pregnancy, labor and delivery, postpartum, and the neonate are discussed. The clinical component will provide selected experiences in the care of prenatal, intrapartal, postpartal clients, and the newborn.

NCC 7436 Critical Care Nursing**(1.5-0.5-1 = 3)**

Prerequisites: Year 3, Semester I & II courses

Co-requisites: None

Designed to increase the depth of knowledge and level of nursing skill. Content includes principles and concepts of advance medical-surgical and mental health, which are organized around the nursing process and nursing diagnosis. Integrated throughout are concepts of health promotion, nutrition, and pharmacology. Socio-cultural factors and adaptations for the elderly are also incorporated. Clinical experience includes care of patients with complex medical-surgical conditions

NCH 7405 Community Health Nursing**(1-0-1 = 2)**

Prerequisites: Year 3, Semester I & II courses

Co-requisites: None

Community health nursing course focuses on health of the population in the community, principles of health care, strategies of health promotion, and epidemiological concepts of nursing care with individuals, families, groups, and communities. Professional, legal/ethical, economic, cultural, and environmental issues relevant to community health nursing will also be examined.

NCP 7404 Clinical Practicum (Rotational Shifts)**(0-0-4 = 4)**

Prerequisites: All first to fourth year nursing courses.

Co-requisites: None

This course is a continuation from Semester I. This clinical placements enforces mainly on holistic comprehensive care

Semester 2**NOB 7408 Obstetric Nursing (Contd.)****(1-0-2 = 3)**

Prerequisites: Year 4 Semester I Courses

Co-requisites: None

This course is a continuation from Semester I

NCC 7436 Critical Care Nursing (Contd.)**(1-0-2 = 3)**

Prerequisites: Year 4 Semester I Courses

Co-requisites: None

This course is a continuation from Semester I

NCH 7405 Community Health Nursing (Contd.)**(1-0-1 = 2)**

Prerequisites: Year 4 Semester I Courses

Co-requisites: None

This course is a continuation from Semester I

NCP 7407 Clinical Practicum (Elective)**(0-0-3 = 3)**

Prerequisites: All first to third year nursing courses

Co-requisites: None

The purpose of this course is to provide clinical immersion opportunities for students in practical settings to support knowledge applications, skill developments and refinements, role developments and transition to practice. These experiences will develop the students, critical thinking/clinical reasoning skills and increase communications skills, time management and organization abilities. Opportunities to explore the multiple roles of the professional nurse in the health care settings to serve as the member of the inter-professional team and prepare students for reality based practice.

NRS 7403 Nursing Research Methodology & Statistics**(3-0-0 = 3)**

Prerequisites: Year 1, Semester I & II courses

Co-requisites: None

This course is designed to assist the students to acquire an understanding of the research methodology and statistics and its application to nursing. It will further enable the students to critique research studies and recognize the value of utilizing evidence based nursing practice to improve quality of care.

16.2 Registered Nurse-Bachelor of Science in Nursing (RN-BSN Bridge program - Stream B)

16.2.1 Program Duration

Two year, full time Bachelor of Science in Nursing Degree Program for registered nurses who have completed Diploma in Nursing and have a minimum of two years' clinical experience.

16.2.2 The Goals

The two-year curriculum designed to achieve the following goals:

1. To provide quality education in nursing, comparable to the international levels.
2. To ensure that each student nurse is exposed to wide range of learning opportunities in both practice and theory.
3. To promote the development of professional knowledge and practice through evidence-based learning and problem-solving approaches.
4. To collaborate with health care providers in determining the educational needs of nurses, thus reflecting national and local workforce trends and priorities.
5. To educate students to utilize research within a stimulating and supportive environment for improving the quality of patient care, implementing change in nursing practice and for making nursing practice decisions.
6. To focus on the commitment to principle of 'life-long learning' by providing appropriate continuing professional development modules and pathways.
7. To encourage students to use concepts from the humanities and the behavioral sciences to understand oneself and others, the relationship between people, and the functioning of communities.
8. To develop an understanding of and practice professional ethics.

16.2.3 Program Learning Outcomes

Knowledge:

On successful completion of the RN-BSN Bridge program, the graduate will be able to:

1. Synthesize current knowledge from nursing science, humanities, social and natural sciences into nursing practice.
2. Utilize critical thinking skills to provide comprehensive nursing care.
3. Utilize teaching and learning processes to promote and maintain health.
4. Incorporate evidence-based findings from nursing and health-related research to improve health outcomes.
5. Examine the impact of social, economic, legal and political factors on nursing and the health care system.

Skill:

On successful completion of the RN-BSN Bridge program, the graduate will be able to:

1. Apply previously learned skills and perform technical procedures safely and accurately.

2. Demonstrate adequate skills in rendering comprehensive nursing care to individuals using nursing care process.
3. Integrate effective communication skills consistent with the roles of the professional nurse.
4. Organize health education programs in the hospital and community environment.
5. Apply leadership, management and learning theories to enhance the development of nursing practice in the diverse context of healthcare delivery.
6. Coordinate the delivery of comprehensive healthcare by demonstrating leadership in collaboration with other disciplines.
7. Incorporate contemporary technology into nursing practice.
8. Apply research based knowledge and experience to reflect upon practice.
9. Demonstrate beginning skill of a teacher in classroom.

Competence:

On successful completion of the RN-BSN Bridge program graduate will be able to:

Autonomy and responsibility:

1. Model compassionate caring, culturally competent behaviors in the delivery of comprehensive nursing
2. Articulate personal standpoint in the context of respect for views of others.
3. Assume responsibility for own learning both independent and collaborative.
4. Create safe care environment that result in high quality client outcome

Self- Development:

5. Audit one's own skills, analyze and monitor personal development.
6. Demonstrate a commitment to lifelong learning and professional development

Role in context:

7. Practice within the ethical, legal, and regulatory frameworks of nursing and standards of professional practice, demonstrating accountability for nursing practice
8. Engage in safe nursing practices that support quality clinical prevention and population health activities

16.2.4 Admission Requirements and Program Completion Requirements

Refer Admission Regulations - Section 8

- 1) Additional Program Requirements

This program has additional program-specific admission requirements.

- Should be a graduate from an accredited school of nursing.
- Possess RN licensure from the country of origin.
- Should have two years clinical working experience in hospital/community after completion of Diploma in Nursing.

- Should have completed the following prerequisites courses in the Diploma in Nursing / Associate Degree Program as mentioned below:

2) Prerequisite Courses

a) General Education Courses:

- English
- Mathematics
- Chemistry
- Physics

b) Foundation Courses:

- Introduction to Psychology
- Microbiology
- Pathology
- Anatomy and Physiology - 1 & 2
- Human Biochemistry
- Nutrition

c) Nursing core Courses:

- Fundamentals of Nursing
- Pharmacology in Nursing
- Medical-Surgical Nursing-1 & 2
- Community Health Nursing-1
- Pediatric Nursing
- Psychiatric Nursing
- Gynecological and Maternity Nursing.

16.2.5 The Curriculum

The RN-BSN bridge program promotes the development of nursing as a caring, patient-centered, scientifically-based profession with an emphasis on problem-based, team-based, small group and self-directed learning.

The curriculum has been planned in such a way that it bridges with in-depth knowledge and skill in the core and noncore nursing courses which includes the newer trends and advances, essential for a professional nurse in practice.

16.2.6 Instructional Methods Based on the Learning Outcomes

RAKMHSU is committed to being responsive to students' needs and preparing students to assume future societal leadership roles to meet political, economic, social and technological challenges. Faculty members are committed to make learning environment more interactive, to integrate technology into learning experience, and to use collaborative learning strategies when appropriate.

Instructional methodologies like lecture cum discussion, demonstration, Team Based Learning (TBL), self - Directed Learning and evidence-based learning integrated according to the learning outcomes of the courses.

16.2.7 Clinical Experience

In the first semester after two weeks of theory classes, the clinical experience will begin in the hospital settings. In the second year, the program extends to community care, evidence based practice and leadership training in the hospital.

16.2.8 RNBSN Clinical Rotation – Actual hours

Year	Course	Semester I	Semester II
		Clinical Hours	Clinical Hours
Year1	Adult Health Nursing		
	▪ Medical units	20	20
	▪ Surgical units	20	20
	▪ Critical Care	20	20
	Psychiatric Mental Health Nursing	60	60
	Obstetrical/Gynecological Nursing	60	120
Year2	Pediatrics	60	60
	Community Health Nursing	120	80
	Nursing Leadership and Management	60	60
Total Actual Hours		420	444

16.2.9 Hospital Facilities for Clinical Teaching

RAKCON, RAKMHSU will use the facilities of Emirates Health Services (EHS) hospitals namely Saqr hospital, Ibrahim Bin Hamad Obaidallah hospital, Obaidallah Geriatric Hospital , Abdullah Bin Omran and Shams Hospital in Ras Al Khaimah for teaching and clinical training of the students. In addition, various primary health centers available in Ras Al Khaimah under the ambit of RAK Medical Zone are also utilized. Saqr Hospital has the surgical specialties like General Surgery, Urology, Neurosurgery, Orthopedics, Oto-rhino-laryngology, Ophthalmology and Pediatrics services are available in the Saqr Hospital. All medical specialties like Internal Medicine, Neurology, Respiratory and Chest medicine, Cardiology, Dermatology, and Nephrology are available in Ibrahim Bin Hamad Obaidallah Hospital. Geriatrics care facility is available in Obaidallah Geriatric Hospital. For training in Obstetrics and Gynecology specialty, BSN students are posted in Abdullah Bin Omran Hospital. Students are posted at Dubai Al Amal Hospital for Psychiatric Mental Health clinical training.

Students from Dubai Sharjah, Ajman will have clinical placements in EHS Hospitals in Dubai. Similarly students from Al Ain will be placed in Al Ain Hospital and Tawam Hospital. Students from Fujairah will have clinical placement in Fujairah Hospital & students from Abu Dhabi will have clinical placement in Mafraq Hospital.

16.2.10 Assessment Evaluation, Grading and Promotion

Refer Examination and Grading System - Section 17

16.2.11 Study Plan for RN-BSN Bridge Program

(2 Years, 4 Semesters - Including General Education) - Stream B

Total Credit Hours: 60

YEAR – 1											
Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	CourseCode	Course Title	Credits			Final Examination
		T	P	C				T	P	C	
NAH 7108	Adult Health Nursing (Pathology, Biochemistry, Pharmacology, Geriatric Nursing)	2	1	1	None	NAH 7108	Adult Health Nursing (Pathology, Biochemistry, Pharmacology, Geriatric Nursing) Contd.,	3	0	1	NAH 7108
NPM 7106	Psychiatric Mental Health Nursing	2	1	1	None	NPM 7106	Psychiatric Mental Health Nursing – Contd.,	1	0	1	NPM 7106
NOG 7106	Obstetrical & Gynecological Nursing	1	0.5	1	None	NOG 7106	Obstetrical & Gynecological Nursing- Contd.,	1	0.5	2	NOG 7106
NPN 7105	Pediatric Nursing	1	1	1	None	NPN 7105	Pediatric Nursing– Contd.,	1	0	1	NPN 7105
ARB 101	Health Sciences Communication in Arabic	2	0	0	ARB 101	ICM 101	Islamic Culture and Medicine	3	0	0	ICM 101
						NLE 7102	Legal and Ethical Issues in Nursing	2	0	0	NLE 7102
Total		8	3.5	4		Total		11	0.5	5	
Total Credits		15.5				Total Credits		16.5			

YEAR – 2											
Semester I						Semester II					
Course Code	Course Title	Credits			Final Examination	CourseCode	Course Title	Credits			Final Examination
		T	P	*SL				T	P	*SL	
NNE 7205	Nursing Education	2	1	0	None	NNE 7205	Nursing Education (Contd.,)	1	1	0	NNE 7205
NLM 7205	Nursing Leadership and Management	2	0	1	None	NLM 7205	Nursing Leadership and Management (Contd.,)	1	0	1	NLM 7205
NCH 7207	Community Health Nursing	2	1	2	None	NCH 7207	Community Health Nursing (Contd.,)	1	0	1	NCH 7207
NRS 7203	Nursing Research Methodology & Statistics	2	0	0	None	NRS 7203	Nursing Research Methodology & Statistics (Contd.,)	1	0	0	NRS 7203
ES 101	Emirates Society	3	0	0	ES 101	NPT 7202	Professional Issues & Trend in Nursing	2	0	0	NPT 7202
						HIT 101	Health Informatics Technology	2	1	0	HIT 101
Total		11	2	3		Total		8	2	2	
Total Credits		16				Total Credits		12			

16.2.12 Description of Courses

General Education Courses (Please refer section 2.3.4)

General Education courses is offered during the first and second year of the RN -BSN curriculum. Health Sciences Communication in Arabic (ARB 101), Islamic Culture in Medicine (ICM 101), Health Informatics & Technology (HIT 101), Emirates Society (ES 101).

Year – 1

Semester I:

NAH 7108 Adult Health Nursing (Pathology, Biochemistry, Pharmacology, Geriatric Nursing) (2-1-1 = 4)

Prerequisites: Foundation in Nursing and Medical Surgical in Diploma in Nursing Program

Co-requisites: None

This course is designed to provide the registered nurse student, the opportunity to apply baccalaureate nursing strategies and the nursing process while assisting clients and families in maintaining and/or regaining an optimal level of wellness. Emphasis is given to the role of the nurse as a care provider, teacher, collaborator, and problem solver in client's care across the life span. It will include adults/geriatrics medical-surgical component.

NPM 7106 Psychiatric - Mental Health Nursing (2-1-1 = 4)

Prerequisites: Psychiatric Nursing course in Diploma in Nursing Program

Co-requisites: None

Designed to provide the registered nurse student the opportunity to apply baccalaureate nursing strategies and the nursing process while assisting clients and families in maintaining and/or regaining an optimal level of wellness. Emphasis is given to the role of the nurse as a care provider, teacher, collaborator, and problem solver in client's care across the life span. It will include Psychiatric-mental health components.

NOG 7106 Obstetrical & Gynecological Nursing (1-0.5-1=2.5)

Prerequisites: Maternity Nursing course in Diploma in Nursing Program

Co-requisites: None

This course is designed to develop knowledge, skills in management of clients with common diseases of female reproductive systems and obstetric conditions. It will help the students to apply theoretical knowledge and research based competencies while caring for women with gynecological and obstetrical problems.

NPN 7105 Pediatric Nursing (1-1-1 = 3)

Prerequisites: Pediatric Nursing course in Diploma in Nursing Program

Co-requisites: None

This course is designed to provide the registered nurse student the opportunity to apply baccalaureate nursing strategies and the nursing process while assisting child clients and their families in maintaining and/or regaining an optimal level of wellness. Emphasis is given to the role of the child health nurse as a care provider, teacher, collaborator, and problem solver to the child client and their family.

Semester II:

NNAH 7108 Adult Health Nursing (Pathology, Biochemistry, Pharmacology, Geriatric Nursing) (Contd.) (3-0-1 = 4)

Prerequisites: Semester - I course

Co-requisites: None

This course is a Continuation of Semester I

NPM 7106 Psychiatric- Mental Health Nursing (Contd.) (1-0-1 = 2)

Prerequisites: Semester - I course

Co-requisites: None

This course is a Continuation of Semester I

NOG 7106 Obstetrical & Gynecological Nursing (Contd.) (1-0.5-2=3.5)

Prerequisites: Semester - I course

Co-requisites: None

This course is a Continuation of Semester I

NPN 7105 Pediatric Nursing (Contd.) (1-0-1 = 2)

Prerequisites: Semester - I course

Co-requisites: None

This course is a Continuation of Semester I

INLE 7102 Legal and Ethical issues in Nursing (2-0-0 = 2)

Prerequisites: Semester I courses

Co-requisites: None

This course explores the fundamental principles of nursing ethics and encourages reflection on and discussion about personal and professional values within nursing practice contexts. Students will analyze some of the most common and difficult ethical dilemmas faced by nurses. These dilemmas will be analyzed with consideration to ethical reasoning and decision-making.

YEAR - 2

Semester I:

NNE 7205 Nursing Education (2-1-0 = 3)

Prerequisites: Year 1 Semester I & II courses

Co-requisites: None

This course includes the philosophy and objectives of nursing education, concepts and principles of curriculum development, evaluation and guidance and counseling including methods of teaching.

NCH 7207 Community Health Nursing**(2-1-2 = 5)**

Prerequisites: Year 1 Semester I & II courses

Co-requisites: None

Community health nursing (including sociology) course focuses on health of population in the social environment. It includes health care policies, strategies of health promotion, epidemiological concepts and sociological theories. Professional, legal/ethical, economic, cultural, and environmental issues related to power and communication along with organizational change relevant to community health nursing will be examined.

NLM 7205 Nursing Leadership and Management**(2-0-1 = 3)**

Co-requisites: None

Prerequisites: Year 1 Semester I & II courses

This course explores the organizational strategies, leadership theories and societal trends with implications for decision-making in health care. Introduction to management skills needed by professional nurses with clinical application in diverse settings is also provided.

NRS 7203 Nursing Research Methodology & Statistics**(2-0-0 = 2)**

Prerequisites: Year 1 Semester I & II courses

Co-requisites: None

This course is designed to assist the students to acquire an understanding of the research methodology and statistics and its application to nursing. It will further enable the students to critique research studies and recognize the value of utilizing evidence based nursing practice to improve quality of care.

NE 7205 Nursing Education (Contd.)**(1-1-0 = 2)**

Prerequisites: Year 2 Semester I course

Co-requisites: None

This course is a Continuation of Semester I

NLM 7205 Nursing Leadership and Management (Contd.)**(1-0-1 = 2)**

Prerequisites: Year 2 Semester I course

Co-requisites: None

This course is a Continuation of Semester I

NCH 7207 Community Health Nursing (Contd.)**(1-0-1 = 2)**

Prerequisites: Year 2 Semester I course

Co-requisites: None

This course is a Continuation of Semester I

NPT 7202 Professional Issues and Trends in Nursing**(2-0-0 = 2)**

Prerequisites: Year 1 Semester I & II courses

Co-requisites: None

The course introduces students to the status of nursing in the UAE health care system. Perspectives to be explored will include social, political, organizational, and legal/ethical factors. The continuing debate about the essence of nursing including professional issues will be examined. Current issues will be critically analyzed in relation to their influence on the nursing profession and nursing practice.

NRS 7203 Nursing Research Methodology & Statistics (Contd.)**(1-0-0 = 1)**

Prerequisites: Year 2 Semester I course

Co-requisites: None

This course is a Continuation of Semester I and includes research project group activity.

HIT 101 Health Informatics Technology**(2- 1-0 = 3)**

Prerequisites: None

Co-requisites: None

The goal of this course is to teach basic computer skills necessary in an academic environment including use of the internet and other computer programs for research and data analysis.

The eligibility to appear for the annual/ semester/ final examination (BSN Stream A and RNBSN Stream B).

- a. A minimum of 75% attendance in each course (Theory).
- b. A minimum of 75% attendance for theory and practical.
- c. A minimum of 95% attendance for clinical rotations.
- d. A minimum of 95% attendance for courses consisting of simulation and practical.

17. Assessment and Grading System

17.1 Assessment Committee

The Assessment Committee consists of the Vice President, Academic Affairs as Chairperson, In Charge Assessment Office as Secretary, Deans, other nominated faculty as members and nominated students as students representatives. The Assessment Committee advises the University on Assessment Policies and determines whether the general requirements for promotion are met by the students. It shall also be responsible for the approval and announcement of Assessment results, actions for Misconduct / Malpractice during

17.2 Time of Assessment

The assessment planed is according to the academic calendar. The length of time for each evaluation will vary depending on the type as described in the catalog or in communications from the relevant faculty, chairperson or dean.

Students are urged to arrive at the exam site early and begin the test on time or submit their assignment before the deadline. However, if the exam is longer than 30 minutes, students will be permitted to enter the examination room within 15 minutes of the exam's start time with a legitimate explanation. Even if students exit the exam room after finishing their test, neither they nor any other students will be allowed to enter the exam room again.

17.2.1 Continuous Assessment

All continuous assessments (CA) will be held within the semester / academic period. The respective college Dean will notify the student about the exact schedule of CA including the dates, times and venue.

17.2.2 Final Examination

Final Exams are the final assessments for a course/module or combination of courses/modules before a student is awarded a grade for that course/module or combination of courses/modules. They test the total content of the relevant courses. The Office of Assessment has the responsibility of conducting the Final Examination. These Exams will be held at the end of a semester or end of the academic year, and generally fall within the months of January/February and May/June/July.

17.3 Attendance

Attendance Requirements	
75 - 100%	Eligible for final examinations
70-74%	Requires Dean's approval to sit for final examinations
50-69%	Requires justifiable reasons and approval by the College Council to do a remedial process and sit a repeat examination for that course/module.
Less than 50%	Student will not be allowed to sit final exam /repeat exam and will be granted (F) grade. Student must repeat that course /module.

17.4 Assessment Methodology

At RAKMHSU, the Assessment/assessment methodology is to assess the student continuously throughout the duration of the course. Sixty percent (50% in RAKCOMS Clinical Courses) weightage is given to various assessments spread throughout the course which are grouped under “Continuous Assessment”. The other forty percent (50% in RAKCOMS Clinical Courses) weightage is given to the Final Exams held at the end of the course.

17.5 Continuous Assessment

Continuous assessment contributes certain percentage of weightage to the final grades for the course. The methodology for conducting various continuous assessment components are as follows:

- Continuous Assessment Test:
- Mid-Term Exam
- Restricted Response Essays (RRE)
- Written Test
- Self-Director Learning (SDL)
- Quizzes
- Assignment / Presentation
- Team Based Learning (TBL)

Objective Structured Practical Assessment (OSPE), Objective Structured Clinical Assessment (OSCE) and End Semester Practical Assessment (ESPE)

- Mini CEX
- Log books / Lab Records / Case presentations / Case reviews

17.5.1 Placement Test

Students may earn credit for degree-applicable general education courses through proficiency and challenge examinations recognized or administered by the University. Such examinations must demonstrate that the student has mastered the established student learning outcomes for the course at a satisfactory level. For the General Education courses in English and Health Sciences Communication in Arabic, placement tests can be administered. Students who pass the placement test will NOT be required to take that course. However, the placement test scores of the students will be kept for grading at the end of the semester. Any student who has been given an exemption and desires to continue the relevant course may submit an application to the Office of Assessment through the College Dean. Students who choose to remain in the course after being granted an exemption will forfeit their placement test scores and be held to the same standards as other students who were not granted the exemption.

17.5.2 Makeup Continuous Assessment

Any student who misses any component of CA for valid reason(s) must report to the Dean/Associate Dean on the same day. If the reason for absence is approved by the college council, makeup test will be done.

17.6 Final Examinations

The final examinations will be the final Assessment for the course or combination of courses. It will be conducted by the Office of Assessment.

The final exam will contribute 40% (50% RAKCOMS Clinical Courses) of the overall assessment for the course or course combination.

The Eligibility to appear for the Annual / Semester final exam.

- A minimum of 75% of attendance in each course (Theory + Practical)
- A minimum of 75% attendance in clinical rotations (BSN Nursing 95% and MD Program 90%)

Any student, who does not fulfill the above requirement, will not be eligible to appear for the final examination. All the students who appear and fail in the annual/semester examination in the first attempt will have an opportunity to appear for Repeat 1 Assessment, within 2 weeks after the declaration of the results. There will be a remedial Assessment before the Repeat to improve their Continuous Assessment. If the student who fails even at Repeat 1 Assessment, will have Remedial 2 Assessment weeks after repeat 1 and will appear for Repeat 2 Assessment within 2 weeks of declaration of Repeat 1 Assessment results. All courses in the respective academic year needs to be passed before progression to the next academic year and is applicable to all the courses involving all the programs.

Any student, who does not fulfill the above requirement, will not be eligible to appear for the final examination.

The Final Examination will include

a) A theory component and a practical component. The practical component will be for courses with practical or clinical credit hours. The theory component will include MCQ.

Where a course has practical/clinical credit hours, a practical component which will be tested with objective structured practical Assessment (OSPE), objective structured clinical Assessment (OSCE) or practical/clinical Assessment.

17.6.1 Weightage for each Component

No. of Theory Credits	No. of MCQ's for CA and duration of Assessment	No. of MCQ's for Final Examination and duration of Assessment
1	25; 30 min	50; 55 min
2	35; 40 min	75; 80 min
3 and more	50; 55 min	100; 105 min
4Module	35; 40 min	100; 105 min

17.7 Students NOT Eligible for Final Examination

Students may be ineligible for the final examination due to either or both of the following:

- Those who have less than 50% attendance in the course/module.
- Those who have less than 75% attendance in Dental clinical rotations, BSN 95% attendance and MD 90% attendance)

Students with an attendance of less than 75% irrespective of their continuous assessment score, may proceed to revision classes and Remedial Assessment or compensation by attending clinical rotation after the end year Assessment and before the repeat 1 Assessment.

Students with less than 50% attendance for any course / module will be required to repeat the whole semester / year for that particular course/module, subject to University guidelines (Ref 19.3)

17.8 Remedial Assessment

Students, who were not eligible for final examination may, provided they have an attendance of over 50% for any course/module, make themselves eligible for Repeat 1 Assessment by undergoing a remedial process that comprises

- Attending revision classes / clinical rotations AND

Appearing for Remedial 1 Assessment before the Repeat 1 Assessment.

The remedial Assessment will be conducted within 2 weeks of declaration of the results of Final Assessment.

If the student fails at Repeat 1 Assessment, there will be a Remedial 2 Assessment, within 2 weeks after the declaration of Repeat 1 Assessment results.

The remedial 1 Assessment will consist of theory component similar to Continuous Assessment and practical component similar to continuous assessment practical Assessment. The content will be the total syllabus of the course or combination of courses. Score of the two components of the Remedial Assessment may be substituted for one continuous assessment and one practical score respectively. Students achieving the minimum score for continuous assessment after substitution will be eligible for Repeat 1 Assessment. There will be Remedial 2 Assessment before the Repeat 2 Assessment, which will be 2 weeks after the declaration of Repeat 1 Assessment results.

There is no remedial or repeat session for quiz, TBL and assignments.

Student who is not eligible even after Remedial 2 has to repeat the whole semester / year for that particular course / module, subject to payment of fees as per university guidelines.

17.9 Repeat Examination

Following the final examination, two more Assessment in the same format may be conducted, if required, by the University. This is the Repeat 1 and Repeat 2 Assessment which will be held within two weeks after the declaration of the results of the final examination and two weeks after declaration of Repeat 1 Assessment, respectively.

Eligibility for Repeat 1 Examination

Any student who appeared for the final examination but was unsuccessful.

Any student who was not eligible to appear for the final exam but has successfully undergone the remedial process and has become eligible in terms of attendance.

Eligibility for Repeat 2 Examination

Any student who appeared for the Repeat 1 Assessment but was unsuccessful

- Any student due to unforeseen circumstances/emergency conditions was eligible for Repeat 1 Assessment but could not appear.

17.10 Progression through the Program

At the end of academic year the progression criteria is applied based on the performance and grades received by the students. Progression from odd semester to even semester is automatic.

Annual System (MD / BDS / BSN and RN-BSN)

The Assessment office will conduct Repeat 1 & Repeat 2 Assessment during the summer vacation after the Final Assessment within two weeks after declaration of result of the Final Assessment & Repeat 1 Assessment respectively.

The students who clear all the modules / courses in Final Assessment/ Repeat Assessment will be promoted to next academic year.

- Students of all the programs namely MD/BDS/ BPHARM/BSN/RN-BSN/MSN/Master's Program in pharmacy will finish the Repeat 1 & Repeat 2 Assessment before the completion of the academic year (i.e. by end of August). The students will have to pass all the courses for that academic year by the end of Repeat Assessment before progression to the next academic year.
- Failure to clear all the courses by the end of the academic year even after Repeat 1 and Repeat 2 Assessment, the student will have to re-register for the failed courses in the next academic year, and will NOT be promoted to the next academic year, except as mentioned in exception case below.

Semester System (B.Pharm)

The Assessment office will conduct Repeat 1 & Repeat 2 exam within two weeks after declaration of result of the end semester Final Assessment & Repeat 1 Exam respectively.

The students who clear all the courses in Final / Repeat Exam will be promoted to next academic year.

- The students will have to pass all the courses for that academic year (both fall and spring semesters) by the end of repeat Assessment before progression to the next academic year.
- Failure to clear the courses by the end of the academic year even after repeat Assessment as stated in exemption, the student will have to Re-register for the failed courses in the next academic year, and will NOT be promoted to the **next academic year**.

However, depending on the availability of the seats and the improvement shown by the students, a committee will be formed to recommend a student for the readmission to enable the student to repeat the entire course/module in which he/she has failed.

Students who had disciplinary proceedings against them, who had attendance deficit and who have been fee defaulters are NOT eligible for readmission.

Students repeating the course/year after readmission in any year will be given all the chances (**Final and repeat**) at the end of the year to pass the course. If any student who has repeated the course and fails in the Final Exam and repeat Exam, he/she shall be academically dismissed once for all.

The above guidelines are applicable for all the courses in all the years of all the programs.

Students who were not eligible to write Final / repeat Examination due to reason(s) stated under 17.6, such students will have to repeat such module(s)/course(s) in the next academic year and they will not be promoted to next higher class.

Carrying over failed course(s) to the following year: Core courses

Students who fail a course(s) with fewer than or equal to three credit hours will be allowed to carry the course(s) over under the following policy:

- The total credit hours of the course(s) seeking carryover should not exceed 3 credit hours.
- If the course in question is a prerequisite for another course, it is acceptable to take it concurrently.
- The repeat course(s) must be formally registered for, ensuring that all enrollment processes are followed including payment of fee for the carryover course on prorate.
- The course(s) taken under the carryover regulation will not be carried over to the next phase of the curriculum.
- During any particular semester, the cumulative credit hours should not exceed the total of 21 credit hours. The carried-over course(s) will be graded as incomplete (IC), indicating their ongoing state.

Exceptions to carrying over failed courses to the following year: General Education Course

The above progression criteria will not apply to General Education courses; these courses will not affect progression provided the student obtains a pass grade within the following academic year. Student should have completed all the courses including general education course before they could be promoted to clinical clerkship year MD Year 3 / BDS year 4)

17.11 Academic Dismissal

Academic dismissal is the involuntary separation of a student from the University, which takes place under the following situations:

(A) When a student does not obtain pass grades for a course after retaking the course. Such a failure to obtain a pass in the course on the second time a student takes it may be due to:

- Inadequate grades at the Assessment even at the second time.
- Ineligibility to appear for the Final and Repeat Examination at the second time either due to low continuous assessment scores, lack of attendance or both.

(B) When a student is unable to complete the program of study within the maximum duration of study specified for that program.

17.12 Appeal Procedure to Revoke Academic Dismissal

A student may appeal for his / her Academic Dismissal by submitting a written request within five working days from the time the Academic Dismissal letter was signed and mailed by the Office of Assessment.

This written request must state the basis for appeal that would warrant modification of the student's status. The Office of Assessment may call for an Assessment Committee Meeting who in turn shall review and reevaluate the matter within 5 working days after receipt of the student's request. The Office of Assessment will communicate the final decision to the student. During the interim period of appeal after the dismissal, the student is prohibited from attending any activity in the College/University.

17.13 Hall Ticket

Hall ticket is the official document that permits a student to appear for Final and Repeat Examination. The following rules are applicable regarding hall tickets:

The Office of Assessment issues the Hall Tickets before the commencement of the Assessment to all the students, for the courses for which the student is eligible to write the exams.

- Due to attendance shortage or poor academic performance in continuous assessment, the student might be barred from writing exams of some courses, and in such a case the ineligibility will be stated on the Hall Ticket (or the courses will not be printed on the Hall Ticket).

Hall Tickets must be brought to the Assessment hall and presented to the invigilator prior to the Assessment without which a student will not be allowed to appear for Assessment.

- No faxed copies/photocopies/scanned copies in multimedia of the hall tickets will be accepted by the faculty.
- A duplicate Hall Ticket will be issued only by the Office of Assessment upon payment of required fee.

17.14 Academic dishonesty

Academic dishonesty is prohibited at RAK Medical and Health Sciences University. Penalties for academic dishonesty include academic sanctions, such as failing or otherwise reduced grades, and/or disciplinary sanctions, including suspension or expulsion.

Academic integrity is at the core of a university education. Faculty assign essays, exams, quizzes, projects, and so on both to extend the learning done in the classroom and as a means of assessing that learning. When students violate the academic integrity policy (i.e., “cheat”), they are committing an act of theft that can cause real harm to themselves and others including, but not limited to, their classmates, their faculty, and the caregivers who may be funding their education. Academic dishonesty confers an unfair advantage over others, which undermines educational equity and fairness. Students who cheat place their university's accreditation and their own future prospects in jeopardy. The said mandate necessitates that the RAKMHSU undertakes steps essential to enforce the Academic integrity in the Academic work being done in the University.

17.14.1 Definitions

Definitions and Examples of Academic Dishonesty:

17.14.1.1. Cheating is the unauthorized use or attempted use of material, information, notes, study aids, devices, or communication during an academic exercise. Examples of cheating include:

- Copying from another student or allowing others to copy work submitted for credit or a grade. This includes uploading work or submitting class assignments or exams to third party platforms and websites beyond those assigned for the class, such as commercial homework aggregators, without the proper authorization of a professor.
- Unauthorized collaboration on assignments or examinations.
- Copying from another student or allowing others to copy work submitted for credit or a grade. This includes uploading work or submitting class assignments or exams to third party platforms and websites beyond those assigned for the class, such as commercial homework aggregators, without the proper authorization of a professor.
- Unauthorized collaboration on assignments or examinations.
- Taking an examination or completing an assignment for another person or asking or allowing someone else to take an examination or complete an assignment for you, including exams taken on a home computer.

- Allowing others to research and write your assigned papers or other assignments, including using commercial term paper services.
- Submitting someone else's work as your own, including, but not limited to, material obtained in whole or in part from commercial study or homework help websites, or content generated or altered by digital paraphrasing tools.
- Fabricating and/or falsifying data (in whole or in part).
- Giving assistance to acts of academic misconduct/dishonesty.
- Altering a response on a previously graded exam or assignment and then attempting to return it for more credit or a higher grade without permission from the instructor.
- Submitting substantial portions of a paper or assignment to more than one course for credit without permission from each instructor.

Unauthorized use during an examination of notes, prepared answers, or any electronic devices such as cell phones, computers, smart watches, or other technologies to copy, retrieve, or send information.

17.14.1.2 Plagiarism is the act of presenting another person's ideas, research, or writing as your own.

Examples of plagiarism include:

- Copying another person's actual words or images without the use of quotation marks and citations attributing the words to their source.
- Presenting the ideas of others in your own words without acknowledging the source or insufficient paraphrasing, whether or not the source is cited.
- Failing to acknowledge collaborators on homework and laboratory assignments.
- Internet plagiarism, including submitting downloaded term papers or parts of term papers, paraphrasing or copying information from the internet without citing the source, or cutting and pasting excerpts from various sources without proper attribution.

17.14.1.3 Obtaining Unfair Advantage is any action or attempted action that gives a student an unfair academic advantage over another student or students. Examples of obtaining unfair advantage include:

- Stealing, reproducing, circulating, or otherwise gaining advanced access to examination materials.
- Depriving other students of access to library materials by stealing, destroying, defacing, or concealing them.
- Retaining, using, or circulating examination materials that clearly indicate that they should be returned at the end of the exam.
- Intentionally obstructing or interfering with another student's work.

17.14.1.4 Falsification of Records and Official Documents

Examples of falsification include:

- Forging signatures of authorization.
- Falsifying information on an official academic record.
- Falsifying information on an official document such as a grade report, letter of permission, drop/add form, ID card, or other college document.
- Falsifying medical documentation that has a bearing on campus access or the excuse for absences or missed examinations and assignments.

17.14.1.5. Levels of Plagiarism: would be quantified into following levels in ascending order of severity for the purpose of its definition:

For undergraduate

- (a) Level 0: Similarities up to 20%
- (b) Level 1: Similarities above 21% to 40%
- (c) Level 2: Similarities above 41% to 60%
- (d) Level 3: Similarities above 60%

17.14.1.6. Author shall be required to check for plagiarism by using the software available in the university before submission of assignment, paper to the college/conference/Journal.

Penalties Which Can be imposed

Penalties in the cases of plagiarism shall be imposed on students pursuing studies at the level of undergraduate, Masters and on researcher, faculty & staff of the University only after academic misconduct on the part of the individual has been established without doubt, when all avenues of appeal have been exhausted and individual in question has been provided enough opportunity to defend himself or herself in a fair or transparent manner.

Penalties in case of plagiarism in the submission of assignments, thesis, and dissertations

University Academic Integrity Panel (UAIP) shall impose a penalty considering the severity of the Plagiarism.

For undergraduates

- (I) Level 0: Similarities up to 20% - Minor Similarities, no penalty.
- (II) Level 1: Similarities above 21% to 40% - Such a student shall be asked to submit a revised script within a stipulated time not exceeding 6 months.
- (III) Level 2: Similarities above 41% to 60% - Such a student shall be debarred from submitting a revised script for a period of one year.
- (IV) Level 3: Similarities above 60% -Such student registration for that programme shall be cancelled

17.15 Withdrawals

If a student with academic deficiency desires a withdrawal, he/she may apply for the same using the withdrawal form available in the Office of Assessment.

If a student withdraws without any written permission or absconds, he/she will not be eligible to get any recommendation letter or NO Objection Certificate from the University later.

17.16 Study Time Limitation

The maximum allowable study time for any program is twice the duration of the program's specified study period. For transfer admissions, the maximum study time limitation is determined by doubling the remaining duration of the study period for the year the student is admitted to.

17.16.1 Postponement of Study/Leave of Absence

If a student wishes to postpone his/her study for any reason, she/he must submit a request letter to the Office of Assessment through Dean of respective college. The period of postponement will be up to a maximum of one academic year during the entire period of study.

- Leave of absence for personal and non-medical reasons is processed by the Dean of the respective Colleges upon receipt of a written request from the student.
- Leave of absence may be granted to students, who are in good academic standing (GPA > 2.0).
- For medical leave of absence, students must proceed through the Dean of the College to the Office of Assessment.
- Granting of medical leave will not entitle the student to appear for any exam if the attendance is less than 75% (90% in clinical component for medical program & 95% in clinical clerkship in Nursing program).
- The college reserves the power to strike a student's name from the rolls if they are absent for longer than three months or if they fail to notify the college in writing with good cause.
- If the absence exceeds two years, the institutions will not consider the case of any student for rejoining the program.

17.17 Course Grading System

Students shall be assigned grades (letters) for each course in which they are examined. The letter reflects the student's achievement in the course. The minimum grade for passing a course is letter "C". The grades and their grade point equivalents are given in the table below.

Description	Grade	Grade Point Equivalent	Percentage
Outstanding	A+	4.0	95- 100
Excellent	A	3.75	90- 94
Very Good	B+	3.5	85- 89
Good	B	3.0	80- 84
Satisfactory	C+	2.5	75- 79
Pass	C	2.0	70- 74
Fail	F	Below 2	Below 70
Pass (in pass/fail courses only)	P	-	70 and more
Fail (in pass/fail courses only)	F	-	0-69

17.18 Grade Point Average

Grade Point Average “GPA” reflects the student’s achievements in an academic year; while Cumulative Grade Point Average “CGPA” reflects the student’s achievements in the entire program.

The GPA is calculated by multiplying the grade of each course by the number of its credit hours, and dividing the total by the number of total credit hours taken during the semester.

The CGPA is calculated in a similar manner as the GPA but takes into account all courses a student has taken during the entire program.

Both GPA and CGPA are rounded to the nearest two decimal units.

However, some courses within any program may be denoted as not contributing to the GPA and CGPA (see below)

Example of GPA calculation:

Course	No. of Credits	Grade	Grade Points
Anatomy	3	4	12
Biochemistry	3	4	12
Physiology	3	2	6
Pharmacology	3	3	9
Pathology	3	3	9
Total	15	16	48

$$\text{GPA} = \frac{(3 \times 4 + 3 \times 4 + 3 \times 2 + 3 \times 3 + 3 \times 3)}{3 + 3 + 3 + 3 + 3} = \frac{48}{15} = 3.20$$

General Education courses will be assessed, evaluated and graded as any other course, but their grade points will not be taken into consideration for calculating the GPA or CGPA.

Grades earned in courses taken at other institutions and transferred to the University are not reported and not included in any GPA calculations.

In MD Years 1 and 2, Objective Structured Clinical Assessment (OSCE), which will be evaluated and graded, will not contribute towards GPA and CGPA.

17.18.1 Grade Appeals

Students may view their answer scripts of the Final and Repeat Examination by applying in writing to the Office of Assessment within 5 days of declaration of results. This will be done in the Assessment Office in the presence of an authorized person from that Office.

A student may appeal against a grade of the Assessment within five working days from the announcement of the results of the end-semester / end year / Repeat Assessment by paying the appropriate fees for reevaluation of the answer scripts. A written request together with the receipt of payment should be forwarded to the Office of Assessment. The Office of the Assessment shall make arrangements with the respective Chairperson for reevaluation. If necessary, an Assessment Committee may be called to discuss a change of Grade. Any change of grade will be informed to the student by the Office of Assessment. No revaluation shall be allowed under any circumstances for the MCQs.

17.19 Announcing of Grades

The Grades will be announced as per the dates mentioned in the Academic Calendar.

Students wishing to receive their grades electronically may submit a request to the Office of Assessment and it will be done without any extra cost. Students are required to fill in the appropriate form and hand it over personally to the Assessment Office for this purpose.

Request for results over the telephone will NOT be entertained.

17.20 Graduation

To be eligible for graduation, the student must satisfy each of the following requirements:

- Must have satisfactorily full filled all the academic requirements including attendance.
- Must have obtained pass grades in all courses of the program with minimum CGPA of 2.00.
- Must have participated at least 40 hours of community service to be eligible for graduation.
- At least 50% of total credits required for the program must have been earned at RAKMHSU.
- The student becomes a degree candidate when the program Dean on the advice of Chairperson, recommends him/her to the University Trustees for conferring the appropriate degree.
- Students must have met all financial obligations to the University within the time specified. The certificate for graduation and transcripts will be withheld if there are any dues to the university.
- In order to qualify for graduation the student must earn the following credits for the respective programs:

MD	BDS	BPharm	BSN	RN-BSN Bridge
226	201	160	120	60

These credits are inclusive of General Education courses.

17.21 Bachelor Degree Academic Honors

Academic Honoring of the Bachelor Degree is classified as follows:

CGPA 3.75 or higher	:	Pass with Distinction
CGPA 3.0 - 3.74	:	Pass with Merit
CGPA 2.0 - 2.99	:	Pass

17.22 Academic Awards

Academic performance will be judged based on the cumulative GPA for the courses during the academic year, excluding General Education and any other courses not included in CGPA for the program.

In the event of a tie the positions will be decided by raw scores obtained by the students, participation in co-curricular activities such as scientific conferences, workshops etc., attendance and extra-curricular activities in that order. To be placed on the Students' Academic Honor List, a student must:

- Have passed all courses offered for the academic year including general education at the main Final Examination.
- Have at least a CGPA of 3.5 or higher for every academic year during the program.
- Have no disciplinary action against him/her/for the last two years.

a) Annual Academic Honors

Each academic year, The University awards honors to students with the best academic achievement during that academic year. The top three performers in each of the years in all undergraduate programs will be awarded the honors. Award is given at the University Awards day.

b) President's Merit List

Students who have successfully completed the undergraduate program with Distinction (CGPA of 3.75 and above) are listed in the President's Merit list. Award is given at the University convocation.

c) University Gold Medal

University Gold Medal is given for Best Academic Performance and Best Outgoing Student with highest CGPA of that batch. Award is given at the University convocation.

17.23 Transcripts

A transcript is a copy of a student's permanent academic record, duly certified by the Office of Assessment, and bearing the seal of the University and is issued at the completion of program. It contains the following information:

- A listing of all courses registered and the grades achieved.
- A statement of the degree attained including the date of graduation.

Student may request transcripts of their academic record at the Office of Assessment upon written request approved by the Dean of the respective College, along with the prescribed fee.

17.24 Award of Degree

Degree certificates in English and Arabic shall be processed by the Office of Assessment. To avail degree certificate, the student must satisfy graduation requirements. Degree certificates shall be issued during Convocation which will be held annually.

Section 17.25 - 17.36

Students are advised to refer the respective section for rules pertaining to the Assessment guidelines of their specific program.

Section I	-	Applicable to MD Program
Section II	-	Applicable to BDS Program
Section III	-	Applicable to B.Pharm Program
Section IV	-	Applicable to BSN / RN-BSN
Course(s) - wherever stated in this catalog also refers to module(s).		

Section I

Applicable to MD Program

Part A - Applicable for Pre-Medical and Preclinical Sciences of MD Years I, II, III and IV

17.25 Assessment Methodologies

The curriculum for the Pre- Medical Sciences of first two years of MD program involves activities that prepare a student for preclinical and clinical sciences such as course work, volunteer activities, clinical skills, research and the application process. It has a total of 72 credits.

This is followed by the preclinical courses consisting of modules for next two years. It has a total of 72 credits (47 preclinical and 25 clinical). MD year 4 will have preclinical modules and clinical courses as well. The modules include, Musculoskeletal, Cardiovascular System, Clinical Skills, Clinical Decision Making, Genitourinary System, Gastrointestinal System, Endocrine, Respiratory System and Neurology and Behavioral Sciences. The clinical courses include, community medicine, internal medicine, general surgery, orthopedics, otorhinolaryngology, ophthalmology, and clinical decision making.

There is both Continuous Assessment and Final Examination for each course/module. Both components are applied for assessment of theory and practical learning.

Continuous assessment is performed throughout the academic year and the Final Examination conducted at the end of the academic year. Combination of the grades achieved by the students in these components gives the final grade that the students achieve at the end of each year. Progression along the course/module is decided at the end of each academic year.

Continuous assessment contributes 60% and Final Examination contributes 40% towards the final grades (Both for theory and practical) and these components have to be passed together. In case of failure in Final Examination, both theory and practical exams have to be repeated in repeat Assessment.

Continuous assessment exams are conducted by the basic sciences departments of RAKCOMS

17.25.1 Continuous Assessment

a) Theory

There will be two theory Assessment in each course/module. One is at the middle of each course/module called the Mid-Course/Module Exam and another at the end of each course called the End Course/Module Exam. The Assessment is of MCQ type.

An average of the grades obtained in these two Continuous Assessment Test will be calculated and this will contribute 40% to the total theory continuous assessment.

b) Objective Structured Practical Assessment (OSPE)

There will be one OSPE at the end of each course/module. It will contribute 30% to the total continuous assessment.

c) Team based learning (TBL)

TBL will be scheduled at frequent intervals throughout the course/module.

Each TBL consists of Individual readiness assurance test (I - RAT) and Team readiness assurance test (T-RAT).

Weightage for I - RAT is 60% and T- RAT is 40%, to calculate the final grade achieved by each student for a particular TBL

Average of all TBL's conducted in each course/module is taken and they will contribute 20% to the total continuous assessment.

d) Assignments

Assignments will be given for course/modules as specified in the course syllabi. It will contribute 10% to the total continuous assessment.

Distribution of Continuous Assessment

Assessment Component	Percentage of Weightage
Theory	40%
OSPE	30%
TBL	20%
Assignments	10%
Total	100%

e) Clinical Skills:

Continuous assessment in clinical skills is of Objective Structured Clinical Assessment (OSCE) and will be conducted one for each semester. There is no Final Examination. However, OSCE will be assessed and graded like in any other course but the grade points will not be included in the GPA of the semester and overall CGPA

Part B - Applicable to MD Program, Years 4, 5 and 6(Clinical Courses)

17.26 Assessment Methodologies for MD Years 4, 5 and 6

Assessment in the clinical years (Years 4, 5 and 6) of the MD program while retaining the general principles of the assessment system of the University caters to the teaching and clinical rotations which form the basis of learning in these years.

There is both continuous assessment and Final Examination. Each of these two components is applied to both theory and clinical.

Continuous assessment occurs throughout the academic year and the Final Examination is conducted at the end of the academic year. Combination of these components gives the grades the student achieves at the end of the year. Progression along the course is decided at the end of each academic year.

Continuous assessment and Final Examination will contribute 50% each to the final scores for theory/ clinical separately and these components have to be passed separately. In case of failure in final exams, only the failed component has to be repeated in repeat exam.

17.27 Continuous Assessment

17.27.1 Continuous Assessment - Theory Continuous Assessment Test

There will be two theory Assessment, at approximately 12 week intervals throughout the teaching period of the Academic Year. These will be in the same format as the Final Assessment. The dates shall be announced by the University / Office of the Dean.

- The average scores of the two Continuous Assessment Test will contribute 70% to the total theory continuous assessment.
- Continuous Assessment comprises of multiple choice questions (MCQ) only. The number of questions will be related to the theory credit hours of the respective courses.
- Continuous Assessments will be conducted on consecutive days without any gap between Assessment for different courses.
- In each of the two Continuous Assessments, students will be examined on only part of the content of the course.

1st Continuous Assessment - from beginning of year up to 1st Assessment

2nd Continuous Assessment - from 1st Assessment up to 2nd Assessment

- The Deans will notify the students about the schedule of the Continuous Assessment - including the date, time and venue.

Team Based Learning (TBL)

TBL will be scheduled at frequent intervals throughout the courses.

Each TBL consists of Individual readiness assurance test (I - RAT) and Team readiness assurance test (T-RAT). To calculate the final grade achieved by each student for a particular TBL, 60% weightage for I-RAT & 40% weightage for T-RAT is given.

Average of all TBL's conducted in each course is taken and they will contribute 30% to the total continuous assessment.

17.27.2 Continuous Assessment - Clinical

Continuous assessment in Clinical Clerkship Rotation will be carried out for each course. Where more than one clinical posting is scheduled under one course, assessment will be an overall one, but one which incorporates elements from each posting. Generally, in each course, assessment will be under the components mentioned below.

Mini CEX

Students are required to conduct a medical interview and perform physical Assessment in a hospital setting under direct supervision of the clinical examiner. Following this the examiners may question the student on their findings and conclusions. There will also be OSCE during the end rotation Assessment.

- Mini CEX and OSCE will contribute 70% to the clinical component of continuous assessment.
- Log book, Case Review and Case presentations
- Each of these components will contribute 10% to clinical continuous assessment, adding up to 30% of clinical continuous assessment
- Requirement for each clinical clerkship may be different and will be informed to the students at the beginning of the rotation.

17.27.3 Completion of Clinical Clerkship

Completion of a clinical clerkship is based on satisfactory attendance, performance at Mini CEX and fulfillment of the Log Book, Case Review and Case Presentation requirements. If attendance is less than 90%, but not less than 75%, the student will not be eligible to appear for end rotation Mini CEX exam till he/she compensates by attending clinical rotations during university breaks (winter break and revision break etc.). If the attendance is less than 75% the student will have to repeat the whole year for both theory and clinical rotation component of such course/s.

Weightage Distribution of Clinical Assessment

Assessment Component	Percentage of Weightage
Mini CEX	70%
Log Book	10%
Case Review	10%
Case Presentations	10%
Total	100%

17.28 Final Examination

The Final Examination will be the final Assessment for the course for the academic year. It will be conducted by the Office of Assessment.

Eligibility for the Final Examination

To appear for the Final Exam a student must have both the following requirements:

- A minimum attendance of 75% for the course during the semester
- A minimum attendance of 75% for Dental clinical courses, 90% for Medical clinical rotations.

The Final Exam will include a theory component and a clinical/practical component. The theory component will include MCQ while the clinical component will be tested with objective structured clinical Assessment (OSCE/OSPE).

The number of question items for OSCE/OSPE will be generally proportionate to the clinical credit hours for the course and will be decided by the Dean, RAKCOMS. OSCE/OSPE for several courses may be conducted simultaneously in one circuit.

17.28.1 Pass grade in Clinical Courses

A student is expected to score a minimum of GPA 2.00 in each of the components separately in theory and Clinical (OSCE). A student who fails in theory or OSCE will appear for the respective component only for Repeat Assessment. Continuous assessment and final exams will have equal contributions (50% of each) towards the overall grading for the course.

17.29 IFOM: (International Foundation of Medicine)

IFOM (International Foundation of Medicine) Assessment for basic sciences & clinical sciences will be held at the end of year IV and year VI of the MD program respectively for all students enrolling for the MD program starting September 2022, as RAKMHSU is now approved by NBME USA. IFOM will be mandatory for all the students to undertake both the components of these Assessment (Basic and Clinical Components) at the end of MD Year IV and VI respectively. For all other students/interns/ex-students, IFOM will be held twice a year mainly in December /June at Institutional subsidized pricing, depending upon the student's enrollment.

Section II

Applicable to BDS Program

17.30.1 Assessment Methodologies

There is both Continuous Assessment and Final examination for each Course. Both components are applied for assessment of theory and practical learning.

Continuous assessment is performed throughout the academic year and the final exam is conducted at the end of the academic year. Combination of the grades achieved by the students in these components gives the final grade that the students achieve at the end of each year. Continuous assessment contributes 60% and final exam contributes 40% towards the final grades.

17.30.2 Continuous Assessments

For courses assessed over two semesters

There will be two Continuous Assessments in theory held during designated periods within the two semesters (one academic year). The average scores of the two Continuous Assessment Test will contribute to the total theory continuous assessment.

For courses assessed after one semester

There will be one Continuous Assessment in theory held during designated periods within the semester.

The format of these Assessment will be the same as that of the theory final exam and will include multiple choice questions (MCQ). In each of the Continuous Assessments, students will be examined on only that part of the content which has been taught until that period of the course.

- The Dean of the College will notify the students about the schedule of the Continuous Assessment and Makeup Continuous Assessment - including the date, time, and venue.
- During Continuous Assessments, one or more "Observers" may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

17.30.2 Quizzes

- Quiz is a mini written assessment testing a small area/topic in the course.
- Quizzes may comprise of any one or a combination of MCQ, short answer and problem solving exercises.
- Quiz is to be conducted during the regular class hour for that particular course, with prior announcement.

For courses assessed over two semesters

- There will be a minimum of two quizzes in the academic year.

For courses assessed after one semester

- There will be a minimum of one quiz in the semester.

The average scores of all Quizzes conducted will contribute to the total continuous assessment.

17.30.3 Assignments

- Assignments may take the form of written reports, presentations, projects and group work.
- Assignments to be conducted at the discretion of the faculty.
- The faculty shall fix the precise date of submission
- Different topics can be given to different students or different group of students. The topics for the assignments will be announced at least 2 weeks in advance.
- The faculty shall provide the detailed guidelines to the students on the format of the assignment.

17.30.4 Team Based Learning (TBL)

TBL will be scheduled as per the need of the course by the faculty

Each TBL consists of Individual readiness assurance test (I - RAT) and Team readiness assurance test (T-RAT). To calculate the final grade achieved by each student for a particular TBL, 60% weightage for I-RAT & 40% weightage for T-RAT is given.

Assignments/ TBL/PBL can replace Quizzes as per the nature of the course.

17.30.4.1 Practical continuous assessment in General Education, Basic and Medical Sciences

For annual courses with practical credit hours, two assessments in practical will be held during the academic year. The average scores of two practical assessments will contribute to the total continuous assessment.

For semester courses with practical credit hours, one assessment in practical will be held during the semester.

- Practical assessments will take place during the practical periods allocated in the time table.
- Practical assessments may be timed to coincide with the day of Continuous Assessments in theory.
- Alternatively the faculty may hold them at other times but at approximately equal intervals.
- Practical will be in the form of objective structured practical Assessment (OSPE) or practical Assessment according to the nature of the course.
- Course Assessment/Grading System for General Education and Basic Sciences Courses with Practical Components

Course Assessment for General Education and Basic Sciences Course with /without Practical Components

Assessment Components	Continuous Assessment		Final Examination	
	With Practical	Without Practical	With Practical	Without Practical
Continuous Assessment (Mid -Term)	50%	70%	70%	100%
Quizzes / TBL /PBL	20%	30%		
Practical / OSPE	30%	--		

17.30.5 Protocols for Evaluation of Students' Pre-Clinical/Clinical Competencies

Pre-clinical/clinical training is given in the dental labs and dental clinics. Pre-clinical competency is the ability essential for the dental student to begin clinical dental practice.

- There are Continuous Assessment and Final Practical/ Clinical Assessment.
- Continuous assessment occurs throughout the semester/ academic year for semester/ annual courses.

Final Practical/ OSPE/ OSCE/ Clinical Assessment is conducted at the end of the semester for semester courses and end of academic year for annual courses.

Continuous assessment in practical will be in the form of objective structured practical Assessment (OSPE) or practical Assessment according to the nature of the course.

- Combination of these components gives the final grades to the students.
- Course Assessment / Grading System for Preclinical and Clinical Courses: Practical/OSPE/OSCE/Clinical Components will contribute 50%, remaining 50% is allocated for Theory Components.

17.30.6 Assessment Methodology in Pre-Clinical Courses of BDS

- Steps of each procedure are described and practiced by the student during the pre-clinical training. These steps are detailed in the evaluation form to be filled for each procedure and these will be assessed and marked by the mentor / faculty, before the student proceeds to the next step.
- The pre-clinical skill and treatment plans are presented by students at seminars and discussed as part of the assessment.
- To ensure that the student master the various pre-clinical procedures, carried out in general dental labs, competency tests in all specialties are administered periodically.

For courses assessed over two semesters

- For courses with practical credit hours, two/three assessments in practical/ OSPE will be held during the academic year based on the course syllabus. The average of all practical assessments will contribute 50% to the total continuous assessment.

For courses assessed after one semester

- For courses with practical credit hours, one assessment in practical / OSPE will be held during the semester.

Course Assessment for Preclinical Courses

Assessment Components	Continuous Assessment	Final Examination
Continuous Assessment (Mid-Term)	40%	50%
Quizzes / TBL /PBL	10%	
Practical / OSPE	50%	

17.30.7 Assessment Methodology for Clinical Components of BDS Program Clinical Assessment Methodology

Students' competency on clinical skills in the various specialties is assessed on a specially designed Clinical Assessment competency criteria

Student must obtain minimum 50% score in each section and an overall average of 60% to pass the clinical Assessment.

Students failing to achieve the competency/pass the Assessment will be provided an opportunity to reappear in clinical Assessment within 2 weeks period.

The individual course includes course description for clinical skills, requirements, clinical work and clinical Assessment criteria with score distribution in each section

Clinical competency Assessment is conducted in all clinical disciplines of dentistry, as given in the Clinical Manual - Policies, Procedures & Assessment Criteria for Clinical Competency.

- The Clinical Requirements for each course may be different and are mentioned in course syllabus and clinical manual

17.30.8 Clinical Continuous Assessment

Continuous assessment of clinical components will be in the form of Objective Structured clinical Assessment (OSCE) and Clinical Assessment.

Clinical Assessment assess the skills of the students in carrying out treatment and other relevant procedures. Each of these clinical procedures will be evaluated using the designated clinical competency forms as given in the clinical manual

For courses assessed over two semesters

- To assess the clinical competency, there will be three assessments during the whole academic year.
- First Clinical Assessment for the clinical component will be in the form of OSCE. They may be timed to coincide with the day of first Continuous Assessments in theory during the fall semester.

Second Assessment will be Clinical Assessment starting from 12th week till 16th week of the fall semester.

Third Assessment will be Clinical Assessment starting from 8th week till the 12th week of spring semester.

All three assessment will contribute to 50 % for the total continuous assessment, remaining 50% will be final clinical Assessment.

For courses assessed after one semester

Continuous assessment of clinical components will be in the form of OSCE/Clinical Assessment.

There will be one assessment during the whole semester, which will contribute 50% of clinical components, remaining 50% will be final clinical Assessment / OSCE.

Course Assessment for Clinical Courses

Assessment Components	Continuous Assessment	Final Examination
Continuous Assessment (Mid -Term)	40%	50%
Quizzes / TBL /PBL	10%	
Practical / OSPE	50%	50%

17.31 Final Preclinical and Clinical Assessment

The Final Clinical Assessment will be the final Assessment for the course.

The clinical component will be tested with objective structured clinical Assessment (OSCE) and/or Clinical Case Procedures. The proportion of scores for these two components may vary based on the nature of the course but will be notified to the students in advance

Clinical case procedures will be assessed using the prescribed assessment forms for each subject as given in the clinVical manual; Policies, Procedures & Assessment Criteria.

Eligibility for the Final Examination

To appear for the Final Pre-clinical/Clinical Examination a student must have completed all preclinical and clinical requirements.

17.31.1 Pass grade in Courses with Practical/Pre-clinical/Clinical Components

To appear for the final theory Assessment a student must have passed the practical/ preclinical / clinical components of the continuous assessment of that course. To achieve an overall pass grade a student has to obtain a minimum passing Grade (60%) in OSPE, OSCE/ practical / preclinical / clinical components (combination of continuous assessment and Final Examination) of the course. The final grade for each course will be based on the combined scores of theory and clinical components. A student will not pass the course if the score for the theory / practical / pre-clinical / clinical components are below minimum pass level, even if the total overall score for theory and clinical taken together exceeds the minimum pass level. Students who obtain minimum pass grade in the practical / pre-clinical / clinical component of the course and fail in final Assessment will repeat only the theory component of the course in the repeat 1 and repeat 2 Assessment.

Please refer to Preclinical and Clinical Manual of RAKCODS for requirements and continuous evaluation of practical / preclinical / clinical work.

Section III

Applicable to B Pharm Program

17.32 Continuous Assessment

Continuous assessment contributes 60% to the final marks for all the courses both in theory and practical. The methodology for conducting various continuous assessment components and their respective weightage are as

follows:

17.32.1 In-course Assessment (50% weightage) - (Theory)

- There will be only ONE In-Course Assessment (ICA) held during designated periods within the semester.
- The marks of In-course Assessment (ICA) will contribute 50% of the total continuous assessment marks. The format of this Assessment will be the same as that of the theory Final Examination and will include multiple choice questions (MCQs). However, the number of MCQs will be approximately half the number of the Final Examination.
- In-course Assessment will be conducted on alternate day's Assessment for different courses.
- The Dean of the College will notify the students about the schedule of the In-course Assessment, including the date, time, and venue.
- During In course Assessment, one or more "Observers" may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

17.32.2 Continuous Assessment (50% weightage) - (Practical)

- For courses with practical/clinical credit hours, ONE assessment in practical will be held during the semester.
- The practical assessments will take place during the regular practical hours allocated in the time table
- The marks obtained in the practical assessment will contribute 50% of the total continuous assessment marks.
- Daily assessment during practicals through the semester contributes to 25% of the total marks. Laboratory report writing, viva voce etc., contributes to 25% of the total marks.

Continuous assessment in practical will be in the form of objective structured practical Assessment (OSPE), objective structured clinical Assessment (OSCE) or practical Assessment according to the nature of the course.

17.32.3 Written test* (20% weightage)

- There will be one written test per semester, and its placement will be notified at the beginning of the semester.
- Written test can be in the form of written reports, presentations, projects etc., relevant to the course as decided by the course faculty.
- The marks obtained in the written test will contribute 20% to the total continuous assessment of marks
- The date for the written test will be announced at least one week in advance and conducted during the regular theory hours.
- The faculty shall provide the detailed guidelines to the students on the format of the test.
- For courses without TBL, there will be 2 written tests of 25 marks each.

17.32.4 Team Based Learning (TBL) (20% weightage)

One Team Based Learning (TBL) session is conducted per course during the semester. Contents of TBL sessions will be assessed at theory Assessment.

- The marks obtained in the TBL sessions over the semester will contribute 20% to continuous assessments
- Each TBL assessment consists of two components: individual readiness assurance test (i-RAT) and team readiness assurance test (t-RAT). i-RAT will contribute 60% and t-RAT will contribute 40% for calculation of final grade achieved by each student for a particular TBL. i-RAT and t-RAT will consist of ten MCQs.
- The topic and the study material will be made available to the students one week before the TBL session.
- TBL may be conducted as stand-alone or integrated among several courses wherever possible and the marks awarded will be equally distributed among the integrated courses (e.g. if a student gets 5 out of 10 marks in an integrated TBL of Pharmacotherapeutics/Pharmacology/ Clinical Pharmacy, he/she will get 5 out of 10 in all the three individual courses). When integrated TBL is not possible, individual TBL will be conducted. However, this will be solely at the discretion of the College Dean.

17.32.5 Self Directed Learning (SDL) (10% weightage)

- Self-Directed Learning (SDL) sessions will be conducted for all the courses as per the weekly time table during the semester.
- SDL activity for each course will be assessed at the completion of each SDL session and will contribute 10% marks to the continuous assessments.
- SDL assessment will be conducted in the form of presentation/quiz/scenario/vignette.

Results of each continuous assessment will be made available to the students within 1 week of its conduct. At the end of all the assessments, the College Dean will submit the raw marks for all the evaluation components to the Office of the Assessment in the given format after due review/verification, if any.

All continuous evaluation reports, in the given formats, will be properly signed by faculty/Chairpersons before being sent to the Office of Assessment through the College Dean. The Office of Assessment may return the marks for departmental clarification or reconsideration if any discrepancy or inconsistency appears.

17.33 Distribution of Marks

The marks distribution for B.Pharm program is shown in the table below (there may be minor variations depending on the specific needs of some courses).

Theory			Practical		
Continuous Assessment (%)		Final Examination	Continuous Assessment (%)		Final Examination
In Course Assessment	50	MCQs 100	In Course Assessment	50	OSPE/OSCE Practical Assessment
Written Test	20		Daily assessment	25	
TBL	20		Lab Manual, V IVA	25	
SDL Assessment	10				
Total	100	100	Total	100	100
Ratio for Final Mark	60	40	Ratio for final mark	60	40

SUMMARY OF CONTINUOUS ASSESSMENT		
S.No.	Item	No. of Assessments
1	In Course Assessment	1*
2	Written Test	1**
3	TBL	1
4	SDL Assessment	1
5	Practical Assessment	1

*However, there will be an additional ICA for those students who were absent / got less marks due to valid reason.

** For courses without TBL, there will be 2 written tests of 25 marks each.

Section IV

Applicable to BSN / RN-BSN Bridge Program

Part A - Applicable to ALL Courses for BSN and RN-BSN

17.35 Continuous Assessment

Assessment in the BSN and RN-BSN clinical courses follows the general principles of the assessment system of the University but is adjusted for the specific needs of the clinical practice in Nursing. There are continuous assessments and Final Exam in both theory and clinical components of these courses.

For courses taught over two semesters, continuous assessment occurs in November and March. For courses taught over one semester, there is one continuous assessment mid-semester either in November or in March. Final Exam is conducted at the end of the academic year if two-semester courses or at the end of the semester in semester courses.

Combination of these components in addition to other components gives the grade of the course at the end of the semester or year, depending on if it is semester or year course. Eligibility to progress to the following year of study is decided at the end of each academic year.

Continuous assessment will contribute 60% and Final Exam 40% in each of the two components, theory and clinical.

The overall scores of each component, theory and clinical, will contribute 100% each towards the grade of the student in that course. Separate passing for theory and clinical for core nursing courses is mandatory

17.35.1 Continuous Assessment Theory

For courses assessed over two semesters

- There will be two Continuous Assessments in theory held during designated periods within the two semesters for both the BSN and RN-BSN program.
- The average of two assessments will contribute 50% of total continuous assessments.
The format of these Assessment will be the same as that of the theory Final Exam and will include multiple choice questions (MCQ).
- In each of the continuous assessments, students will be examined on only that part of the content which has been taught until that period of the course.

1st Continuous Assessment Test - from the beginning of the year up to the 1st Assessment

2nd Continuous Assessment Test - from 1st assessment up to 2nd Assessment

- The continuous assessment will be conducted on consecutive days without any gap between Assessment for different courses.
- The Dean of the college will notify the students about the schedule of the continuous assessment including the date, time, and venue.
- During continuous assessments, one or more "Observers" may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

For courses assessed after one semester

- There will be one Continuous Assessment in theory held during a designated period within the semester, which will contribute 50% of the total continuous assessment.

The format of the Assessment will be the same as that of the theory Final Exam and will include multiple choice questions (MCQ)

- The Continuous Assessment will be conducted on consecutive days without any gap between Assessment for different courses.
- The Dean of the College will notify the students about the schedule of the continuous assessment – including the date, time, and venue.
- During continuous assessment, one or more “Observers” may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

17.35.2 Assignments**For courses assessed over two semesters**

- There will be two assignments per academic year, and its placement is left to the course coordinator.
- Assignments may take the form of written reports, presentations, projects, group work relevant to the course, critique, analysis & problem solving etc.
- The average mark of the assignments will carry 20% of continuous assessment.
- The faculty shall fix the precise date of submission and once the date is fixed, the faculty must maintain the deadline.
- Different topics can be given to different students or different group of students. The topics for the assignments will be announced at least 2 weeks in advance.
- The faculty shall provide the detailed guidelines to the students on the format of the assignment.
- For courses without TBL, Assignments will contribute 30% of the total continuous assessment.

For courses assessed after one semester

- There will be a minimum of one assignment, and its placement is left to the course coordinator.
- Assignments may take the form of written reports, presentations, projects, group work relevant to the course, critique, analysis & problem solving etc.
- Assignments will carry 20% of continuous assessment.
- The faculty shall fix the precise date of submission and once the date is fixed, the faculty must maintain the deadline.
- Different topics can be given to different students or different groups of students.
- The topics for the assignments will be announced at least 2 weeks in advance.
- The faculty shall provide the detailed guidelines to the students on the format of the assignment.
- For courses without TBL, Assignments will contribute 30% of the total continuous assessment.

17.35.3 Quizzes

For courses assessed over two semesters

- Quiz is a mini written assessment testing a small area/topic in the course. The objectives of conducting the Quizzes are to motivate the students to learn and assess the level of knowledge on a continuous basis, and encourage analytical and critical thinking ability of students on selected topics.
- There will be two quizzes in the academic year
- Quizzes may comprise of any one or a combination of MCQ, RRE and problem solving exercises.
- The average of the two Quizzes will contribute 15% of the total continuous assessment. However for courses with no TBL, the contribution will be 20%.
- Quiz is to be conducted during the regular class hour for that particular course, with prior announcement.

For courses assessed after one semester

- Quiz is a mini written assessment testing a small area/topic in the course. The objectives of conducting the Quizzes are to motivate the students to learn and assess the level of knowledge on a continuous basis, and encourage analytical and critical thinking ability of students on selected topics.
- There will be one quiz in the semester.
- Quiz may comprise of any one or a combination of MCQ, RRE and problem solving exercises.
- The quiz will contribute 15% of the total continuous assessment. However, for courses with no TBL, the contribution will be 20%.
- Quiz is to be conducted during the regular class hour for that particular course, with prior announcement.

17.35.4 Team Based Learning (TBL)

- A minimum of one TBL will be conducted per semester.
- Weightage of 15% derived from the evaluation of TBL process with iRAT and tRAT scores
- Contents of TBL sessions will be assessed during theory Assessment.
- TBL is ideally integrated among several courses and the score awarded will be taken into all the integrated.

courses equally (e.g. if a student gets 10 out of 15 score in an integrated TBL of Anatomy, Physiology and Biochemistry, he/she will get 10 out of 15 in all the three individual courses). When integrated TBL is not possible, individual course TBL shall be planned. The IRAT & TRAT contribution will be 60% and 40% respectively.

Results of each continuous assessment will be made available to the students within 1 week of its conduct. At the end of all the assessments, the respective College Deans shall submit the raw score for all the evaluation components to the Office of the Assessment in the given format after due review/verification if any.

All continuous evaluation reports, in the given formats, shall be properly signed by faculty/Chairpersons before being sent to the Office of Assessment through the respective College Deans. The Office of Assessment may return the evaluation report for the departmental clarification or reconsideration if any discrepancy or inconsistency appears.

17.35.5 Continuous assessment (CA) and grading for all Nursing Courses:**Theory:**

CA	CA Test	PBL / TBL	Quiz	Assignment	Total
	50%	15%	15%	20%	100%

Final score for Core Nursing Courses will be: CA + Final Exam : 60% + 40% = 100%

17.35.6 Continuous assessment (CA) and grading for Nursing Courses with practical

Distribution of final score for theory: CA + Final Exam: 60%+40% = 100%, from which 70% will contribute towards the theory component.

Distribution of final score for practical: The weightage of 30% is from continuous assessment of the practical component

Final score for non-core nursing courses with practical will be: Theory + Practical =70% + 30% =100%

17.35.7 Continuous Assessment - Clinical

Continuous assessment in simulation clinical work will be carried out for each course. Generally, in each course, assessment will be under the components mentioned below.

Objective Structured Clinical Assessment (OSCE)

- Two OSCEs will be held at regular intervals throughout the academic year for the BSN and RN-BSN Bridge program.
- They may be timed to coincide with the day of continuous assessments in theory. Alternatively the department may hold them at other times but at approximately equal intervals. In this case, the Simulation/Clinical Assessments will take place during the practical periods allocated in the time table.

The average of two OSCEs for both programs will contribute to 35% to the total continuous assessment Simulation / Clinical Evaluation

- Students overall simulation clinical performance during postings will be evaluated and contribute 25% to clinical continuous assessment.

Clinical Assignment

- Will contribute 25% to Simulation/Clinical Continuous Assessment
- Requirements may vary from course to course

Case Presentations

- Case presentations will contribute 15% to Simulation/Clinical Continuous Assessment.
- Requirement for each course may be different and will be informed to the students by the faculty in charge. Results of each continuous assessment will be made available to the students within 1 week of its conduct. At the end of all the assessments, the respective College Deans shall submit the raw score for all the evaluation components to the Office of the Assessment in the given format after due review/verification if any. All continuous evaluation reports, in the given formats, shall be properly signed by faculty / Chairpersons before being sent to the Office of Assessment through the respective College Deans. The Office of Assessment may return the evaluation report for the departmental clarification or reconsideration if any discrepancy or inconsistency appears.

17.35.8 Assessment & Grading System: Simulation Clinical:

CA	OSCE	Simulation / Clinical	Clinical	Case	Total
	35%	25%	25%	15%	100%

Final Exam : 40%

Final score for Simulation/Clinical will be : CA + Final Exam : 60% + 40% = 100%

* Every student must pass theory and simulation clinical separately. If a student fails in the Simulation/Clinical Assessment he /she will have to repeat the theory and clinical Assessment.

Final Examination

Eligibility for appearing for university Assessment is 75% attendance for Theory courses and 95% for Simulation/Clinical Rotations.

Failure to appear for the final examination will result in grade "F". Students failing a course have to appear and pass the repeat Assessment/s to be promoted to next academic year.

- A student will be permitted a maximum of eight academic years for BSN and four academic years for RN-BSN Bridge to complete the program.

Part B: Applicable to Basic Sciences Courses

The courses included are:

1. Anatomy (NAN7103)
2. Physiology (NPH7103)
3. Microbiology (NMB7103)
4. Human Biochemistry (NHB7203)
5. Pathology (NPA 7203)
6. Pharmacology in Nursing (NPN7203)

17.36.1 Continuous Assessments

For courses assessed over two semesters

- There will be two Continuous Assessments in theory held during designated periods within the two semesters for both the BSN and RN-BSN program.
- The average of the two assessments will contribute 50% of total continuous assessments. The format of these Assessment will be the same as that of the theory Final Examination and will include multiple choice questions (MCQ).

In each of the Continuous Assessments test, students will be examined on only that part of the content which has been taught until that period of the course.

1st Continuous Assessment Test - from beginning of year up to 1st Assessment

2nd Continuous Assessment Test - from 1st Assessment up to 2nd Assessment

- The continuous assessment will be conducted on consecutive days without any gap between Assessment for different courses.
- The Dean of the college will notify the students about the schedule of the continuous assessment – including the date, time, and venue.
- During continuous assessments, one or more “Observers” may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

For courses assessed after one semester

- There will be one Continuous Assessment in theory held during a designated period within the semester. The format of the Assessment will be the same as that of the theory Final Exam and will include multiple choice questions (MCQ)
- Students will be examined on the topics prior to the continuous assessment
- The Continuous Assessment will be conducted on consecutive days without any gap between Assessment for different course.
- The Dean of the College will notify the students about the schedule of the continuous assessment – including the date, time, and venue.
- During continuous assessment, one or more “Observers” may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

17.36.2 Practical Continuous Assessment

For courses assessed over two semesters

- For courses with practical credit hours, two assessments in practical will be held during the academic year.
- They may be timed to coincide with the day of Continuous Assessments in theory. Alternatively the Department may hold them at other times but at approximately equal intervals. In this case, the practical assessments will take place during the practical periods allocated in the time table.

- The average of the two practical assessments will contribute 30% to the total continuous assessment.

Continuous assessment in practical will be in the form of Objective Structured Practical Assessment (OSPE)

For courses assessed after one semester

- For courses with practical credit hours, one assessments in practical will be held during the semester.
- They may be timed to coincide with the day of Continuous Assessments in theory or scheduled at other times by the relevant Department and will be held at approximately equal intervals. In the latter case, the practical assessments will take place during the practical periods allocated in the time table
- The one practical assessment will contribute 30% to the total continuous assessment.
- Continuous assessment in practical will be in the form of Objective Structured Practical Assessment (OSPE).

Courses with no practical credits - The weightage distribution for continuous assessment will be: Continuous Assessments = 40%, Quiz = 15%, Assignment = 20%, TBL = 25%

17.36.3 Assignments

For courses assessed over two semesters

- There will be two assignments per academic year, and its placement is left to the Course Coordinator. If the course is without TBL, assignments will be increased to three to four.
- Assignments may take the form of written reports, presentations, projects, group work relevant to the course, critique, presentations, analysis & problem solving etc.
- For courses with TBL, assignments will carry 15% of continuous assessment. In courses without TBL, assignments will contribute 20% to continuous assessment.
- The faculty will fix the date of submission and maintain the deadline.
- Different topics can be given to students or groups and will be announced at least 2 weeks in advance with the detailed guidelines.

For courses assessed after one semester

- There will be one assignment per semester, and its placement is left to the Course Coordinator. If course is without TBL the assignments will be increased to two or three.
- Assignments may take the form of written reports, presentations, projects, group work relevant to the course, critique, presentations, analysis & problem solving etc.
- For courses with TBL, assignments will contribute 15% of continuous assessment. In courses without TBL, assignments will contribute 20% to continuous assessment.
- The faculty will fix the date of submission and maintain the deadline.
- Different topics can be given to students or groups and will be announced at least two weeks in advance with the detailed guidelines.

17.36.4 Quizzes

For courses assessed over two semesters

- Quiz is a mini written assessment testing a small area/topic in the course. The objectives of conducting the quizzes are to motivate the students to learn and assess the level of knowledge on a continuous basis, and encourage analytical and critical thinking ability of students on selected topics.
- There will be two quizzes in the academic year.
- Quizzes may comprise of any one or a combination of MCQ, RRE and problem solving exercises.
- The average the two quizzes will contribute 15% of the total continuous assessment. However for courses with no TBL, the contribution will be 20%.
- Quiz is to be conducted during the regular class hour for that particular course, with prior announcement.

For courses assessed after one semester

- Quiz is a mini written assessment testing a small area/topic in the course.
- The objectives of conducting the Quizzes are to motivate the students to learn and assess the level of knowledge on a continuous basis, and encourage analytical and critical thinking ability of students on selected topics.
- There will be a minimum of one quiz in the semester.
- Quizzes may comprise of any one or a combination of MCQ, RRE and problem solving exercises.
- The quiz will contribute 15% of the total continuous assessment. However for courses with no TBL, the contribution will be 20%.
- Quizzes are to be conducted during the regular class hour for that particular course, with prior announcement.

17.36.5 Team Based Learning (TBL)

- A minimum of one TBL will be conducted per semester.
- Weightage of 15% derived from the evaluation of TBL process with iRAT and tRAT scores
- Contents of TBL sessions will be assessed during theory Assessment.
- TBL is ideally integrated among several courses and the score awarded will be taken into all the integrated courses equally (e.g. if a student gets 10 out of 15 score in an integrated TBL of Anatomy, Physiology and Biochemistry, he/she will get 10 out of 15 in all the three individual courses). When integrated TBL is not possible, individual course TBL shall be planned.

Results of each continuous assessment will be made available to the students within 1 week of its conduct. At the end of all the assessments, the respective College Deans shall submit the raw score for all the evaluation components to the Office of the Assessment in the given format after due review/verification if any.

All continuous evaluation reports, in the given formats, shall be properly signed by faculty/Chairpersons before being sent to the Office of Assessment through the respective College Deans. The Office of Assessment may return the evaluation report for the departmental clarification or reconsideration if any discrepancy or inconsistency appears.

17.36.6 The suggested percentage distribution for Continuous Assessment and Final Exam is shown in the table below (there may be minor variations depending on the specific needs of some courses).

Continuous Assessment			Final Examination		
Continuous Assessment Test			Theory		70
No Practical	40	30	No Practical	100	
No Practical & TBL	40				
Practical		30	Practical		30
Quiz		10			
No Practical	15				
No Practical & TBL	40				
Assignments		15			
No TBL	20				
No Practical	20				
No Practical & TBL	30				
TBL		15			
No Practical	25				
Total:		100	Total:		100
Ratio for Final Weightage		60%	Ratio for Final Weightage		40%

18. RAKMHSU Members

18.1 RAKMHSU Board of Trustees

S.No.	Name	Designation
1	Mr. Salem Ali Al Sharhan	Chairman
2	Dr. Yasser E.H. Al Nuaimi	Vice Chairman
3	Dr. Raza Siddiqui	Member
4	Mr. Jean Diab	Member
5	Dr. Steven Reissig	Member
6	Dr. Ayesha Abdullah	Member

18.2 List of Senior Administrators

S.No.	Name	Designation
1	Dr. Ismail Ibrahim Ali Matalaka	President
2	Dr. Ali Hasan Shibli Hajeer	Vice President- Academic Affairs
3	Dr. Mohamed El -Tanani	Vice President- Research and Acting Dean - RAK COP
4	Dr. Laxminarayana Kurady Bairy	Dean, RAK COMS and Professor (Pharmacology)
5	Dr. Muhammed Mustahsen Rahman	Dean - RAK CODS
6	Dr. Ibrahim Ghaleb Ali Alfaouri	Dean - RAK CON
7	Dr. Manal Mahmoud Sami Mohd.	Dean - Student Affairs, Professor - Pathology
8	Dr. Tamer Salama Abdelsalam Ismaiel El-Marsafawy	Dean - Institutional Effectiveness, Quality Assurance & Accreditation
9	Dr. Nagaraj Ganesan	Deputy Director, Assessment (Incharge- Assessment)
10	Dr. Omer Eladil Abdalla Hamid Mohammed	Deputy Director- CEDAR
11	Mr. Saleem Khader Syed	Deputy Director- Finance & Accounts
12	Dr. Sampathkumar Madam Palanisamy	Chief Librarian
13	Mr. Hassan Muhammad Khan	CEO- RAK CODS
14	Mr. Asadullah Khan	Director- RAK CODS
15	Mr. Nisar Ahmed Nisar	Head of Finance & HR-RAK CODS
16	Mr. Atiq ur Rehman	Head of Marketing & Admin-RAK CODS

18.3 RAKCOMS Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Laxminarayana Kurady Bairy	Dean RAKCOMS & Professor – Pharmacology.	Ph.D. (1991), MD (1985), (Mangalore Uni.), MBBS (1981) (Karnataka Uni.): India
Department of Anatomy			
2	Dr. Vijaya Paul Samuel	Professor	Ph.D. (2005), Medical M.Sc. (1998) (Manipal Uni.), B.Sc. (1995) (Mangalore Uni.): India
3	Dr. Naveen Kumar Narayana	Assistant Professor	Ph.D. (2015), Medical M.Sc. (2009) & BMLT (2004) (Manipal Uni.): India
4	Dr. Abdalla Ahmed Eldaw Elamin	Assistant Professor	Ph.D (2019) (Ondokuz Mayiz Uni.) (Turkey), M.Sc (2011) (University of Gazira- WAD Medani), B. Sc (2005) (Omdurman Islamic Uni.): Sudan
Department of Biochemistry			
5	Dr. B. K. Manjunatha Goud	Professor & Chairperson	MD - Biochemistry (2009), (Manipal University), MBBS (2004) (VIMS Ballari): India
6	Dr. Grisilda Vidya Bernhardt	Associate Professor	Ph.D. (2013) (Yenepoya Uni.), Medical M.Sc. (1993) (Manipal Uni.) & B.Sc. (1990)(Mangalore Uni.): India
Department of Medical Microbiology & Immunology			
7	Dr. Ashfaque Hossain	Professor - Medical Microbiology & Immunology	Ph.D. (1990) (Uni. Of Glasgow) (UK), M.S. (1991) and B.S. (1984) (Uni. Of Dhaka): Bangladesh
8	Dr. Godfred Antony Menezes	Professor & Chairperson	Ph.D. (2011)(JIPMER), Medical M.Sc. (2003) (MAHE) & B.Sc. (1990) (Mangalore Uni.): India
9	Dr. Hafiz Ahmad	Associate Professor	Ph.D. (2014) (AIIMS), Medical M.Sc. (2005) (Manipal Uni.), B.Sc. (2002) (Mumbai Uni.): India
Department of Pathology			
10	Dr. Manal Md Sami Md Abdel Ghani	Dean - Student Affairs, Professor - Pathology	MD/Ph. D(Pathology) (2004), Master Degree in Pathology (1999), M.B.Ch.B (1992) (Suez Canal University): Egypt
11	Dr. Abdul Rehman	Assistant Professor & Chairperson-In- Charge	Ph.D (Pathology) (2017) (Hanyang University) (S. Korea), MBBS(2001) (Foundation University)(Pakistan)
Department of Pharmacology			
12	Dr. L. Kurady Bairy	Dean RAKCOMS & Professor– Pharmacology.	Ph.D. (1991) & MD (1985), (Mangalore Uni.) MBBS (1981), (Karnataka Uni.), India
13	Dr. Suresh Kumar S.	Associate Professor & Chairperson In Charge	DM (2014) (JIPMER), MD (2011) (JIPMER), MBBS(2005) (RGUHS): India

14	Dr. Shakta Mani Satyam	Assistant Professor	Ph.D. (2018) & Medical M.Sc (2013) - (Manipal Uni.) (India), & B.Sc. (2009) (B.R.A.B. Uni.) (India)
	Department of Physiology		
15	Dr. Tarig Hakim M. Hakim	Associate Dean Basic Sciences & Professor-Physiology, Chairperson – Research & Ethics Committee.	Ph.D. (2010) (Khartoum University), MD (2005) (Sudan MSB), M.Sc.(2002) and MBBS (1996) (Khartoum Uni.): Sudan
16	Dr. Rasha Abuelgasim Eltigani Babiker	Assistant Professor	Ph.D in Physiology, (2018), M.Sc. in Physiology(2011), MBBS (2002)(UMST University): Sudan
	Clinical Sciences Departments		
17	Dr. Rasha Aziz Attia Salama	Professor and Chairperson - Community Medicine	M.D - Public Health, Social and Preventive Medicine (2005), M.Sc. (Public Health) (2000), MBBS (1994) (Cairo University):Egypt
18	Dr. Mohamedanas Mohamedfaruk Patni	Associate Professor Community Medicine	MD (Comm. Med.) (2012), MBBS (2008): (Gujarat University): India
19	Dr. Biji Thomas George	Assistant Dean Clinical Sciences Associate Professor - Surgery	FRCS (Glasgow)(2003), MS (Surgery) (1998)(Ind), MBBS (1991) (India)
20	Dr. Omer Eladil Abdalla Hamid Mohammed	Professor - Internal Medicine and Deputy Director- CEDAR	FRCP (UK) (2017), Masters (Clinical Neurology) (UK) (2011), MD (Int. Med.)(Sudan)(2008), Diploma in Med. & Health Professions Edu. (2017)(Sudan), Masters in Med. & Health Professions Edu. (2020)(Sudan), MBBS (Gezira Uni.)(Sudan)(1993)
21	Dr. Raghavendra V. Bhat	Professor - Internal Medicine & Chairperson Clinical Skill Dept.	MD (1982), MBBS (1976) (Kasturba Med. Coll.): India
22	Dr. Imran Rashid Rangraze	Associate Professor- Internal Medicine	FRCP(2022)(UK)(Medicine),MRCP(2018) (UK), FACP(2018), MD (2008) (Sher e Kashmir Medical College), MBBS (2003)(Govt. Medical College):India
23	Dr. Rajani Dube	Professor-Obstetrics and Gynecology	MD (Obs. & Gyn.) (2004) & MBBS (Utkal Univ.): India
24	Dr. Shadha Nasser Mohammed Ba-Hutair	Lecturer-Obstetrics and Gynecology and In-Charge- Alumni Affairs	FRCP (UK) (2017), Masters (Clinical Neurology) (UK) (2011), MD (Int. Med.)(Sudan)(2008), Diploma in Med.& Health Professions Edu. (2017)(Sudan), Masters in Med. & Health Professions Edu. (2020)(Sudan), MBBS (Gezira Uni.)(Sudan)(1993)
25	Dr. Subhranshu Sekhar Kar	Professor - Pediatrics and Associate Dean– Clinical Sciences	Arab Board for Health Specialization (OBG)(2023), MBBS(2015, RAKMHSU, UAE)
26	Dr. Malay Jhancy	Professor -Pediatrics	MD (2010)(Rangaraya Medical College), MBBS(1991)(RMC): India
27	Dr. Shehla Shafi Khan	Senior Instructor - Psychiatry	MBBS (2005) (Rajshahi Med. University) : Bangladesh
	Common - Basic Sciences		
28	Dr. Pooja Shivappa	Research Associate & Assistant Professor - Basic Sciences In-Charge- Central Research Laboratory	Ph.D (2018) (NITTE University), M. Sc (2014,B.Sc (2011) (Mangalore Uni.): India

18.4 RAKCODS Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Muhammed Mustahsen Rahman	Dean & Professor	Ph.D (1989) Periodontology
2	Dr. Vivek Padmanabhan	Assistant Professor & Chairperson, Clinical Sciences	Ph.D (2017) Pediatrics and Preventive Dentistry
3	Dr. Kusai Baroudi	Associate Professor	Ph.D (2007) Pediatrics and Preventive Dentistry
4	Dr. Md Sofiqul Islam	Assistant Professor	Ph.D (2014) Operative Dentistry
5	Dr. Nur Hatab	Assistant Professor	Ph.D (2016) Oral Surgery
6	Dr. Shadi El Bahra	Assistant Professor	Ph.D (2016) Prosthodontics
7	Dr. Mohamed Ahmed Elsayed Moosa	Assistant Professor	Ph.D (2017) Endodontics
8	Dr. Nada Tawfig	Assistant Professor	Ph.D (2013) Periodontology
9	Dr. Riham Mohammed	Assistant Professor	M.Sc. (2016), FFD RCS Ireland (2017) Oral Surgery
10	Dr. Nallan Chaitanya	Assistant Professor	Ph.D (2018) Oral Medicine & Dental Radiology
11	Dr. Sivan Padma	Assistant Professor	Ph.D (2018) Oral Pathology
12	Dr. Nancy Farghal,	Assistant Professor	Ph.D (2013) Dental Material & Restorative Dentistry
13	Dr. Fadia Al Fateh	Assistant Professor	Ph.D (2018) Prosthodontics & Oral Rehabilitation
14	Dr. Shahistha Parveen Dasnadi	Assistant Professor	Ph.D (20 21) Orthodontics

18.5 RAKCOP Faculty

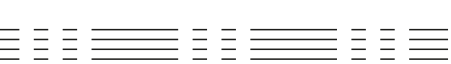
S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Mohamed El -Tanani	Acting Dean	PGCHET (Queen's University) (UK) (2006), Ph.D. (Clinical Biochemistry) (Liverpool Uni.) (UK)(1997), M. Phil. (Clinical Biochemistry) (Liverpool Uni.) (UK)(1993), Honors PG Diploma, DSc (Clinical Biochemistry) (Alexandria Uni.)(Egypt)(1986), B.Sc. (Biochemistry) (Alexandria Uni.) (Egypt)(1981).
2	Dr. K. V. R. N. S. Ramesh	Associate Dean and Professor - Pharmaceutics	Ph.D – Pharmaceutics (1996), M. Pharm(1990), B Pharm(1985) (Andhra Uni.): India.
3	Dr. Sathvik Belagodu Sridhar	Professor & Chairperson – Clinical Pharmacy & Pharmacology &	Ph.D - Pharmacy Practice (2008), M. Pharm - Pharmacy Practice (1999) (Rajiv Gandhi Uni. Of Health Sciences), B. Pharm (1996), D.Pharm. (1991) (Bangalore Uni.): India.
4	Dr. Bhoomendra Atmaram Bhongade	Professor & Chairperson- Pharmaceutical Chemistry	Ph.D-Pharmacy Medicinal Chemistry (2006) (Rajiv Gandhi Uni. Of Health Sciences), M.Pharm. -Pharmaceutical Chemistry (1997) (Karnataka Uni.), B. Pharm (1995) (Nagpur Uni.): India.
5	Dr. Shahnaz Usman	Professor & Chairperson - Pharmaceutics	Ph.D - Pharmaceutics (2007), M.Phil. - Pharmaceutics (1998), B.Pharm. (1990) (University of Karachi): Pakistan
6	Dr. Areeg Anwer Ali	Professor	Ph.D-Pharmacology (2005); M. Pharm -Pharmacology (2000) (Hamdard Uni.), B. Pharm (1998) (Saurashtra Uni.): India.
7	Dr. Sirajunisa Talath	Professor	Ph.D- Pharmaceutical Chemistry (2007), M. Pharm (2002) (Rajiv Gandhi Uni. Of Health Sciences),B. Pharm (1997)(Gulbarga Uni.): India
8	Dr. Syed Arman Rabbani	Associate Professor	Ph.D Pharmaceutical Medicine (2013); M. Pharm. (2010); B. Pharm (2008); Jamia Hamdard University, Delhi, India

9	Dr. Tarun Wadhwa	Associate Professor & Incharge Documentation Center	Ph.D (Clinical Pharmacy) (2014) (KLE Uni., India); M. Pharm. (2007) (MAHE, India); B. Pharm (2004) (MDU, India)
10	Dr. Adil Farooq Wali	Associate Professor & Incharge Institutional Effectiveness	Ph.D - Pharmaceutical Sciences (2015), M. Pharm. (2012)(Kashmir Uni.), B.Pharm. (2006) (Punjab Tech. University):India.
11	Dr. Javedh Shareef	Assistant Professor	Ph.D - Pharmacy Practice (2016) (NITTE Uni.), M. Pharm. (2005) (Manipal Uni.), B.Pharm. (2001) (The Tamil Nadu MGR Medical Uni.): India
12	Dr. Syed Sikandar Shah	Assistant Professor	Ph.D – Clinical Pharmacy (2020) (Near East Uni.)(Cyprus), M. Sc.(2016) (Near East Uni.)(Cyprus), Pharm. D. (2014) Abasyn Uni.)(Pakistan)
13	Mrs. Jayachithra	Sr. Lecturer	M. Pharm. (2004) (Rajiv Gandhi Uni. Of Health Sciences) B. Pharm. (1997) (The Tamil Nadu MGR Medical Uni.): India.

18.6 RAKCON Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Ibrahim Ghaleb Ali Alfaouri	Dean	Ph.D. (Nursing Admin.) (Wayne State Uni.)(USA) (2004), M.Sc. (Nursing Education) (Uni. of Jordan) (Jordan) (1996), B.Sc. (Nursing Sciences)(Uni. of Jordan) (Jordan) (1986).
2	Dr. Sneha Pitre	Associate Professor	Ph.D. - Pediatric Nursing (2011) (Bharati Vidyapeeth Deemed Uni.), M.Sc. - Pediatric Nursing (1997) (SNTDWU), B.Sc. In Nursing (1983) (SNTDWU): India.
3	Dr. Shukri Yousef Adam	Associate Professor and Assistant Dean – Clinical Edu.	Ph. D (Nursing) (2011) (University of San Diego) (USA), Master of Healthcare Admn.(2006) (National Uni. ,San Diego) (USA), BSN (1999) (University of Southern Queensland) (Australia), Diploma in Gen. Nursing(Abu Dhabi School of Nursing)(UAE)(1986)
4	Dr. Arnel B. Salgado	Associate Professor	Doctor of Education (Ed.D) (2010) and M.A. (2005) (PCHS),Philippines, B.Sc.Nursing (1993) (PCEC) Philippines.
5	Dr. Priyalatha	Associate Professor	Ph.D. (2014) (RGUHS), MSN (2004), BSN (1992)(CMC Vellore): India
6	Dr. Victoria Hanson	Associate Professor	Ph.D. Maternal & Child Health Nursing (2015) (Uni. Of Western Cape) (SouthAfrica), M.Sc. Maternal & Child Health Nursing (2005), B.Sc. Nursing Education (Ibadan Uni.) (1997): Nigeria
7	Dr. Rabab Gad	Associate Professor	Ph.D. Comm. Health Nursing (2013) (Mansoura Uni.), Masters in Nursing (Ain Shams Uni.) (2007), Bachelors in Nursing (1999)(Mansoura Uni.): Egypt
8	Dr. Rose Ekamallesanmi	Assistant Professor	Ph.D. Medical Surgical Nursing (2014), M.Sc. Nursing Medical Surgical Nursing (2004),B.Sc.Nursing (1999) (University of Ibadan):Nigeria

9	Dr. Ramya Kundayi Ravi	Assistant Professor - Adult Health Nursing	Ph.D . MSN (2018) (Rajiv Gandhi Uni. Of Health Sciences), M. Sc.(2009), B.Sc. (Hons.) in Nursing (2007) (AIIMS): India
10	Dr. Mona Gamal Mohamed Mohamed	Assistant Professor - Adult Health Nursing	Ph.D. MSN (2017) (Suez Canal Uni), M.Sc. MSN (2014), B.Sc. in Nursing Science(2008) (Assuit Uni.): Egypt
11	Dr. Eman Abdelaziz Ahmed Rashad Dabou	Assistant Professor	Ph.D. Uro. Nursing (2011), M.Sc. Uro. Nursing(2007), B.N.Sc.(2000) (Alexandria Uni.): Egypt
12	Dr. Fatma Magdi Ibrahim Hassanein	Assistant Professor - Community Health Nursing	Ph.D. Geriatric and community health nursing (2019), M.Sc. Geriatric and community health nursing (2013), B. Sc. Of Nursing (2007) (Mansoura University) : Egypt
13	Dr. Olabisi Fatimo Ibitoye	Assistant Professor - Midwifery/Maternal and Child Health Nursing	Ph.D. (Midwifery) (2017) (Uni. of Western Cape): S. Africa, M.Sc. Nursing (Midwifery) (2011) and B.Sc. Nursing (2001) (University of Ibadan): Nigeria,
14	Dr. Manju Avinash Nair	Assistant Professor	Ph.D. (2016)(Banasthali Uni.), M.Sc. Nursing (2000), B.Sc. Nursing (1995) (MAHE, Manipal): India
15	Dr. Vimala Edwin	Assistant Professor	Ph.D. (2016)(Banasthali Uni.) , M.Sc.; Nursing(2007): (Sri Ramachandra University), B.Sc. Nursing(1997)(Dr. MGR University), MBA (HCS) (2011) (SMU): India
16	Ms. Shaimaa Abd Elsamad	Lecturer	MSN (2012), BSN(2005) (Alexandria Uni.): Egypt
17	Ms. Rachel James	Lecturer	M.Sc. (2013) (Jamia Hamdard, Delhi), B.Sc. (2010) (Jiwaji Uni.): India
18	Mr. Jamil Ahmed Mir	Lecturer	MSN(2016) (RAKMHSU) (UAE), B.Sc. Nursing (Agha Khan University Karachi): Pakistan
19	Ms. Ramya Shine Aneesh	Lecturer	M. Sc (2014), B. Sc (2010) (The Tamil Nadu Dr. MGR Medical Uni.): India
20	Ms. Taliaa Mohsen Qasem Al-Yafeai	Lecturer and Student Clinical Training & Placement Coordinator	M. Sc (2019) (RAKMHSU), B. Sc (2015) (Uni of Sharjah): UAE



21	Ms. Israa Abdallah Abuijaln	Lecturer	BSN(2009)(Sharjah Uni.), Diploma in Nursing (2004) (Inst. of Nursing, RAK),MSN(2020)(RAK MHSU): UAE
22	Ms. Nilda Ogsimer Pitogo	Sr. Clinical Instructor	BSN (1995) (Butuan Doctor's College):Philippines

18.7 General Education Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Omar Al Jadaan	Professor, Chairperson - Gen. Edu.	Ph. D - Computer Sciences & Eng. (2010) (Osmania Uni.) (India), M.Tech. (Computer & Information Sciences) (2004) (Uni. Of Hyderabad), B.E. Electrical & Electronics Eng. (1996) (Aleppo Uni.): Syria
2	Dr. Nawar Nezar Mohamed Saeed Saleh Alaani	Associate Professor - Arabic Language and Islamic Studies	Ph.D. (Islamic Studies) (2010) (Islamic Beirut University) (Lebanon), MA (Islamic.) (2000) & Bachelors (Islamic.) (1998): (International Islamic University Malaysia): Malaysia
3	Dr. Huma Zaidi	Associate Professor	Ph.D (English) (2002), MA (English Lit) (1990), BA Hons (1988), (AMU) B.Ed (1995) (Annamalai Uni.): India
4	Dr. Omnia Ibrahim Mohamed Hassanein	Associate Professor - English	Ph.D. (English Lit.) (2003) (Helwan Uni.), Masters (Eng. Lit.) (1996) BA (English) (1991) (Ain Shams Uni.): Egypt
5	Dr. Rania Hamed Ghanem	Associate Professor - Natural Sciences Chief Coordinator - Student Academic Advising	Ph.D. (Natural Sciences) (2008), MSc. Plant Biology (2003), B. Sc. (1995) (Cairo University): Egypt

19 LOCATION MAP AND CONTACT DETAILS

Location Map:

GPS Coordinates: 25° 47' 36.06" N 55° 56' 53.556" E



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