



RAK MEDICAL & HEALTH SCIENCES UNIVERSITY



RAK Medical & Health Sciences University

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www.rakmhsu.ac.ae

CATALOG

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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Graduate 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 grow 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 Memoranda of Understanding 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 you in our beautiful campus!

Professor Ismail Mataalka, FRCPath

President



1. RAKMHSU Academic Calendar

 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 started in October 2006. The undergraduate programs in Dentistry, Pharmacy and Nursing 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 in 2012. MS in Pharmaceutics program commenced in the academic year 2014-2015 with initial accreditation. In addition to the Master of Science in Nursing (MSN) - Specialty Adult Health Nursing we also have MSN- Specialties namely Pediatric Nursing, Community Health Nursing and Psychiatric-Mental Health Nursing, Master of Science in Midwifery which is also the first program in UAE was added in the year 2020-21. All the Undergraduate and Graduate programs have received the renewal of accreditation from the Commission for Academic Accreditation (CAA), Ministry of Education, UAE.

2.1 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.



Our Colleges and their Programs:

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

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

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



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 gender 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.

- a) Collegiality
- b) Honesty and Integrity
- c) Equity
- d) Agility
- e) Excellence
- f) Student Centricity
- g) Lifelong Learning
- h) 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:-

- a) 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 (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.
- b) 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, Master of Science in Midwifery; 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.
- c) To recruit and retain academic fraternity committed to creation and application of knowledge;
- d) To develop MBA (Healthcare), Medical Tourism and other contemporary educational programs to meet local and international standards;
- e) To develop clinical skills and training in cutting edge technologies to be acclaimed internationally by competent healthcare professionals;
- f) To provide required infrastructure facilities,
- g) 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.
- h) 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:-

- a) To demonstrate the ability to organize, record, research, present, critique and manage health science related information.
- b) 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.
- c) To monitor the access students, faculty and administrative staff have to records, faculty development and seminars.
- d) 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.
- e) 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

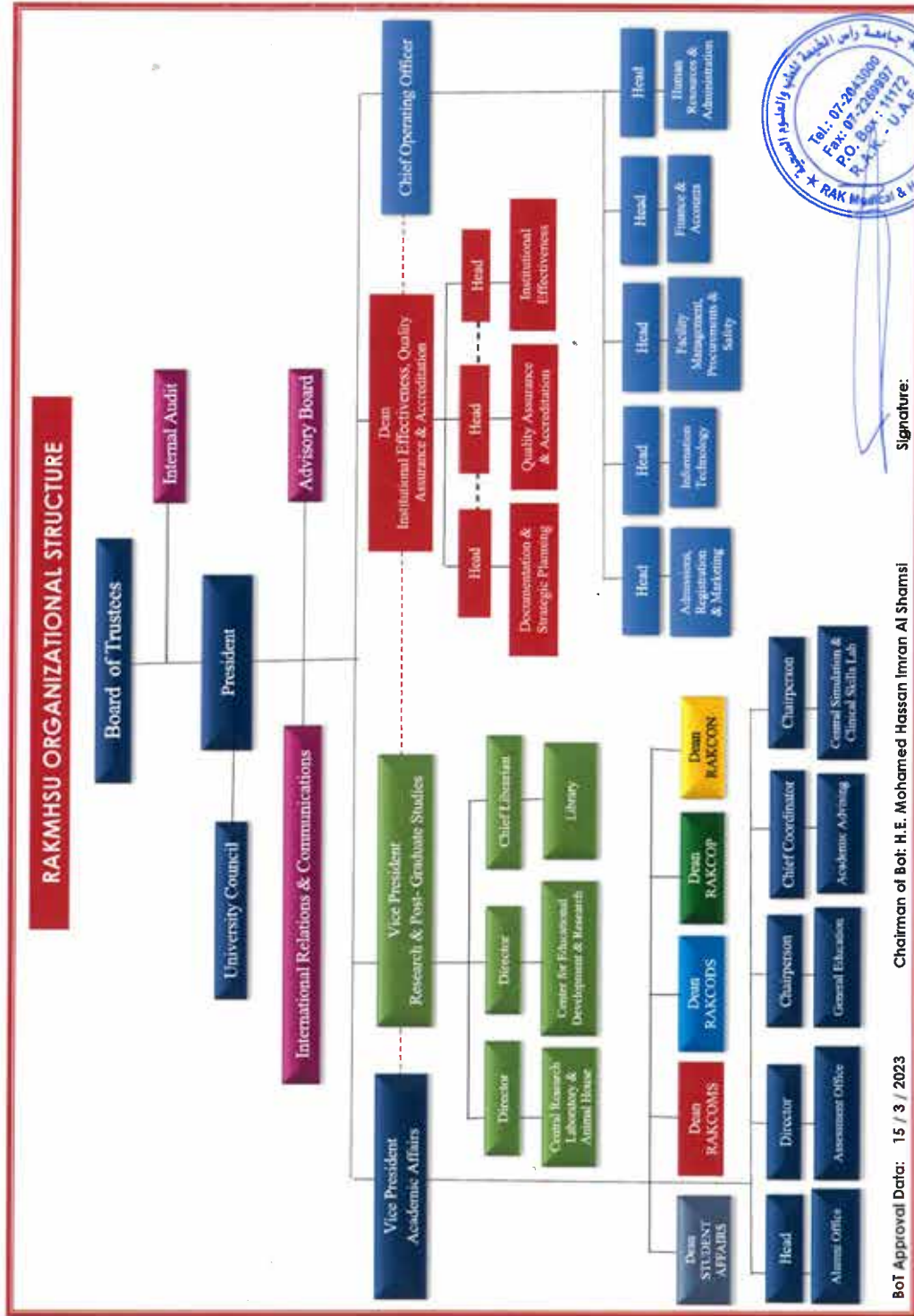


Licensure / Accreditation	Date of Accreditation	Renewal Date	Current Status
Pharmaceutics	4 April 2019	4 April 2024	Active
MS in Nursing:			
Master of Science in Nursing (MSN) <u>Specialties:</u> - Adult Health Nursing - Pediatric Nursing, - Community Health Nursing - Psychiatric Mental Health Nursing	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

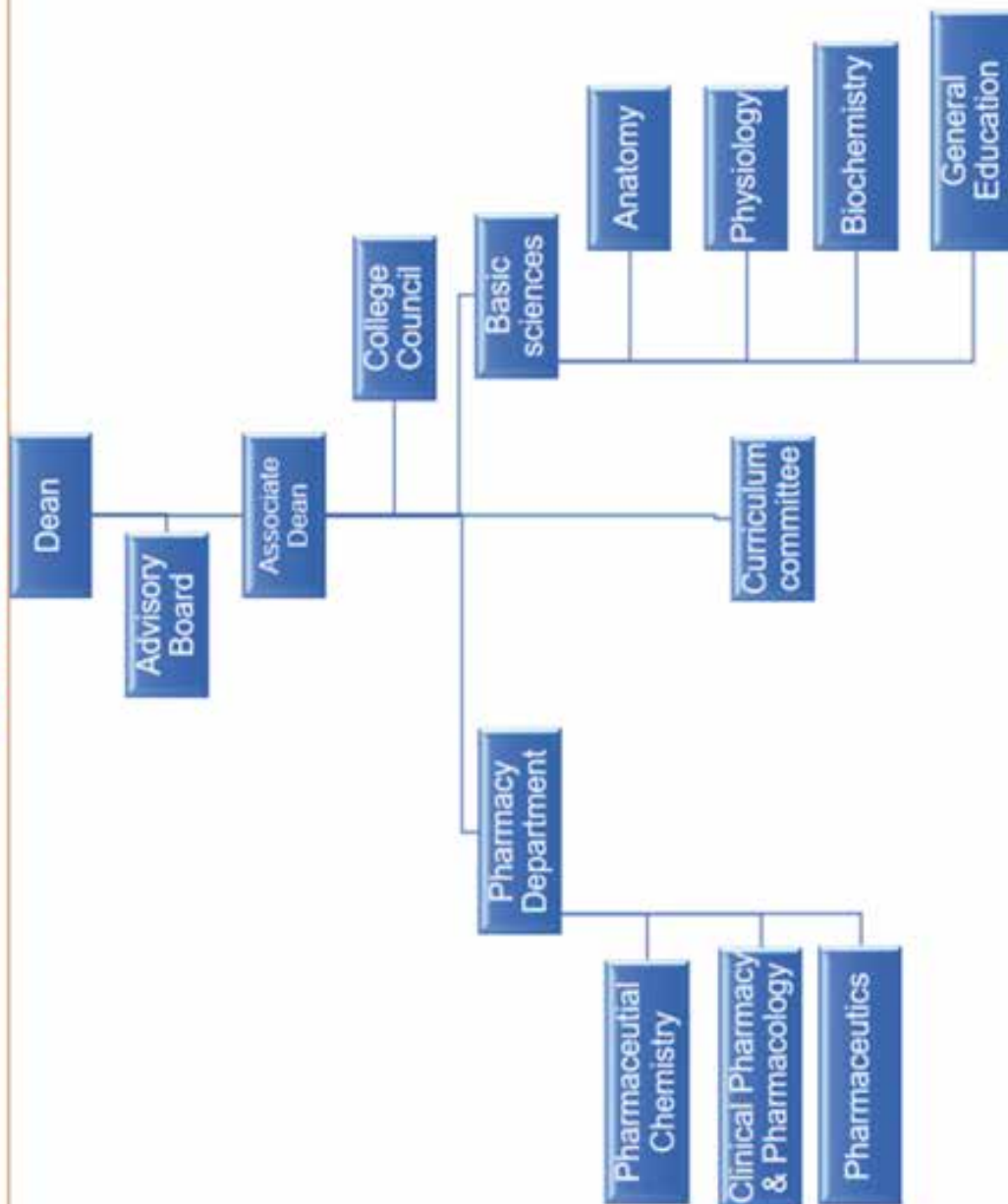




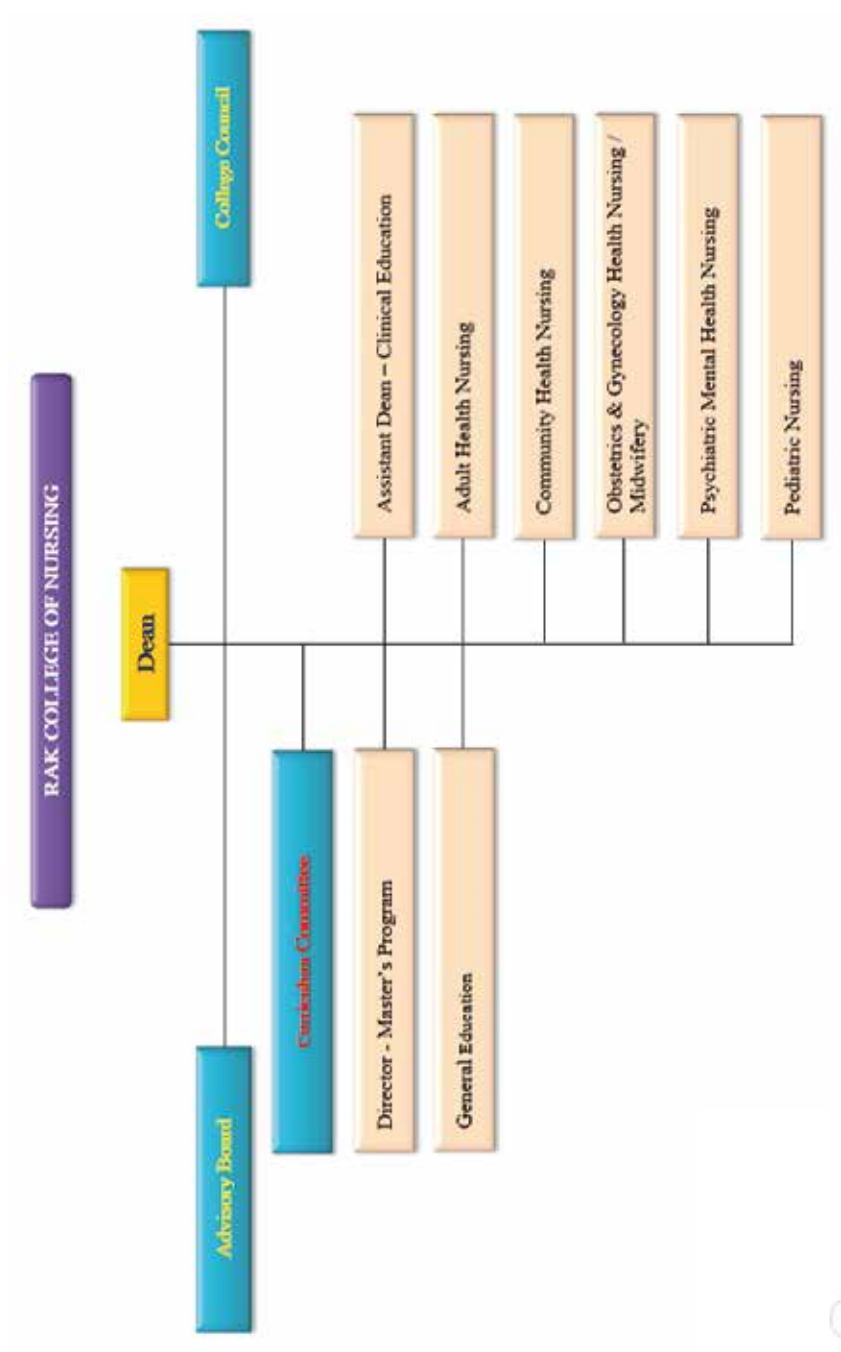
5.1 RAK College of Pharmacy

RAK College of Pharmacy

Organizational Structure



5.2 RAK College of Nursing (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, Central Simulation / Skills Lab , Central Research Lab, 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.



6.2 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 the policies as 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.

All users are requested to make sure the appropriate usage of IT Enabled Resources and Services in compliance with the University Policy. The specific responsibilities are listed below but are not limited to:

- 1) IT Enabled Resources and Services are provided to carryout Academic and Administrative activities of the University.
- 2) End Users need 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.
- 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 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

University Central Library was established in 2006 as a learning and resource center. The vision of the Library is to support the university 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 , ten 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 to the Central Library and the library at RAKCODS campus, there are two satellite libraries located at Omran Hospital in Ras Al Khaimah and Fujairah Hospital in Fujairah to facilitate availability of learning resources for clinical students and clinical adjunct faculty. These Satellite Libraries are managed by the Central Library providing books, journals, E-resources and other services in accordance with University 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, Acland's Video Atlas of Human Anatomy, Lexicomp, Clinical Key Students, Scopus, AMBOSS (for IFOM Preparation) online journals, and e-books etc. The library also provides repository service for 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 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. The librarians conduct the Information Literacy Sessions to assist and train the users for effective Literature search for their research topics to enhance the quality and relevancy of their research. Academic software such as SPSS, iThenticate, 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 iThenticate, 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 Master of Science in Pharmacy Program

RAK College of Pharmacy offers Master's Degree in Pharmacy. Following are the specialties offered in the Master of Science in Pharmacy programs:

- Clinical Pharmacy
- Pharmaceutical Chemistry
- Pharmaceutics

8.1.1 Direct Admission:

- a) Students with B.Pharm with minimum CGPA (Cumulative Grade Point Average) of 3 on a 4 scale or equivalent.
- b) Proficiency in English equivalent to a TOEFL score of 550 in paper-based test OR 79 in internet-based test OR Academic IELTS score of 6 OR EmSAT Achieve- English score of minimum 1400 is required.

8.1.2 Conditional Admissions (M.S. Pharmacy - Clinical Pharmacy, Pharmaceutical Chemistry and Pharmaceutics):

- a) Students may conditionally be admitted to the program with a recognized Bachelor's degree and a minimum cumulative grade point average (CGPA) of 2.5 on a 4.0 scale or its established equivalent. Such a student must take a maximum of nine credit hours of courses studied for the graduate program during the period of conditional admission and must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in these nine credits of courses studied for the graduate program or be subject to dismissal.
- b) Remedial Preparation for the Graduate Programs (M.S. Pharmacy - Clinical Pharmacy, Pharmaceutical Chemistry and Pharmaceutics): Students be admitted to the program with a recognized Bachelor's degree and a minimum cumulative grade point average (CGPA) of 2.0 on a 4.0 scale or its established equivalent to a maximum of nine graduate-level credit hours as remedial preparation for the graduate program. These remedial courses are not for credit within the degree program. The student must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in these nine credits of remedial courses in order to progress to the graduate program or be subject to dismissal.
- c) Students may conditionally be admitted with a recognized Bachelor's degree and an EmSAT score of 1250 or its equivalent on another standardized test approved by the CAA, such as TOEFL score of 530 (197 CBT, 71 iBT), or 5.5 IELTS academic, to the program. Such a student must meet the following requirements during the period of conditional admission or be subject to dismissal:
 - Must achieve an EmSAT score of 1400 or equivalent, by the end of the student's first semester of study
 - May take a maximum of six credit hours in the first semester of study, not including intensive English courses.
 - Must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in the first six credit hours of credit-bearing courses studied for the graduate program.



Prospective students may fill in the online application form and attach all relevant documents, and the fully alified applicants will receive an offer letter with a deadline for payment remittance.

Masters programs in Pharmacy aspirants may apply online, and qualified students will be called for an nterview/-discussion with the Dean.

Note:

- The decision of the Admission Committee in the matters of admission is final.
- The jurisdiction regarding all legal matters in admission-related matters will be at Emirate of Ras Al Khaimah.

8.2 Master of Science in Nursing Programs

RAK College of Nursing offers Master's Degree in Nursing. a) Master of Science in Nursing (MSN):

Specialties:

- Adult Health Nursing
- Pediatric Nursing,
- Community Health Nursing
- Psychiatric Mental Health Nursing

b) Master of Science in Midwifery (MSM)

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

8.2.1 Admission criteria for Master of Science in Nursing (Specialties: Adult Health Nursing, Pediatric Nursing, Community Health Nursing, Psychiatric-Mental Health Nursing) and Master of Science in Midwifery.

- a) Direct Admission: Bachelor of Science in Nursing Degree with minimum CGPA (Cumulative Grade Point Average) of 3.0 on a 4.0 scale or equivalent.
- b) Proficiency in English equivalent to a TOEFL score of 550 in paper-based test, 79 in internet based test Or Academic IELTS score of 6 Or EmSAT Achieve- English score of 1400 or equivalent tests prescribed by Ministry is required.
- c) One year of clinical experience in the area of Specialty for BSN applicants. They are as follows:
- d) Either adult or community experience is necessary for the adult specialization.
- e) Either adult or community experience is necessary for the community specialization.
- f) Either pediatric or community experience with evidence that this has included pediatrics is necessary for the pediatric specialization.
- g) Psychiatric Mental Health experiences is necessary for the Psychiatric Mental Health specialization.
- h) Midwifery experience is necessary for the Master of Science in Midwifery Or 2-years post-diploma for the RN-BSN-qualified applicants.
- i) RN-Licensure from country of origin.

For Master Program eligible applicants will be called for Interview/discussion with Dean and faculty prior to admission.

8.2.2 Conditional Admissions (MSN - Adult Health Nursing, Pediatric Nursing, Community Health Nursing, Psychiatric Mental Health Nursing & Master of Science in Midwifery):

- a) Students may conditionally admit to the program with a recognized Bachelor's degree and a minimum cumulative grade point average (CGPA) of 2.5 on a 4.0 scale or its established equivalent. Such a student must take a maximum of nine credit hours of courses studied for the graduate program during the period of conditional admission and must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in these nine credits of courses studied for the graduate program or be subject to dismissal.
- b) Remedial Preparation for the Graduate Programs (MSN - Adult Health Nursing, Pediatric Nursing, Community Health Nursing, Psychiatric-Mental Health Nursing & Master of Science in Midwifery): Students may admit to the program with a recognized Bachelor's degree and a minimum cumulative grade point average (CGPA) of 2.0 on a 4.0 scale or its established equivalent to a maximum of nine graduate-level credit hours as remedial preparation for the graduate program. These remedial courses are not for credit within the degree program. The student must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in these nine credits of remedial courses in order to progress to the graduate program or be subject to dismissal.
- c) Students may conditionally admit with a recognized Bachelor's degree and an EmSAT score of 1250 or its equivalent on another standardized test approved by the CAA, such as TOEFL score of 530 (197 CBT, 71 iBT), or 5.5 IELTS academic, to the program. Such a student must meet the following requirements during the period of conditional admission or be subject to dismissal:
 - Must achieve an EmSAT score of 1400 or equivalent, by the end of the student's first semester of study
 - May take a maximum of six credit hours in the first semester of study, not including intensive English courses.
 - Must achieve a minimum CGPA of 3.0 on a 4.0 scale, or its established equivalent, in the first six credit hours of credit-bearing courses studied for the graduate program.

Note: Attestations and Equivalency Certificate are mandatory prior to admission:

Prior to admission, all students who studied foreign qualifications outside UAE, student have to get the Equivalency Certificate for their Bachelor degree from Ministry of Higher Education, UAE as they have done their Bachelor degree outside UAE and it is a foreign qualification. Graduate certificate and transcript duly attested either from Ministry of Foreign Affairs and International Cooperation or the UAE embassy in the country of study and genuine certificate Original letter of the embassy of the country issuing the qualification with the academic institution's reply. (Attendance in the country of study) Passport and a proof of residence (entry and exit seals for the country where the applicant studied), or a copy of the first entry to the country. For who enrolled in the year 2000 and after.

8.3 How to Apply

RAKMHSU website, flyers and brochures display the admission procedure/important dates to apply for the various programs.



8.3.1 Master Programs:

Each applicant must complete the online application form available on the University website (www.rakmhsu.ac.ae). The Apply Online button can be seen on the top right of the home page. Fill the online application form and submit as per the admission dates announced by the University. Applications 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 to be shown as part of verification process during admission:

- Bachelor Degree authenticated/attested by the relevant Ministry of Education of the country of study.
- Original TOEFL/IELTS score (not more than two years old)
- Copy of Working experience certificate
- Certificate of good conduct OR Reference letter to be obtained on the school/college letterhead.
- Five 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.

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.

8.4 Registration

All the students admitted to the various undergraduate and graduate programs of the University must register at the beginning of each semester. The Admission & Registration Office will inform all the newly admitted students of the date and time of registration. Year 2 onwards, registration is done College-wise. Existing students from year two onwards have to remit fees as per deadline and complete the registration into the 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.

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.

8.5 The 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 university life in general and 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.

8.6 Credit Hours

At RAKMHSU, the courses are calculated in terms of credit hours. Each course carries a certain number of credits awarded after completing that course. One credit hour equals 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. For MS Clinical Pharmacy clinical rotations, every one week of rotations (40 hours) is equal to 0.5 credits.

8.7 Student Records & Information Release Policy

Purpose: RAKMHSU maintains individual student records and information to provide educational and personal services to its students. The university policy ensures the confidentiality of 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 establish the appropriate procedures to be followed by students for correction of inaccurate data if any within their Education Records.

Access to Records: Students have the right to review their own Education Records in the presence of a University representative- in-person /electronically. The University's representative will provide an explanation and interpretation of the record. The student has to submit a request to view the record in writing and submit it in writing to the appropriate office mentioning their student ID, and the offices shall comply within one week of receiving the request. The student may be required to pay a small fee for the copies of their records. The 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 limits / restrictions on the right to inspect or review a record, especially if it has confidential details about 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 found inaccurate/ misleading or notify the student of the right to 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 Asst. Director of Admissions/Dean or President. Any disclosure to a third party will be only after receiving the request, and the student's written consent.

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, the student should direct a request to the appropriate department responsible for that record.

8.7.1 Academic Records with the Office of Admissions & Registration:

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

**It comprises three major components/sections:**

Admission & Registration Documents: This comprises of graduation transcripts, certificates, TOEFL or IELTS or 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.

Document copies of Academic Progress throughout the Semesters: This comprises of Copies Semester grade sheets and any notices served to students for fail/repeat examinations. In addition, any academic dismissal or disciplinary action was taken for academic/non-academic reasons, such as misconduct / non-compliance with rules and regulations that may affect his academic progress.

Miscellaneous Documents: This comprises of Copy of any student request / communication to Dean / other administrative departments for bonafide letter, etc.

After the admission is over, the continuous academic record of the student will be filed by the Dean's office. The 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 bi-monthly. 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 is maintained in the university management system phase by phase. Server back-up is done on a 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 a copy of any document related to admission, a student has to place a request to the Asst. Director of the office for Admissions & Registration.

8.7.2 Academic Records with the College or Department:

The college/department responsible for the function maintains the students' records such as grade sheet issuance/advisor notes/course materials. For information regarding these records, the following offices have to be contacted:

- Dean of the College of Pharmacy/Nursing;
- Dean of Examinations

8.7.3 Financial & Administrative Records:

- a) The Finance Department maintains a record of student account transactions, including billing, payment, and refund information. Also, information on students availing of Financial Aid/grants/ scholarships is maintained. A student may forward any request to Asst. Director of Finance.
- b) The Administration department provides the student ID, co-ordinates health insurance services and student visa services. The student may forward any request to the Executive handling the responsibility in the Administration department.



c) Student Services Records:

The Student Services department maintains records related to the activities of students. A calendar or schedule of events/activities is prepared before the start of the academic year, and activities are informed regularly to the students. This office also maintains records about sports and transportation.

8.7.4 Student Record Retainship & 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 50 years from graduating. By this time, it is estimated that a student who completed 2 years of study would have completed his internship and Master's program/ higher education and would be successfully practicing his profession. Therefore, upon graduation, student files will be moved outside the student record room into a storage area in fireproof lockers and after the said period of 0 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.

However, scanned soft copies of completed student records will be maintained for another 50 years in the University Management System.

8.8 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 before the end of the program.

Scope: This policy applies to all students enrolled at different colleges/programs at RAKMHSU.

General: Before withdrawing from a course, a student is strongly encouraged to discuss their situation with their 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 courses, they 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 wants to transfer to the other University.
6. The student cannot cope with the stress and wants to switch to another program.
7. The student is not getting their 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, the student does not have the option to withdraw from a few courses but has to withdraw from all courses in that particular semester. Procedure: The student has to fill out the Withdrawal Form after meeting the Dean and citing the reasons for the same. After which, the 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.
- The student is allowed to withdraw any time of his studies and gets a refund if the withdrawal is within the grace time from the registration. Refer to refund policy as stated in the GRADUATE chapter Financial Information.
- The student has cleared all the financial dues, if any.
- On withdrawal, the student's academic record at RAKMHSU will be closed. The student will not be allowed access to UMS and review his student academic records.
- The student is eligible to get a transcript/good standing certificate for the courses completed so far.

8.9 Re-admission 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 the 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 to check with their faculty advisor or the office of the Dean.

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

8.9.1 Timelines for Re-admission

The 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 still meeting all the regulations governing the completion of the degree.



8.10 Postponement of Study/Leave of Absence

If a student wishes to postpone their study for any reason, they must submit a request letter to the Office of Examinations. The postponement period 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 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% (for clinical component; 90% for MS Clinical Pharmacy, 95% for MSN/MSM)

8.11 Transfer Admissions, Transfer Credit and Advanced Standing

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:

Only students transferring from UAE institutions recorded in the National Register of Licensed HEIs, or other organizations in the UAE approved by the CAA, or recognized institutions of higher learning located outside the UAE, are eligible for transfer admission.

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 RAKMHSU 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. Students transferring from other institutions into a program in the same field of study are in good academic standing (for undergraduates, a minimum CGPA of 2.0 on a 4.0 scale, or equivalent), based on the teaching, learning and assessment system employed in the organization at which they initially enrolled, demonstrated by certified transcripts or other evidence.



5. Copy of the course content of courses for which the student wishes to claim the credits.
6. Score of the last appeared TOEFL/IELTS approved by the CAA.
7. Ten recent and identical passport size color photographs. Copy of passport validity for at least one year.
8. Document to be enclosed showing proof of the institution's accreditation/recognition from the respective Ministry/Government if the institution is outside UAE.

8.12 Transfer Policy for Master Programs

8.12.1 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:

1. Transfer application form duly completed
2. Transfer application processing fee of AED 500/-
3. Supporting documents
 - A cover letter from the applicant detailing the reasons for the request of transfer to RAKMHSU and its benefit.
 - A 'no objection for transfer' certificate from the applicant's current institution.
 - 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.
 - Copy of the course content of courses for which the student wishes to claim the Credits.
 - Score of the TOEFL/IELTS last appeared.
 - 10 recent and identical passport size colored photographs.
 - Copy of passport valid for at least one year.
 - Document to be enclosed showing proof of the institution's accreditation /recognition from the respective Ministry/Government if the institution is outside UAE.
 - 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.
 - The following points are to be noted regarding transfer of credits : University
 1. Limits transferred credits for Master's programs to a maximum of 25% of the total credits required for the program (or whichever equivalent measure is used in determining course or program requirements);
 2. Transfers graduate program credits only for courses relevant to the degree that provide equivalent learning outcomes and in which the student earned a grade of B (3.0 on a 4.0 scale) or better;



3. Does not grant credit twice for substantially the same course taken at two different institutions;
 4. Allows the transfer of credits for clinical training only when done in the UAE or in exceptional circumstances, upon review and approval of a waiver to this requirement by the CAA;
 5. Does not allow credits for graduation projects and theses to be transferred;
 6. Provides for timely written notification to the student, prior to admission, of the transferability of credit, how much credit is granted, and how the accepted credit will be applied to the degree program of the receiving institution.
- 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.

8.12.2 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:

- 1) 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.
- 2) The student will be treated as a fresh student in the program where he is seeking transfer, provided the student fulfills the eligibility criteria, and will have to take 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.
- 3) 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/she 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 but has, meanwhile already joined another College/Program in RAKMHSU then this student is contacted/given an offer for joining the program of his initial choice, and 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 case of 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.

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 Pharmacy	Master of Science in Clinical Pharmacy	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Pharmaceutical Chemistry	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Pharmaceutics	25,000	After applying concession on the declared fee of AED 30,000 per semester
RAK College of Nursing	Master of Science in Adult Health Nursing	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Psychiatric Mental Health Nursing	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Pediatric Nursing	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Community Health Nursing	25,000	After applying concession on the declared fee of AED 30,000 per semester
	Master of Science in Midwifery	25,000	After applying concession on the declared fee of AED 30,000 per semester

**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
5	MS Pharmacy (1 st Year)	2,000
6	MS Nursing (1 st Year)	2,000
	MS Nursing (2 nd Year)	1,000

iv) Other Fee:

S.No	Fee Details	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 (Semester 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	Dissertation Fee per annum	2,500	MSN /MSM/ MSP (Year II)
6	Convocation Fee	1,500	Final Year students (all programs)
7	Uniform Fee per annum *	1,100	BSN (Year I)
		420	RNBSN / MSN (Year I)
8	Student Nurses Forum Fee * per annum	100	BSN / RNBSN / MSN
9	Mal -Practice Insurance Fee * per annum	150	BSN (Year 4 & 3) - Mandatory
			RNBSN / MSN – Optional for those who are working in hospitals
10	BLS Course Fee per annum *	420	MD (Year VI) & optional for other students
11	Cheque Bounced Charges *	500	For each instance

*Including 5% VAT

v) Optional Fee:

S.No	Fee Details	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
		500	For Master's 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.

**vii) Transport Fee per Semester (Optional)**

S.No	Fee Details	Amount (AED)
1	From Dubai, Sharjah, Ajman & Umm Al Quwain	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 semesters, full semester fees will be levied.

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 module/course/semester.

9.5 Registration of Students:

- a) Registration of students is deemed to be complete upon confirmation of admission to the University, along with payment of all fees for the respective semester.
- b) 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.
- c) 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:

- a) 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/-.
- b) Students will NOT be eligible to enroll after the expiry of late registration date.
- c) 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 all classwork including the clinical 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 31 st 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

- 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.
- Such student/parent/guardian/sponsor whose cheques has/have 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 fee is 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

- a) 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.
- b) Students are evaluated on the basis of their academic and clinical performance.
- c) 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.
- d) 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.
- e) 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.
- f) Students should use information technology in keeping with the regulations of the University.
- g) 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.
- h) 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.
- i) 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.
- j) 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.
- k) 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.
- l) 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

- a) 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.
- b) 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.
- c) The counseling center provides crisis intervention assistance to the students who are experiencing crises which affect their ability to function in the community
- d) RAKMHSU provides career services to graduates 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

- a) Learning Skills and Tutorial Programs: The Office of Student Affairs organizes workshops on personality management, time management, test-taking, vocabulary development and stress management.
- b) 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.
- c) 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.
- d) 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.
- e) Social and Cultural Activities: The Office of the Student Affairs organizes implements and supervises all social, cultural and entertainment programs relating to the students.
- f) Spiritual Facilities: The University offers separate prayer rooms for men and women.
- g) 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.
- h) 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.



- i) 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
- j) 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 Student Council

A detailed account is available in Section 10 of the 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.

10.5 University Guide to Student Behavior

A detailed account is available in Section 10 of the Student Handbook

- a) 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.
- b) 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.
- c) These regulations include policies on student academic integrity and academic honesty. Procedures and policies for disciplinary action are also clearly detailed.
- d) 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
- e) 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.
- f) Policy on Sexual Harassment: The University has zero tolerance on sexual harassment of any member of the university community by another.
- g) 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.

10.6 Academic Honesty

The policy for academic honesty is outlined below:

- a) All academic work and materials submitted for assessment must be the work of the student.
- b) 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.



- c) Students are prohibited from submitting any material prepared by or purchased from another person or company.
- d) 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.
- e) 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.

10.7 IT Enabled Services and Resources of the University

1. Information Technology (IT) Department at RAKMHSU ensures that, IT Enabled Services and Resources are available round the clock with easier accessibility from anywhere and any device to the Students, Faculty and Staff Members.
2. IT Department is a Support Center to Design, Develop, Maintain and required IT Enabled Services & Resources of the University to contribute efficiently for the Learning, Teaching, Research and Administrative Activities
3. 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.

10.7.1 IT Resources

1. RoboCampus - UMS is a Tailor-made ERP System with 14 Number of functional modules to facilitate smoother 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] Cameras to 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.

10.7.2 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.

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 Email Password. 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.

10.7.3 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.

10.8 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.

10.8.1 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.

10.8.2 Procedures for implementation of Grievance Redressal

10.8.2.1 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.



10.8.2.2 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.

10.8.2.3 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.

10.8.2.4 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.

10.8.2.5 Final Disposition

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

10.8.2.6 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/ faculty /staff, or on any other ground which the university deems necessary. A formal proceeding shall be initiated before such dismissal.

10.8.2.7 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, through email and / or 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.



11. General Guidelines

11.1 Academic Honor System

The Academic Honor System of RAKMHSU has based on the premise that each student has the responsibility to:

- Uphold the highest standards of academic integrity in the student's work;
- Refuse to tolerate violations of academic integrity in the academic community; and
- Foster a high sense of integrity and social responsibility on the part of the University Community.

Violations of this Academic Honor System will not be tolerated in the class. Specifically, the teaching faculty will rigorously pursue incidents of plagiarism of any type or references to any unauthorized material during examinations. Therefore, before submitting any work for this class, please read the Academic Honor System in its entirety in the RAKMHSU Student Handbook and ask the faculty members to clarify any of its expectations that you do not understand.

11.2 Course Delivery

11.2.1 Lectures

Lectures consist of presentations and discussions on individual course-related topics. Lectures are generally scheduled for two hours each and based on the credits hours of the course. Lecture-related materials/PowerPoints are shared with the students before the scheduled session. Students are expected to be sufficiently familiar with the lecture topic and are encouraged to ask questions and participate in discussions during the sessions. The course description consists of the weekly distribution of lecture topics shared with the students at the beginning of the semester. This will make the students acquainted with the lecture topics.

11.2.2 Small-Group Discussions

Small group discussion sessions are intended to reinforce course content covered in lecture periods and expand students' knowledge and understanding. Small group learning sessions are conducted on a need basis.

11.2.3 Case-Based Learning (CBL)

Case-based learning (CBL) exercises integrate different basic contents with clinical pharmacy. The CBL sessions allow opportunities to integrate theoretical knowledge with clinical skills. The CBL sessions thus reinforce knowledge gained in lecture periods and expand knowledge to understand various pharmaceutical care principles. In addition, students evaluate the assigned cases and present them as per the recommended outlines/formats of the individual courses. The students are assessed daily after completing each session of the CBL. CBL performance is assessed using knowledge, skills, comprehension, and attitude parameters, and a CBL report.



11.2.4 Problem-Based Learning (PBL)

There is one PBL for each course, which is conducted in two sessions. In addition, for some courses, Integrated PBLs are also conducted. Both the sessions of the PBL are evaluated, quantitatively and qualitatively, by the concerned course faculty using rubrics. PBL has a weightage of 15% of continuous assessments.

11.2.5 Assignments

There is a minimum of one assignment for each course per semester, and its placement is left to the course coordinator. Assignment topics are given to different students, and at least two weeks are given to the students to complete the given assignment. Assignments are checked for similarity using Plagiarism Detection Software available in the university library. Assignments submitted by the students are evaluated using rubrics. Evaluation of assignments includes the basic format, quality parameters such as originality, content relevance, etc. The assignment has a weightage of 10% of continuous assessments

11.2.6 Seminar

There is a minimum of one Seminar per course, and its placement is left to the course coordinator. Seminar topics are given to the students, and at least two weeks are given to prepare for the assigned Seminar. Seminars given by the students are evaluated using rubrics. Evaluation of the Seminar includes personal attributes, audiovisual aids, presentations, feedback (questions and answers), etc. The seminar has a weightage of 15% of continuous assessments

11.2.7 Practical Skills (wherever applicable)

Course those which do not have CBL will have practicals. The practicals will assist the students in effectively performing clinical pharmacy services such as medication history interviews, patient counseling, medication therapy management, etc. The practical sessions assist students to synthesize drug molecules, formulate, handle different machinery in the manufacture and analysis of drug compounds. It is important that laboratory practical skills are learnt properly to implement them safely in the work place. The students are assessed daily after completing each session of the practicals. The performance in practicals is assessed using knowledge, skills, comprehension, and attitude parameters and a practical record.

At the end of the practical sessions, the students will be able to:

- Effectively perform clinical pharmacy services such as medication history interviews, patient counseling, medication therapy management, etc.
- Provide effective drug/ patient information services.
- Develop pharmaceutical care plans.
- Practical sessions are conducted in the skills laboratory for MSN/MSM students. It provides opportunity to practice various skills under faculty supervision.



- Identify various drug-related problems such as adverse drug reactions (ADRs) and Drug-drug Interactions (DDIs).
- Adjust drug dosage in special population.
- Responding to symptoms in a community pharmacy setting.
- Design clinical trial protocols, research protocols, and informed consent forms.
- Perform various statistical tests using statistical software.
- Develop appropriate experimental analytical techniques and use statistical methods for data evaluation as per guidelines.
- Carry out extraction procedures to isolate drug compounds from herbal sources.
- Perform structure activity studies and carry out molecular modeling studies.
- Assess the stability of solid dosage forms under different temperature and humidity conditions.
- Perform unit operations as per current GMP practices integrating different allied areas of product manufacture.

11.2.8 Self-Directed Learning

Self-Directed Learning is a form of learning in which students direct their studies outside of the classroom and without direct supervision. By practicing self-directed learning, they are encouraged to explore further topics they are interested in, developing stronger study skills. A Block of time is scheduled in the timetable for self-directed use of faculty resources.

11.2.9 Clinical Training

Clinical training is a component wherein the students acquire pharmaceutical care related skills under the supervision of preceptors at the recognized rotation sites. The students are trained under different areas of clinical practice such as Internal Medicine, Ambulatory Care, Pediatrics, Critical Care, Geriatric Medicine, etc. Clinical training prepares the students to function independently and as a member of the health care team. The students are required complete the core and elective rotations to the satisfaction of the clinical rotation syllabi.

11.2.10 Research Thesis

During Research Thesis, the students are required to take up a research project of their choice in the area of their respective specialization such as current area of clinical pharmacy / pharmacy practice OR synthesis of drug molecules and their characterization OR formulation development /stability studies etc., under the supervision and guidance of a recognized faculty supervisor. The students are required to prepare and submit a written thesis on the research topic according to the recommended guidelines. After submitting the thesis, the students are required to undergo a viva-voce examination to defend the same.



- Identify various drug-related problems such as adverse drug reactions (ADRs) and Drug-drug Interactions (DDIs).
- Adjust drug dosage in special population.
- Responding to symptoms in a community pharmacy setting.
- Design clinical trial protocols, research protocols, and informed consent forms.
- Perform various statistical tests using statistical software.
- Develop appropriate experimental analytical techniques and use statistical methods for data evaluation as per guidelines.
- Carry out extraction procedures to isolate drug compounds from herbal sources.
- Perform structure activity studies and carry out molecular modeling studies.
- Assess the stability of solid dosage forms under different temperature and humidity conditions.
- Perform unit operations as per current GMP practices integrating different allied areas of product manufacture.

11.3 Faculty/Course Evaluation

11.3.1 Faculty Evaluation

Students will have the opportunity to evaluate each RAK MHSU faculty member using a standard evaluation questionnaire after a major block of material presented by that faculty/instructor.

11.3.2 Course Evaluation

Students will also have the opportunity to evaluate the course at its conclusion. Suggestions and comments concerning the course, its material, and conduct are welcome and may be made to the Chairperson.

11.3.3 Records

All laboratory, rotations case presentations, assignments, and patient counseling should be written in a record book and submitted for evaluation.

11.4 Research Policy of RAKMHSU

The RAKMHSU maintains that research adds value to the interests of its stakeholders, the postgraduate students and faculty, and society. Therefore, RAKMHSU's mission is the principal element that drives the content and priorities of the individual college's research agenda. As a workplace-based institution, given its mission focus on the pharmacy/nursing practitioner, RAKMHSU's research agenda focuses on practice-based research to validate, enhance and advance the various disciplines of pharmacy and nursing and their pedagogy.



The RAKMHSU classifies research into three types:

- **Discipline-based research** — sometimes called basic research or the “scholarship of discovery; this type of research contributes to the stock of knowledge of pharmacy and nursing and its practice;
- **Applied research** — or the “scholarship of application”; this type of research contributes to practice by applying knowledge directly to problems in pharmacy and nursing and its practice; and
- **Learning and pedagogical research** —referred to as the “scholarship of teaching”- pertains to developing instructional materials.

In implementing its research policy and programs, RAKMHSU is committed to ensuring that the college's research outputs conform to acceptable standards of quality and adhere to the principles of ethics and integrity.

12. 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 College of Pharmacy at Ras Al Khaimah Medical and 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 College of 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.

RAKCOP also offers MS Programs in Clinical Pharmacy, Pharmaceutics, and Pharmaceutical Chemistry to prepare specialist Pharmacists in their chosen field.

The duration of Master program is two years. Regular programs during the academic year, including Students Orientation, Students Scientific Conferences, Community Outreach Activities, hospital and industry visits, conferences such as Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT), student scientific conference, research, and publications, etc. motivate the students for higher educational goals.

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 College 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 city of Ras Al Khiamah, with easy access to a wide range of social, cultural, recreational and athletic activities.

Welcome to the Ras Al Khiamah 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 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

Acting Dean, College of Pharmacy



12.1 RAK College of Pharmacy: Vision, Mission and Goals

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 pharmaceutical sciences which are recognized nationally, regionally and internationally.
2. To promote openness, diversity, fairness and academic freedom.
3. To ensure that pharmacy 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 pharmaceutical sciences, drug industries and universities.

Goals Master of Science in Clinical Pharmacy Program

The Master of Science in Clinical Pharmacy program is designed to train graduates who can provide patient-centered & population-centered care in a multidisciplinary approach by applying medical and therapeutic knowledge of clinical pharmacy practice in identifying, resolving, and preventing medication-related problems.

The Goals of Master of Science in Clinical Pharmacy Program are to:

1. Prepare qualified clinical pharmacy graduates with strong professional knowledge, skills, and attributes to deliver various pharmaceutical care services in a challenging healthcare environment.
2. Develop skills in medication optimization and the ability to communicate with a range of healthcare professionals to promote the appropriate use of medications.

3. Prepare graduates to deliver evidence-based clinical pharmacy services.
4. Strengthen graduates' critical thinking and research skills to deliver high-quality patient care.
5. Enhance the ability to collaborate with patients, caregivers, and health care professionals to create an intra-professional and interprofessional approach to patient-centered and population-centered care.

12.2 Master of Science in Clinical Pharmacy

Master of Science in Clinical Pharmacy Program is full-time and delivered onsite. The total duration of the program is of two-years. The first two semesters comprise of course work, while semester three and four include clinical rotations and a research thesis

12.2.1 Program Outcomes

On successful completion of this program, the graduate will be able to

A. Knowledge	
1	Demonstrate advanced knowledge of pharmacotherapeutics, pharmacokinetics, and clinical pharmacy practice.
2	Illustrate the principles of safe and effective use of medications in patient and population -based care.
B. Skills	
3	Critically analyze scientific literature on drugs, diseases, and technologies to enhance clinical decision -making and research.
4	Design a customized pharmaceutical care plan to optimize therapeutic outcomes and ensure patient safety.
5	Communicate effectively with patients, caregivers, and other health care professionals in various practice settings.
6	Apply evidence -based medicine, ethics, and patient safety concepts in clinical pharmacy practice and research.
7	Manage drug-related problems as part of the health care team to improve the quality of patient care.
C. Competence	
C1	Autonomy & Responsibility
8	Demonstrate professional leadership skills and innovation in clinical pharmacy practice and research.
9	Solve pharmaceutical care issues independently and as a team member to enhance therapeutic outcomes.
C2	Self-Development
10	Deliver patient -centered and population -based care in a legal, ethical, and compassionate manner.
11	Exhibit appropriate skills for independent and life -long learning for continuous professional development.
C3	Role in Context
12	Collaborate effectively with health care professionals to create an intra and interprofessional approach to patient and population - centered care.



12.2.2 Study Plan for MS in Clinical Pharmacy

SEMESTER – 1	Course #	Title	Credits		SEMESTER – 2	Course #	Title	Credits			
			Theory	CBL/ Practical				Theory	CBL/ Practical		
	PTH 913 -1	Pharmacotherapeutics -1	2	1		PTH 923 -3	Pharmacotherapeutics – 3	2	1		
	PTH 912 -2	Pharmacotherapeutics -2	2	-		PTH 922 -4	Pharmacotherapeutics – 4	2	-		
	PPC 913	Principles of Clinical Pharmacy Practice & Patient Data Analysis	2	1		PAC 923	Advanced Clinical Pharmacy Practice	2	1		
	PHP 912	Hospital Pharmacy & Pharmacoinformatics	2	-		PCP 922	Clinical Pharmacokinetics	2	-		
						PCR 922	Clinical Research Methodology	2	-		
	Total Credits		10			Total Credits		12			
SEMESTER - 3	Course	Title	Duration (weeks)	Credit Hours	Clinical Hours	SEMESTER - 4	Course	Title	Duration (weeks)	Credit Hours	Clinical Hours
	PIM 932 -1	Internal Medicine - 1	4	2	160		PPE 942	Pediatrics	4	2	160
	PIM 932 -2	Internal Medicine - 2	4	2	160		PCC 942	Critical Care	4	2	160
	PAC 932	Ambulatory Care	4	2	160		PEL 942	Electives *	4	2	160
	PRT 933	Research Thesis	--	3	160		PRT 943	Research Thesis	--	3	160
	Total Credits			9	640		Total Credits			9	640

* Each core clinical rotation will be for FOUR weeks (40 hours/week)

Students have to successfully complete semesters 1 & 2 to be eligible for the clinical rotations

*Students can choose any two of the given elective rotations. Each elective rotation will be for TWO weeks (40 hours/week)

Course Code	Elective Rotations	Duration (weeks)	Credit Hours	Clinical Hours	The Total Clinical Hours of MSCP Program Clinical Training
PGM 941	Geriatric Medicine	2	1	80	The total Clinical Hours of rotation is 640 + 640 = 1280; after deducting the research thesis -related clinical hours, the total clinical hours will be 960
PHA 941	Hospital Pharmacy Administration	2	1	80	
PDI 941 -1	Drug Information -1	2	1	80	
PDI 941 -2	Drug Information -2	2	1	80	
PCP 941	Community Pharmacy	2	1	80	

12.2.3 Instructional Methods

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 making the learning environment more interactive, integrating technology into the learning experience, and using collaborative learning strategies when appropriate.

12.2.4 Hospital Facilities for Clinical Teaching

RAKMHSU uses the facilities of Sheikh Saqr hospital, Ibrahim Bin Hamad Obaidallah hospital, Fujairah hospital, Abdullah Bin Omran Hospital, RAK Hospital, and Sheikh Khalifa specialty hospital in Ras Al Khaimah 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 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 and operative work.

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

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 minimally 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 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

12.2.5 Assessment, Evaluation, Grading and Promotion

12.2.5.1 Assessment

Students shall be assessed continuously through assignments, seminars, mid-semester exams, case-based learning assessments, problem-based learning sessions, and university examinations. The continuous assessment components for each course shall contribute for 60% of the marks, and the End Semester examinations shall contribute for the remaining 40% marks.

During the examinations, theory, and where applicable, practical examinations shall be held for each course and graded for 50% of the total marks in the determination of the final grade.

**12.2.5.2 Theory (Specific for each course)**

Continuous assessment : 60%

End Semester Examination : 40%

- Multiple choice questions : 30%
- Extended response essays : 70%

12.2.5.3 Practical (Specific for each course)

- Continuous Assessment : 60%
- End Semester Practical Examination (ESPE/OSPE) : 40%

Case presentations (wherever applicable)

Students must pass theory and practical separately for each course.

12.2.5.4 Clinical Rotations

Continuous Assessment : 70%

End Rotation Evaluation – OSCE : 30%

12.2.5.5 Examination Schedule

Semester	Courses	Timing of Examinations/Assessments
1	Pharmacotherapeutics –1 (PTH 913-1)	At the end of First Semester
	Pharmacotherapeutics-2 (PTH 912-2)	
	Principles of Clinical Pharmacy Practice & Patient Data Analysis (PPC 913)	
	Hospital Pharmacy & Pharmacoinformatics (PHP 912)	
2	Pharmacotherapeutics – 3 (PTH 923-3)	At the end of the second semester
	Pharmacotherapeutics – 4 (PTH 922-4)	
	Advanced Clinical Pharmacy Practice (PAC 923)	
	Clinical Pharmacokinetics (PCP 922)	
	Clinical Research Methodology (PCR 922)	
3	Internal Medicine - 1 (PIM 932-1)	At the end of the third semester (for Clinical Rotations)
	Internal Medicine – 2 (PIM 932-2)	
	Ambulatory Care (PAC 932)	
	Research Thesis (PRT 933)	
4	Pediatrics (PPE 942)	At the end of the fourth semester (for Clinical Rotations)
	Critical Care (PCC 942)	
	Electives	
	Research Thesis	Thesis submission at th end of fourth semester



12.2.6 Summary of the Courses

SEMESTER - 1

PTH 913-1: Pharmacotherapeutics -1

(2+1 = 3 Credits)

Pharmacotherapeutics -1 is a three-credit course offered in the first semester of the first year of the MS Clinical Pharmacy Program. This course aims to develop the necessary professional skills for the drug therapy management of diseases related to different systems, including cardiovascular, respiratory, renal, and hematology. This knowledge will help the students to apply therapeutic skills and rational selection of drugs to manage these diseases. In addition, this course also deals with the general therapeutic management of drug overdose, including cardiovascular, respiratory, and hematological drugs. Learning is facilitated through interactive lecture sessions, ward rounds, case-based learning, self-directed learning, small group sessions, assignments, problem-based learning, seminars, and course examinations.

PTH 913-2: Pharmacotherapeutics - 2

(2+0 = 2 Credits)

Pharmacotherapeutics -2 is a two-credit course offered in the first semester of the first year of the MS Clinical Pharmacy Program. This course aims to develop the necessary professional skills for the drug therapy management of diseases related to infectious diseases, such as respiratory tract infections, urinary tract infections, gastrointestinal infections, meningitis, endocarditis, etc., This knowledge will help the students to apply therapeutic skills and rational selection of drugs to manage these infectious diseases. In addition, this course deals with antimicrobial stewardship and the rational use of antimicrobials. Furthermore, students will also learn about the therapeutic management of antibiotic overdose. Learning is facilitated through interactive lecture sessions, ward rounds, case-based learning, self-directed learning, small group sessions, assignments, problem-based learning, seminars, and course examinations.

PPC 913: Principles of Clinical Pharmacy Practice & Patient Data Analysis

(2+1 = 3 Credits)

Principles of Clinical Pharmacy Practice & Patient Data Analysis is a three-credit course offered in the first semester of the first year of the MS Clinical Pharmacy Program. The course aims to prepare the student to understand the professional roles of a clinical pharmacist. During the course, the students learn about general professional activities of a clinical pharmacist such as ward round participation, medication history interview, medication review, adverse drug reaction monitoring and provision of drug information, etc. Learning is facilitated through interactive lecture sessions, ward rounds, case-based learning, self-directed learning, small group sessions, assignments, problem-based learning, seminars, and course examinations.

**PHP 912: Hospital Pharmacy & Pharmacoinformatics****(2+0 = 2 Credits)**

Hospital Pharmacy & Pharmacoinformatics is a two-credit course offered in the first semester of the first year MS Clinical Pharmacy Program. The main goal of the course is to prepare the student to understand the professional roles of hospital pharmacists and delegate the same diligence to provide effective services to clinicians and patients. The students will acquire the knowledge and skills to perform the professional role of a hospital pharmacist. The students will learn about the various hospital pharmacy-related topics such as drug dispensing, distribution, patient counseling, hospital pharmacy management and administration, leadership skills, pharmacoinformatics, including artificial intelligence in hospital pharmacy, telepharmacy, automated dispensing, and medication errors management. Learning is facilitated through interactive lecture sessions, hospital pharmacy visits, self-directed learning, assignments, seminars, problem-based learning, guest lectures, and course examinations.

SEMESTER 2**PTH 923-3: Pharmacotherapeutics – 3****(2+1 = 3 Credits)**

Pharmacotherapeutics-3 is a three-credit course offered in the second semester of the first year of the MS Clinical Pharmacy Program. The course aims to develop the necessary professional skills for drug therapy management of different diseases, such as bone and joint disorders, neurological disorders, and psychiatric disorders. This knowledge will help the students to apply therapeutic skills and rational selection of drugs to manage these diseases/disorders. In addition, this course also deals with the therapeutic management of drug overdoses of NSAIDs and psychotropic and anti-epileptic drugs. In addition, this knowledge helps the students apply their therapeutic skills and knowledge in the rational selection of drugs to manage diseases or disorders. Learning is facilitated through interactive lecture sessions, ward rounds, case discussions, case-based learning, self-directed learning, small group sessions, assignments, problem-based learning, seminars, and course examinations.

PTH 922-4: Pharmacotherapeutics - 4**(2+0 = 2 Credits)**

Pharmacotherapeutics-4 is a two-credit course offered in the second semester of the first year of the MS Clinical Pharmacy Program. The course aims to develop the necessary professional skills for drug therapy management of different diseases related to systems such as gastrointestinal, endocrine, ophthalmology, dermatological, and oncology. In addition, this course also deals with the management of toxicity related to opioids, alcohol, and antidiabetic drug overdose. Furthermore, this knowledge helps the students to apply their therapeutic skills in rationalizing drugs to manage diseases. Learning is facilitated through interactive lecture sessions, ward rounds, case-based learning, self-directed learning, small group discussion, case discussions, assignments, problem-based learning, seminars, and course examinations.

**PAC 923: Advanced Clinical Pharmacy Practice****(2+1 = 3 Credits)**

Advanced Clinical Pharmacy Practice is a three-credit course offered in the second semester of the first year of the MS Clinical Pharmacy Program. The course aims to prepare the student for advanced concepts of clinical pharmacy practice such as pharmacoeconomics, pharmacoepidemiology, pharmacovigilance, drug safety, evidence-based medicine, and biomedical literature evaluation. In addition, students will acquire knowledge and skills related to medication therapy management, medication concordance, precision medicine, artificial intelligence in clinical pharmacy practice, and public health promotion. Learning outcomes of this course will be achieved through case-based learning, journal club activities, hands-on activities, interactive lectures, assignments, seminars, group discussions, self-directed learning, problem-based learning, and course examinations.

PCP 922: Clinical Pharmacokinetics**(2+0 = 2 Credits)**

Clinical pharmacokinetics is a two-credit course offered in the second semester of the first-year MS Clinical Pharmacy Program. The main goal of the course is to prepare the student to learn and understand the significance of the various pharmacokinetic parameters in a clinical situation. In addition, the course aims at the student's ability to plan the dosage adjustments based on the drug levels. In addition, the students will also gain knowledge of bioavailability and bioequivalence studies and their clinical significance. The simulated case-based learning sessions involve estimating various pharmacokinetic parameters influencing drug therapy. Learning is facilitated through interactive lectures, case-based learning using simulation software, assignments, seminars, group discussions, self-directed learning, problem-based learning, therapeutic drug monitoring facility visits, and examinations.

PCR 922: Clinical Research Methodology**(2+0 = 2 Credits)**

Clinical Research Methodology is a two-credit course offered in the second semester of the first-year MS Clinical Pharmacy Program. The main goal of the course is to advance the knowledge and understanding of research through critical exploration of different elements of research, such as research objectives, review of literature, research designs, research ethics, sampling, data collection, statistical data analysis, and interpretation using Statistical Package for Social Sciences (SPSS). The course will help the students develop the skills needed to conduct a research project independently. In addition, the students will appraise the various stages of the clinical drug development process and different regulatory requirements for drug approvals. The educational objectives of this course will be achieved through interactive lecture sessions, self-directed learning, and activities including hands-on training on SPSS, assignments, seminars, problem-based learning, and course examinations.

**SEMESTER 3****PIM 932: Internal Medicine-1****(0+2 = 2 Credits)**

Internal Medicine-1 is a two-credit clinical rotation offered in the third semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is a core rotation that the students must complete compulsorily. This rotation aims to prepare the students to provide pharmaceutical care services related to common conditions encountered in the internal medicine setting, including respiratory, gastrointestinal, endocrine, hematological disorders, and various infectious diseases. In addition, students will acquire knowledge and skills related to treatment, patient education, and identifying and resolving pharmaceutical care in internal medicine patients as a part of pharmaceutical care services. The rotation will include ward round participation, discussion, and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

PIM 932: Internal Medicine-2**(0+2 = 2 Credits)**

Internal Medicine-2 is a two-credit clinical rotation offered in the third semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is a core rotation that the students must complete compulsorily. This rotation aims to prepare the students regarding pharmacotherapy of common disease conditions encountered in internal medicine specialty areas like cardiology, nephrology, and neurology. In addition, students will acquire knowledge and skills related to treatment, patient education, and identifying and resolving pharmaceutical care issues in specialty medicine patients as a part of pharmaceutical care services. The rotation will include ward round participation, discussion, and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

PAC 932: Ambulatory Care**(0+2 = 2 Credits)**

Ambulatory Care is a two-credit clinical rotation offered in the third semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is a core rotation that the students must complete compulsorily. This rotation aims to prepare the students regarding pharmacotherapy of common disease conditions encountered in the ambulatory care setting. Students will acquire knowledge and skills related to treatment, patient education, and identifying and resolving pharmaceutical care in ambulatory care patients as a part of pharmaceutical care services. The rotation will include outpatient clinical postings in internal medicine, nephrology, neurology, pediatrics, psychiatry, and dermatology. The rotations will also include discussion and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

**SEMESTER 4****PPE 942: Pediatrics****(0+2 = 2 Credits)**

Pediatrics is a two-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is a core rotation that the students must complete compulsorily. This rotation aims to prepare the students regarding pharmacotherapy of common disease conditions encountered in pediatric patients. Students will acquire knowledge and skills related to treatment, patient education, and identifying and resolving care issues in pediatric patients as a part of pharmaceutical care services. The rotation will include inpatient clinical postings in the pediatric department. The rotations will also include discussion and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

PCC 942: Critical Care**(0+2 = 2 Credits)**

Critical Care is a two-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is a core rotation that the students must complete compulsorily. The rotation will help the students develop and refine the knowledge and skills necessary for providing pharmaceutical care to critically ill patients, emphasizing the medical and coronary critical care populations. Students will acquire knowledge and skills in pathophysiology, pharmacotherapy, and management of various disease states like acute coronary syndrome, acute respiratory distress syndrome, community-acquired pneumonia, acute liver failure, etc., within the critical care unit. The rotation will include ward round participation, discussion, and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to ensure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

PRT 933 & 943: Research Thesis**(0+6 = 6 Credits)**

Research Thesis consists of six credits that students undertake in the third and fourth semesters of the M.S. Clinical Pharmacy Program. Research Thesis aims to train the students in research areas like research design, literature review, writing a research proposal, data collection, data analysis, comparison of results, drawing conclusions, and making appropriate future recommendations. The students are required to take up a research project of their choice in the current area of clinical pharmacy and pharmacy practice under the supervision and guidance of a recognized faculty supervisor. Students will also present the results of each stage of their work to the supervisor and the other students in the program. In addition, the students must prepare and submit a written thesis on the research topic according to the recommended guidelines. After submitting the thesis, the students must undergo a viva-voce examination to defend the same.

**PGM 941: Geriatric Medicine****(0+1 = 1 Credits)**

Geriatric Medicine is a one-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is an elective rotation that the students may choose as one of the two electives. This rotation aims to prepare the students to provide pharmaceutical care services to geriatric patients. In addition, the rotation will help the students develop and refine advanced knowledge and skills necessary for carrying out medication history reviews, conducting screening assessments, providing patient counseling, & developing patient care plans for age-related disorders like infectious diseases, endocrine disorders, respiratory disorders, gastrointestinal disorders, etc. The rotation will include ward round participation, discussion, and reflection sessions with the preceptors at the rotation site. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a clinical setup.

PHA 941: Hospital Pharmacy Administration**(0+1 = 1 Credits)**

Hospital Pharmacy Administration is a one-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is an elective rotation that the students may choose as one of the two electives. This rotation aims to make the students understand the professional roles of hospital pharmacists and delegate the same diligently to provide effective services to the healthcare personnel and the patients. In addition, the students will acquire knowledge and skills related to various hospital pharmacies and administration services such as inpatient and outpatient dispensing, robotic dispensing, barcoding, drug distribution, drug procurement, hospital formulary, information technology, and inventory personnel, logistics, and financial management. The rotation will include posting in hospital pharmacy discussion and reflection sessions at the rotation site. In addition, the students will complete a checklist of activities, assessments, and reports to assure sufficient breadth of experience and exposure to necessary components and activities in a hospital setup.

PDI 941-1: Drug Information-1**(0+1 = 1 Credits)**

Drug Information-1 is a one-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is an elective rotation that the students may choose as one of the two electives. This rotation aims to provide the students with an enhanced understanding of the systematic approach for retrieving and evaluating drug information using primary, secondary and tertiary drug information resources and online databases, along with an appreciation of the role of the drug information specialist in multidisciplinary patient care needs. In addition, the rotation will facilitate student learning and critical thinking skills in a drug information center to understand and communicate essential medical information to the health care professionals and consumers.

**PDI 941-2: Drug Information-2****(0+1 = 1 Credits)**

Drug Information-2 is a one-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is an elective rotation that the students may choose as an advancement of the drug information-1 elective rotation. This rotation aims to provide the students with an advanced understanding of the systematic approach for retrieving and evaluating drug information, systematic comparison of different drug information databases, quality assurance of drug information, poison information, and training students in evaluating and reporting adverse drug reactions.

PCP 941: Community Pharmacy**(0+1 = 1 Credits)**

Community Pharmacy is a one-credit clinical rotation offered in the fourth semester of the MS Clinical Pharmacy program. This course is a part of the clinical training and is an elective rotation in the community pharmacy setting that the students may choose as one of the two electives. This rotation aims to prepare the students for advanced pharmacy practice roles. The rotation will help the students develop and refine advanced knowledge and skills necessary for dispensing medications, prescription screening, monitoring drug-related problems like drug-drug interactions, adverse drug reactions, providing patient education, prescription, and OTC recommendations, health screening services, symptom management, and product recommendation for common ailments at the community pharmacy level. The rotation will include posting in community pharmacies, discussion, and reflection sessions with the community pharmacists. In addition, the student will complete a checklist of activities and assessments to assure sufficient breadth of experience and exposure to necessary components and activities in a community setup.

12.3 Master of Science in Pharmaceutical Chemistry

Master of Science (MS) Pharmaceutical Chemistry is a two-year program that comprises one year of pharmaceutical sciences courses and practical training and the second year is the Dissertation / Thesis work specialized in pharmaceutical chemistry.

1. To offer academic programs of high quality in pharmaceutical sciences which are recognized nationally regionally and internationally.
2. To promote openness, diversity, fairness and academic freedom.
3. To ensure that pharmacy 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 pharmaceutical sciences, drug industries and universities.

The total number of Credits is 40.

Courses : 28 Credits

Dissertation and research seminar



12.3.1 Program Outcomes

At the end of the program, the students will be able to:

A.	Knowledge
1	Demonstrate the knowledge of modern pharmaceutical sciences and the ability to acquire, manage and use current information in problem solving.
2	Acquire knowledge of the molecular basis of diseases and synthesize/isolate new chemicals entities.
3	Demonstrate the knowledge of pharmaceutical care, especially through quality control of drugs and pharmaceuticals.
4	Evaluate pharmacokinetic and pharmacodynamics concepts in drug discovery development.
5	Apply the concept of synthesis, analysis of pharmaceuticals, and knowledge of natural products in complementary and traditional medicines.
B.	Skills
6	Design, synthesize and analyze new drugs/pharmaceuticals and
7	Extract, isolate, and analyze the chemical constituents from natural products
8	Develop, analyze, interpret drug design and structure - activity relationship models.
9	Organize, record, present, criticize and manage the research in pharmaceutical sciences.
C.	Competence
C1	Autonomy & Responsibility
10	Take responsibility for managing synthesis, extraction of natural products, and quality control of drugs.
C2	Role of Context
11	Manage complex professional processes and motivate the team members for optimal performance by formulating and presenting their viewpoints while respecting others' views and opinions
C3	Self - Development
12	Contribute and observe ethical standards in the implementation of professional practices through GLP and ICH guidelines and evaluate the need for new drug development



12.3.2 Semester - wise Courses

In the first semester of the MS Pharmaceutical Chemistry program, students will be taught Bioorganic Chemistry and Drug Metabolism, Instrumental analytical techniques, Advanced Pharmaceutical Organic Chemistry and Pharmacokinetics and Pharmacology

The students will be exposed to Drug Design and Development medicinal chemistry courses in the second semester, including heterocyclic and chemistry of natural products.

In the third and fourth semesters, students will be exposed to research and expected to take up a research project in the emerging area, contribute to the pharmaceutical research's upliftment, and submit a duly bound thesis of the research findings at the end of the fourth semester. In addition, joint research projects with the pharmaceutical industry will be encouraged. This will expose the students to real-life situations and prepare them to face challenges in their working careers.

12.3.3 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 making the learning environment more interactive, integrating technology into the learning experience, and using collaborative learning strategies when appropriate.

12.3.3.1 Industrial Facilities for Research and Teaching of Pharmacy Students

RAKMHSU has already entered into an MOU with Julphar Pharmaceuticals, Dabur, and Himalaya Drug Company for joint research projects and teaching and pharmaceutical training of the students.

12.3.4 Assessment, Evaluation, Grading, and Promotion

12.3.4.1 Assessment

Students shall be assessed continuously through assignments, seminars, problem-based learning, and university examinations. The continuous assessment components for each course shall contribute for 60% of the marks, and the End Semester examinations shall contribute for the remaining 40% marks. During the mid-semester and end semester examinations, theory, and where applicable, practical examinations shall be held for each course and graded for 50% of the total marks in the determination of the final grade.

**12.3.4.2 Theory (Specific for each course)**

Continuous assessment : 60%

End Semester Examination : 40%

- Multiple choice questions : 30%
- Extended response essays : 70%

12.3.4.3 Practical (Specific for each course)

- Continuous Assessment : 60%
- End Semester Practical Examination (ESPE) : 40%

Students must pass theory and practical separately for each course.

12.3.4.4 Examination Schedule

Semester	Courses	Timing of Examinations/Assessments
1	Bioorganic Chemistry and Drug Metabolism (PBDM 611)	At the end of First Semester
	Instrumental analytical techniques (PIAT612)	
	Advanced Pharmaceutical Organic Chemistry (PPOC613)	
	Pharmacokinetics and Pharmacology (PPAP614)	
2	Drug Design and Development (PDDD621)	At the end of the second semester
	Heterocyclic Chemistry (PHTC622)	
	Chemistry of Natural Products (PCNP623)	
	Medicinal Chemistry (PMDC624)	
3 & 4	Dissertation / Thesis	At the end of the 4 th Semester
3	Seminar - 1	Within the first month of registration
	Seminar -2	Before one month of the end of the semester
4	Seminar -1	Within the first month of registration
	Seminar - 2	Before one month of the end of the semester



12.3.5 Study Plan for MS in Pharmaceutical Chemistry

	Course #	Title	Credits			Course #	Title	Credits	
			Theory	Ward Rounds / Case Presentation / Assignments				Theory	Ward Rounds / Case Presentation / Assignments
SEMESTER - 1	PBDM611	Bioorganic Chemistry and Drug metabolism	3	0	SEMESTER - 2	PDDD621	Drug Design and Development	2	0
	PIAT612	Instrumental analytical techniques	2	2		PHTC622	Heterocyclic Chemistry	2	2
	PPOC613	Advanced Pharmaceutical Organic Chemistry	3	2		PCNP623	Chemistry of Natural Products	2	2
	PPAP614	Pharmacokinetics and Pharmacology	2	0		PMDC624	Medicinal Chemistry	2	2
TOTAL CREDITS			14		TOTAL CREDITS			14	
	Course #	Title	Credits			Course #	Title	Credits	
			Theory	Practical				Theory	Practical
SEMESTER - 3	PDRS 716	Pharmacy Dissertation & Research Seminar	-	06	SEMESTER - 4	PDRS 826	Pharmacy Dissertation & Research Seminar	-	06
TOTAL CREDITS			06		TOTAL CREDITS			06	

12.3.6 Summary of the Courses

PIAT612 Instrumental Analytical Techniques

(2+2 = 4 Credits)

The instrumental analytical course is a four credit course offered in the first semester of first year of MS pharmaceutical chemistry curriculum. This course aim to illustrate the theory and practice of quantitative analysis at the advanced level. This course covers the fundamentals of instrumental methods of analysis, emphasizing spectroscopic, chromatographic techniques. This course provides information about the different instrumental techniques employed in qualitative and quantitative determination of drug substances with special reference to quality control and quality assurance. Pharmaceutical analysis is vital for successful drug development. It is used to determine a drug's structure, level of active ingredient and identify contaminants. Pharmaceutical analysts use range of techniques to examine the constituents of various samples throughout the drug development process. These samples include raw materials used in manufacturing and body fluids collected during drug trials. As an analyst, the student must be familiar with modern instrumental analytical techniques, approaches and pharmacology principles. In addition, regulation demands the work under a strict quality assurance and quality control. Learning is facilitated through interactive lecture sessions, laboratory sessions, self-directed learning (assignments, problem-based learning, seminar) and course examinations.

**PPOC613 Advanced Pharmaceutical Organic Chemistry****(3+2 = 5 Credits)**

Advanced Pharmaceutical Organic Chemistry is a five credit course offered in the first semester of the first year of the MS curriculum. The course goal is to provide the foundation for producing pharmaceutical chemistry post-graduates studied earlier who are knowledgeable in the fundamentals of Organic Chemistry.

The students will apply this knowledge to course discussion of advancement in Organic Chemistry by studying Catalysis, Aromatic Nucleophilic reactions, stereochemistry and pericyclic reactions. They will be able to understand and carry out Organic Synthesis based on above methods. The course also includes advanced organic methods like combinatorial chemistry and its application. This promotes use of resources such as library, faculty and information technology. The scheduling of course topics is designed to reinforce topics in other pharmaceutical/medicinal/heterocyclic and natural products and analytical chemistry courses. The following is illustrative of this course's educational objectives, which will be achieved through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar), laboratory practical experiments and course examinations.

PPAP614 Pharmacokinetics and Pharmacology**(2+0 = 2 Credits)**

Pharmacokinetics and Pharmacology is a two credit course offered in the first semester of the first year of the MS curriculum. The course goal is to enrich students' knowledge regarding the fundamentals of Pharmacokinetics and Pharmacodynamics and provide the ability to relate them to the chemical structure of drugs. The students will apply this knowledge to course discussion of how drugs work, & general principles underlying the interaction of drugs with living systems and drug affinity and efficacy. This will be followed by more detailed discussion of different types of drug-receptor interaction. Students will understand how chemical structure affects the absorption, distribution, metabolism and excretion of drugs. In addition, they will learn the essentials of interpreting pharmacokinetic data for prediction of human doses and therapeutic uses of drugs. This course promotes use of resources such as library, faculty and information technology which leads the students in the development of critical scientific thinking and in the acquisition of appropriate knowledge of pharmacokinetics and pharmacology principles which will help them in their specific area of research.

Learning is facilitated through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar) and course examinations.

**SEMESTER 2****PDDD621 Drug Design and Development****(2+0 = 2 Credits)**

Drug design and development is a two credit course offered in the second semester of the first year of the M.S. pharmaceutical chemistry curriculum. The course goal is to provide the foundation for producing pharmaceutical chemistry post graduates who are knowledgeable in the fundamentals of drug development strategies.

The students will apply this knowledge to course discussion of drug actions, drug receptor interactions and drug design and development methods. They will be able to carry out QSAR and molecular modeling methods. This promotes use of resources such as library, faculty and information technology. The scheduling of course topics is designed to reinforce topics in other medicinal chemistry course. Learning is facilitated through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar) and course examinations.

PHTC622 Heterocyclic Chemistry**(2+2 = 4 Credits)**

Heterocyclic Chemistry course is a four credit course offered in the second semester of the first year of the S curriculum. The course is aimed to introduce students to the basic chemistry of the heterocycles, their occurrence in nature, understand the pharmaceutical applications of the heterocycles. This course deals with the chemistry of compounds that contain heteroatoms in the ring, their syntheses, reactions and uses in drug production. The heterocycles to be studied include the five and six membered monocycles and the fused heterocycles. Students will understand the importance heterocycles in biological systems and in pharmaceuticals. Students will be able to draw mechanisms for reactions involving heterocycles as starting materials, intermediates and products, and be able to propose syntheses of heterocycles from the major classes. Students will be able to relate significant chemical properties to structure. Learning is facilitated through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar), laboratory practical experiments and course examinations.

**PCNP623 Chemistry of Natural Products****(2+2 = 4 Credits)**

Chemistry of Natural Products is a three credit course offered in the first semester of the first year of the MS curriculum. The course goal is to provide the foundation for producing pharmacy graduates who are knowledgeable with a broad overview of natural product science. The students will apply this knowledge to course discussion of natural products as medicines and general methods associated with the phytochemical investigation of herbal products. They will be able to carry out extraction procedures. This promotes use of resources such as library, faculty and information technology. The scheduling of course topics is designed to reinforce topics in other chemistry course. The following is illustrative of the educational objectives of this course which will be achieved through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar), laboratory practical experiments and course examinations.

PMDC624 Medicinal Chemistry**(2+2 = 4 Credits)**

Medicinal Chemistry is a four credit course offered in the second semester of the first year of the M. Pharm curriculum. The course goal is to provide the foundation for producing pharmaceutical chemistry post graduates who are knowledgeable in the fundamentals of Medicinal Chemistry. The students will apply this knowledge to course discussion of prodrugs, enzyme inhibitors, recombinant DNA technology, Use of microbes in drug preparation, agents affecting immune system and gastric acid secretion inhibitors. They will be able to understand and carry out synthesis of drugs based above various methods. This promotes use of resources such as library, faculty and information technology. The scheduling of course topics is designed to reinforce topics in other pharmaceutical/medicinal chemistry courses. Learning is facilitated through interactive lecture sessions, self-directed learning (assignments, problem based learning, seminar), laboratory practical experiments and course examinations.

SEMESTER 3 & 4**PDRS 716 & PDRS 826: Dissertation and Seminar for Pharmaceutical Chemistry****(6+6 = 12 Credits)**

The dissertation is aimed to train a MS student in research methods and techniques under the guidance of a recognized guide / supervisor. Student will be trained in literature review, design of research study, data collection, critical analysis, comparison of results, drawing conclusions and making recommendations. The student will have to present two research seminars related to the dissertation topic and progress. The research seminar related to the dissertation work and progress reports given by the students will help in problem solving, team work and leadership qualities. A total of 12 credits is assigned in 3rd and 4th semesters for different areas of dissertation work mentioned. The dissertation submitted will be evaluated by the recognized examiners appointed by the university. Details are provided in the dissertation manual.



12.4 Master of Science in Pharmaceutics

Master of Science (MS) in the specialization of Pharmaceutics is a level 9 program. It comprises two year program with a first year for course work in Pharmaceutics and the second year for dissertation work. The total number of credits is 41.

The Goals of Master of Science in Pharmaceutics Program are to:

1. To provide a comprehensive education leading to MS degree in Pharmaceutics
2. To prepare students to undertake studies in preformulation and evaluate the usefulness of novel excipients
3. To impart training in various technological aspects related to the manufacture of a range of pharmaceutical products.
4. To foster problem solving skills to independently take up research in the formulation and stability testing of new products
5. To ensure acquisition of knowledge to liaise with the regulatory bodies to take up the matters regarding approval process of products designed.
6. To enlighten the students on advances in biotechnology and novel drug products and their development through research.

**12.4.1 Program Outcomes**

At the end of the program, the students will be able to:

A.	Knowledge
1	Acquire integrated and comprehensive knowledge regarding manufacturing technology, pre-formulation studies, novel drug delivery systems and biotechnology products
2	Develop highly specialized and multidisciplinary information about physical and chemical properties drugs that affect solubility, stability, and other biopharmaceutical properties significant in the development of dosage forms
3	Gain technical knowledge in thrust areas regarding the machinery and instruments involved in the manufacture of drug products.
B.	Skills
4	Demonstrate advanced skills to operate different machinery involved in the manufacturing and analysis of quality pharmaceutical dosage forms.
5	Assess the physicochemical properties of pharmaceutical materials and execute stability and pharmacokinetic testing for a wide range of drug products.
6	Conceive innovative and novel ideas to plan and design research in the area of pharmaceutical technology and pharmacokinetics
C.	Competence
C1	Autonomy & Responsibility
7	Demonstrate control and direct the professional investigations of interactions between drugs and excipients in the formulation of dosage forms
8	Assume a specialist professional role in recognizing the scientific basis of a good formulation and adopt new strategies to offer solutions
C2	Role in context
9	Effectively communicate scientific information both orally and in writing to inform and educate professional and scientific peers.
10	Function independently and take initiative to develop scientific systems and summarize information gleaned from group experiences in product manufacture
C3	Self -Development
11	Perpetuate ethical standards in the implementation of professional practices through cGMP and develop novel products.
12	Develop and demonstrate one's personal contributions in group projects or assignments in drug product development and evaluation

**12.4.2 Semester - wise Courses**

In the first semester students will be taught courses such as Instrumental Analytical Techniques, Product Formulation and Development, Chemical Kinetics and Drug Stability, Novel Drug Delivery Systems.

In the second semester the students will be exposed to courses such as Clinical Pharmacokinetics and Therapeutic Drug Monitoring, Advanced Pharmaceutical Technology, Quality Assurance & Validation, Advanced Pharmaceutical Biotechnology and Advanced Biostatistics & Research Design.

In the second year (3rd & 4th Sem) students will be given different project titles and areas to choose the topic for their Dissertation / Thesis work. At the end of the second year they are required to submit their Dissertation / Thesis for evaluation.

12.4.3 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 economic, scientific and technological challenges.

Faculty members are committed to make learning environment more interactive, to integrate technology into the learning experience, and to use collaborative learning strategies when appropriate.

12.4.4 Industrial Facilities for Research and Teaching of Pharmacy Students

All the laboratory instructional resources required for technical training of MS students are available in RAKMHSU. And efforts will be made to use the facilities of various pharmaceutical industries that exist in Ras Al Khaimah for additional teaching and training of the students. A memorandum of understanding is entered into with pharmaceutical and related industries to train students in different multidisciplinary technological aspects.

The MS (Pharmaceutics) students will participate in the routine formulation and manufacturing of dosage forms and understand the intricacies involved in day to day manufacture.

12.4.5 Assessment, Evaluation, Grading and Promotion**12.4.5.1 Assessment**

Students shall be assessed continuously through assignments, seminars, Mid Semester Assessment problem solving sessions and end semester examination for each course. The continuous assessment components for each course shall contribute for 60% of the marks and the end semester examinations shall contribute for the remaining 40% marks

During the examinations, theory, and where applicable, practical examinations shall be held for each course and graded for 50% of the total marks in the determination of the final grade.

12.4.5.2 Theory (Specific for each course)

Continuous assessment : 60%

End Semester Examination : 40%

- Multiple choice questions : 30%
- Extended response essays : 70%

**12.4.5.3 Practical (Specific for each course)**

- Continuous Assessment : 60%
- End Semester Practical Examination (ESPE) : 40%

Students must pass theory and practical separately for each courses.

12.4.5.4 Examination Schedule

Semester	Courses	Timing of Examinations/ Assessments
1	Product Formulation and Development	At the end of First Semester
	Instrumental Analytical Techniques	
	Chemical Kinetics and Drug Stability	
	Novel Drug Delivery Systems	
2	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	At the end of second semester
	Advanced Pharmaceutical Technology	
	Quality Assurance and Validation	
	Advanced Pharmaceutical Biotechnology	
	Advanced Biostatistics & Research Design	
3 & 4	Dissertation / Thesis	At the end of the 4 th Semester
3	Seminar 1	within first month of registration
	Seminar 2	Before 1 month of end of semester
4	Seminar 1	within first month of registration
	Seminar 2	Before 1 month of end of semester



12.4.6 Study Plan for MS in Pharmaceutics

	Course #	Title	Credits			Course #	Title	Theory	Credits Ward Rounds/ Case Presentation/ Assignments
			Theory						
SEMESTER - 1	PPFD 611	Product Formulation and Development	2	2	SEMESTER - 2	PCPT 621	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	2	2
	PIAT 612	Instrumental Analytical Techniques	2	2		PAPT 622	Advanced Pharmaceutical Technology	3	2
	PCKD 613	Chemical Kinetics and Drug Stability	2	2		PQAV 623	Quality Assurance and Validation	2	0
	PNDD 614	Novel Drug Delivery Systems	2	0		PAPB 624	Advanced Pharmaceutical Biotechnology	2	0
						PABR 625	Advanced Biostatistics & Research Design	2	0
TOTAL CREDITS			14		TOTAL CREDITS			15	
SEMESTER - 3	Course	Title	Credits		SEMESTER - 4	Course	Title	Credits	
			Theory	Practical				Theory	Practical
	PDRS 716	Dissertation & Research seminar	-	6		PDRS 826	Dissertation & Research seminar	-	6
TOTAL CREDITS			06		TOTAL CREDITS			06	

12.4.7 Summary of the Courses

SEMESTER 1

PPFD 611: Product Formulation and Development

(2+2 = 4 Credits)

The aim of the course is to help the student understand the physicochemical concepts required for proper design of bioavailable drug dosage forms. The course teaches aspects of design of both monophasic and polyphasic dispersion dosage form for different routes of administration. Topics of pharmaceutical interest in the dosage form design include therapeutic consideration, physicochemical consideration of formulated drug, solubility and distribution phenomena, dissolution theories and factors influencing dissolution rates.

Topics of pharmaceutical design of polyphasic dosage forms include interfacial phenomena, concepts of colloids, and Rheology of dispersion system. The stages through which a drug molecule is put through in the process of development of a given formulation for a product are studied in this subject. The interrelationship between the various formulation excipients and their possible interaction with the drug will be understood by the student after studying this subject. Learning is facilitated through interactive lecture and practical sessions, self-directed learning (small group sessions, assignments, Problem Based Learning, Seminar and Course Examinations).

**PIAT 612: Instrumental Analytical Techniques****(2+2 = 4 Credits)**

The aim of the course is to develop the necessary skills involved in the analysis of pharmaceutical drug products. The student will be exposed to theories and concepts involved in the different advanced pharmaceutical analytical techniques. The study of the instrumentation and methods employed will enable the student to carry out the assay of the drug products. The other major aim of studying this subject is to enable the student understand the various quality control measures taken on the drug products manufactured. By applying the knowledge gained in this subject the students will be able to carry out the analysis as per pharmacopoeial guidelines on different raw materials and finished drug products as well. HPLC, GC, IR, Thermal Analysis etc. will be dealt in detail.

PCKD 613: Chemical Kinetics and Drug Stability**(2+2 = 4 Credits)**

Main goal of this course is to make the student understand the theoretical aspects of simple and complex reactions in homogenous and heterogeneous systems, environmental and pre-formulation factors that influence drug stability as well as elucidation of the mechanism of drug degradation. Principles will also cover the procedures for designing dosage form formulations with enhanced drug stability. Students will be able to predict shelf life of drug in solution, solid and heterogeneous dosage forms for different storage conditions. The concepts and theories involved in stability testing and development of a protocol for stability testing are also covered as per International Conference on Harmonization (ICH) guidelines. Learning is facilitated through interactive lecture and practical sessions, self-directed learning (small group sessions, assignments, Problem Based Learning, Seminar and Course Examinations).

PNDD 614: Novel Drug Delivery Systems**(2+0 = 2 Credits)**

Main goal of this course is to make the student understand the theoretical aspects of simple and complex reactions in homogenous and heterogeneous systems, environmental and pre-formulation factors that influence drug stability as well as elucidation of the mechanism of drug degradation. Principles will also cover the procedures for designing dosage form formulations with enhanced drug stability. Students will be able to predict shelf life of drug in solution, solid and heterogeneous dosage forms for different storage conditions. The concepts and theories involved in stability testing and development of a protocol for stability testing are also covered as per International Conference on Harmonization (ICH) guidelines. Learning is facilitated through interactive lecture and practical sessions, self-directed learning (small group sessions, assignments, Problem Based Learning, Seminar and Course Examinations).

**SEMESTER 2****PCPT 621: Clinical Pharmacokinetics and Therapeutic Drug Monitoring****(2+2 = 4 Credits)**

In this course the relationship between pharmacokinetics and pharmacodynamic will be discussed. The application of pharmacokinetics on drug disposition following one compartment, two compartment, non-compartment and non-linear pharmacokinetic models for different routes of administration will be emphasized on drug dose regimen, dose adjustment in hepatic and renal diseases and for drugs with narrow therapeutic windows. Thus students will be able to design the 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 also will enable the student to understand how various disease states alter the pharmacokinetic parameters and to be able to adjust plasma concentration within therapeutic range. In practice the therapeutic monitoring concept will be applied on analyzing pharmacokinetic cases of selected drugs with narrow therapeutic window. Learning is facilitated through interactive lecture and practical sessions, self-directed learning (small group sessions, Case based learning, assignments, problem based learning, seminar and course examinations).

PAPT 622: Advanced Pharmaceutical Technology**(3+2 = 5 Credits)**

This course comprises the design of pharmaceutical plants as well as the design & operation of clean rooms with special emphasis on quality assurance & good manufacturing practice guidelines. The course also covers theoretical background & practical demonstration of different manufacturing unit processes like: heat transfer, filtration, particle size reduction, particle size analysis, mechanisms of mixing, powder flow, granulation, drying, tableting & capsulation. In addition the course includes packaging materials used in pharmacy. The aims of the course are to develop the necessary professional skills in the student for carrying out various unit operations and processes involved in the manufacture of dosage forms. This knowledge helps the students to apply the technical skills in various production processes in pharmaceutical product manufacturing. Learning is facilitated through interactive lecture and practical sessions, self-directed learning (small group sessions, assignments, Problem Based Learning, Seminar and Course Examinations).

PQAV 623: Quality Assurance and Validation**(2+0 = 2 Credits)**

This course deals with the quality assurance in pharmaceutical manufacturing whereby quality attributes are built into the drug products before they get into the market. The course covers the basis of government regulatory authority in aspects of quality auditing, official inspection, procedures and documentation, quality control managements, pharmaceutical product quality control from raw material to production. In addition the course covers the validation of pharmaceutical processes, analytical procedures and aseptic processing during manufacturing. Learning is facilitated through interactive lecture sessions, self-directed learning (small group sessions, assignments, problem based learning, seminar and course examinations).

**PAPB 624: Advanced Pharmaceutical Biotechnology****(2+0 = 2 Credits)**

The objective of this course is to familiarize the students with the application of pharmaceutical biotechnology in the biomedical world. This course focusses on the pharmaceutical product development and formulation of biotechnology-derived drug products in the pharmaceutical sciences to enable the students understand the role of pharmaceutical sciences in the field of biotechnology. Biological products development process of different types of these products will be highlighted. The course also introduces the students to the buccal delivery systems for peptides and protein, monoclonal antibodies, vaccines and other immunological products. Learning is facilitated through interactive lecture sessions, self-directed learning (small group sessions, assignments, problem based learning, seminar and course examinations).

PABR 625: Advanced Biostatistics and Research Design**(2+0 = 2 Credits)**

The Course is designed to train the students to develop an understanding of the principles of research methodology and to identify a problem and carry out the work according to a well-designed framework. The course will help the students to methodically obtain the results of the research and then critically analyze them for a meaningful conclusion leading to their application for a betterment of quality services in the health science practice. Learning is facilitated through interactive lecture sessions, self-directed learning (small group sessions, assignments, problem based learning, seminar and course examinations).

SEMESTER 3 & 4**Dissertation & Research Seminar****(6+6 = 12 Credits)**

The dissertation is aimed to train a Masters student in research methods and techniques under the guidance of a recognized guide. Student will be trained in literature review, design of research study, data collection, critical analysis, comparison of results, drawing conclusions and making recommendations. The dissertation submitted will be evaluated by the specialist examiners appointed by the university. Seminars and progress reports given by the students will help in problem solving, team work and leadership qualities.

12.5 Policies and Procedures on Thesis**Introduction:**

RAK Medical and Health Sciences University (RAKMHSU) is committed to providing high quality education to all its students. One part of that commitment involves providing postgraduate pharmacy students with useful and relevant information in a form that is easily accessible to them. This guideline is an important part of this process. This guideline contains the rules and policies applicable to the graduate community of RAK College of Pharmacy. This guideline is reviewed and updated periodically. The first edition was published during 2013. In this second edition, amendments are done based on the faculty and CAA feedback.



12.5.1 Goals of Thesis

The goals of the Master's Thesis are to:

- 1) Provide advanced training in Pharmaceutical sciences based research work.
- 2) Offer an opportunity for candidates to advance their knowledge in specific areas of pharmaceutical sciences through research.
- 3) Prepare individuals for research and teaching positions needing a strong background in the pharmaceutical sciences.
- 4) Develop individuals with the research skills needed to carry out basic and applied studies in pharmaceutical sciences /pharmacy practice.
- 5) Prepare graduates to function as independent scholars, who are capable of contributing to the body of knowledge in their areas of specialization through original research.
- 6) Address the pharmaceutical and healthcare needs of U.A.E.

12.5.2 Significance of Research

The mission of RAK College of Pharmacy is to achieve the highest standard in academic research as well as in training and educating the future leaders who will contribute to the development of pharmaceutical and basic life sciences, governmental policies on medical and pharmaceutical affairs, and also to the society as pharmacists capable of highly advanced medical treatment.

Every candidate pursuing Master's program is required to carry out a selected research project under the guidance of a recognized postgraduate guide. The result of such a work shall be submitted in the form of a Thesis/Research. This is aimed to train a post graduate student in research methods and techniques. It includes identification of the problem, formulation of hypotheses, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Writing is to fulfill the requirements for a Master's degree in pharmacy is mandatory and is completed during the 4th semester of the master's program. An idea for a Thesis can be developed in a variety of ways. During the end of the first year of Master's program, students should identify a research project, a supervisor at the institution who will provide day to day direction of the research project and a mentor who will provide overall supervision of the project and monitor the research progress towards a written Thesis. Typically the research will be conducted at the student's place of higher learning. The research component of the program is a primary focus of the degree and research activity is expected as soon as a student starts the program. The student and his/her on-site supervisor must obtain written approval from the research committee prior to initiation of the research project.



The problem areas studied, scope, format and style should be given careful attention. Reviewing the research work that have been completed in other departments can also suggest ideas for inquiry. Conceptualizing a research idea is challenging but highly rewarding once it is accomplished. A well-developed research plan addressing a critical question in drug discovery will facilitate successful completion of the Thesis.

12.5.3 General Guidelines

12.5.3.1 Responsibilities of Master's Thesis Committee:

- 1) A Master's Program Research committee shall be constituted in which the Thesis Supervisor shall be a member. The following are the responsibilities of the master program research committee :
 - Be responsible for scheduling all committee meetings
 - The committee meetings are scheduled at three times mutually convenient for its members and students.
 - The committee members are in general chosen from the faculty members of the RAK College of Pharmacy.
 - The committee reviews the Thesis proposals submitted by the students of Master Program in Pharmacy, the approval is given for them to proceed with the research.
- 2) Once the approval is obtained from the /Research committee, the principal investigator/student has to submit the proposal to University Research & Ethics Committee (RAKMHSU REC).
- 3) If the research involves human subjects/community/hospital related work, the proposals in the prescribed formats should be submitted to MOHAP/ EHS REC. This process has to be done only after receiving the approval from RAKMHSU REC.
- 4) It is mandatory to obtain the GCP certification by all the investigators involved in research related to human subjects.

12.5.3.2 Responsibilities of the Student:

- Develop the research proposal to be submitted and present to Thesis/Research committee of the college.
- Submit all the materials for review to the committee members at least 10 working days before each committee meeting.
- Carryout Thesis work as specified in the proposal.
- Submit the Thesis as per the instructions given in University Guidelines.
- Successfully complete an oral examination of the Thesis work.
- Submit to the Dean of RAK College of Pharmacy four copies (University, Dean, Chairperson and Supervisor) of the corrected Thesis after oral examination.



- Committee members shall be the Dean, Chairperson, Supervisor and a nominee of Dean.

12.5.4 Thesis:

Every student pursuing MS Program is required to carry out a research project on a selected topic under the guidance of a recognized supervisor. The result of such a work shall be submitted in the form of a Thesis.

The Thesis is aimed to train a Master's student in research methods and techniques. It includes identifying the problem, formulating a hypothesis, reviewing the literature, getting acquainted with recent advances, designing a research study, collecting data, critical analysis, comparing results, and drawing conclusions.

12.5.5 Approval of Research Proposal

The research proposal needs to be approved by REC. The approximate duration for the approval of research proposal by RAKMHSU REC varies from 2-4 weeks and that of MOHAP / EHS REC varies from 8-10 weeks

12.5.6 Ethical Clearance

The student is responsible for designing and implementing the research in an ethical manner. The student must review the methodology of the study and develop explanatory materials and consent forms (if needed). Students must be cognizant of the fact that they have the responsibility for protecting the rights of the subjects of the research; these rights include informed consent, freedom from injury and harm, and confidentiality in the handling and reporting of data. It is mandatory for the students and their supervisors who are carrying out research studies involving human subjects, to complete the Good Clinical certification before the submission of any research proposals.

12.5.7 Entry into the Research Setting

The Thesis Supervisor must be apprised of the anticipated location for data collection. The supervisor can often assist students, when needed, in gaining entry to an appropriate setting for data collection. The Thesis Supervisor may be able to assist students by providing specific information about the administrative structure and patterns of authority within a particular agency.

The following general suggestions will be helpful to students who plan to use agency settings for the conduct of research.

- Communicate a brief overview of the projected research to the Associated Institution/Hospitals in a formal letter and indicate that they will be contacted to set up a time for a personal appointment.
- Prepare a statement and consent form that clarifies what is expected of research subjects during the course of the study.
- Determine the potential importance of the study for the agency as perceived by the person contacted.



- Make an appointment with the appropriate person in the agency to explain the research and the details of data collection.
- Obtain information and forms to be completed for the RAKMHSU REC within agencies where a formal review process exists or a letter granting permission to conduct the research in that clinical agency.

Laboratory based experiments/research to be conducted in the laboratories of RAKCOP/ Industries/collaborative agencies has to be planned after the discussions with supervisor.

12.5.8 Seminar/Progress Report:

During the third and fourth semesters, every candidate has to present two seminars/progress reports concerning their research project, which will carry 50 marks.

12.5.9 Thesis Format:

The Thesis shall be written under the following headings/chapters

- Structured Abstract
- Introduction
- Aims and objectives of the study
- Review of literature
- Material and methods
- Results
- Discussion
- Limitations
- Future directions
- Conclusion
- References
- Annexure(s)

The written text of the Thesis shall be about 100 pages, excluding references, tables, questionnaires, and other annexures. It should be neatly typed with double line spacing on one side of the bond paper (A4 size, 8.27" x 11.69") and bound properly. The Thesis shall be certified by the Supervisor and Co-supervisor, if any, Chairperson and Dean of the institution. The Thesis shall be submitted at least one month before the end of the 4th semester of MS.

12.5.10 Thesis Supervisor

A Thesis Supervisor shall be a full-time faculty of RAK College of Pharmacy and recognized by RAKMHSU as per the guidelines from CAA for the supervision of research thesis work. However, a Co-Supervisor can be opted wherever required. The Co-supervisor shall also be a Master's faculty / qualified professional from a related industry/hospital recognized by RAKMHSU.



The role of the supervisor is to advise on all aspects of the research project including

- Project area and relevant literature
- Feasibility of the project
- Time scale of the research
- Specification of the research questions
- Design and adequacy of methods
- Sources of data and access to fields of observation
- Analysis and interpretation of results
- Structure and style of reporting

12.5.11 Eligibility for a Recognized Thesis Supervisor

- Assistant Professor and above with Ph.D. in the respective area and a minimum of 5 years of teaching experience after Ph.D. or equivalent degree.
- Should have at least three research publications in indexed journal

12.5.12 Submission of Thesis

Four copies of Thesis duly certified by the Thesis Supervisor, Chairperson and the Dean, RAK College of Pharmacy, shall be submitted to the Dean, Examination, RAKMHSU, one month before the last working date for the 4th semester notified by the university.

12.5.13 Viva-Voce Examination

The viva-voce examination shall assess the depth of knowledge, logical reasoning, confidence, documentation, and oral communication skills. The viva-voce examination shall be held after the submission of the Thesis. If any candidate fails to submit the Thesis on or before the date prescribed, their viva-voce shall be conducted during the subsequent examination, which the Dean, Examination, shall schedule. There will be only one viva-voce exam per semester. The viva-voce exam shall be held within two months of submitting the Thesis.

12.5.14 Examiners

At least two examiners will be appointed who are expected to be specialists in the subject area; one of them will be an external examiner and the other will be an internal examiner. Normally, the RAK College of Pharmacy supervisor shall be the internal examiner.

12.5.15 External Examiner:

Assistant Professor and above with Ph.D. in the respective area and a minimum of 5 years of teaching experience after Ph.D. or equivalent.

**12.5.16 Distribution of Marks**

a	Research proposal preparation	25 marks
b	Research /Progress report	25 marks
c	Viva - voce	50 marks
d	Research Thesis	100 marks
	Total	200 marks

The Thesis and viva-voce evaluation shall be conducted by both the examiners appointed by the university.

12.5.17 Scheme of Evaluation of MS Thesis

The Research Thesis Evaluation Scheme thoroughly evaluates the thesis of M.S. (Clinical Pharmacy) candidates. It uses a distinct grading scale to assess various aspects, including the abstract, literature review, methodology, results, discussion, and presentation quality. In addition, it takes into account the research proposal and progress presentation scores to provide a comprehensive evaluation of the student's research abilities. The evaluation scheme culminates in calculating total marks out of 200, then converted to a final score out of 100, offering a comprehensive assessment of the student's overall performance in their research endeavors.

Raw marks will be converted into grades as per RAKMHSU guidelines.

12.5.18 Plagiarism for Master's Thesis

The Master's Thesis must consist exclusively of the student's original work, and must be unique to the student and Program while, the thesis' author assumes responsibility for its content. In cases where the work sites, builds on or uses research or data provided by others, the thesis content should acknowledge and reference this in accordance with instructions.

Inadequate referencing considered plagiarism will also include appropriation or imitation of the language, ideas, and thoughts of another author and representation of them as one's original work. This includes:

- a) Paraphrasing another's ideas or conclusions without acknowledgement;
- b) Lifting of entire paragraphs, chapters, etc. from another's work; and
- c) Submission as one's own work, any work prepared by another person or agency.

RAKCOP Master's Program

All the content (final proposal and final thesis) are scanned for similarity index using Turnitin software used by RAKCOP, RAKMHSU. Similarity index is based on percentage of matched text out of total number of words in the document. For complete details on Plagiarism, please refer to Section 10.7.



12.6 RAKCOP Advisory Board

The RAKCOP Advisory Board comprises 17 members, including President and Chief Academic Officer (CAO) as special invitees. The Advisory Board will meet once or twice a year to conduct its deliberations.

12.6.1 Responsibilities

1. Advise the college concerning its vision, mission, goals & objectives of pharmacy programs.
2. Oversee the college academic, industrial, hospital & community training, research & other outreach projects.
3. Assist in getting collaborative projects & arrangements with external agencies, especially hospitals, community pharmacies & pharmaceutical industries.
4. Advise on fundraising, research projects & institution of chairs in the college with the assistance of industries & other bodies.
5. To help the college collect feedback about the students' performance in the workplace, especially in hospitals, industries, communities & regulatory sites.
6. Identify new areas of research/projects with the help of members & others to make need-based relevant and effective projects.
7. Share graduate projects (completed) of the previous year & seek advice for improvement & relevance of projects.
8. Suggest to the college about the new & need-based, short-term programs & certificate courses to be offered in the future.
9. Advise the college about community engagement and inter-professional & scholarly activities

12.6.2 RAKCOP Advisory Board

Internal Members:		
1.	Prof.Ismail Matalka	President (Special invitee)
2.	Prof.Ali Hasan Shibli Hajeer	Vice President - Academic Affairs
3.	Dr.Mohamed El-Tanani	Vice President - Research & Postgraduate Studies and Dean - RAK COP (Chair)
4.	Dr.KVR NS Ramesh	Associate Dean (Member Secretary)
5.	Dr.Bhoomendra Bhongade	Professor & Chairperson- Pharmaceutical Chemistry, RAKCOP
6.	Dr.Sathvik B.Sridhar	Professor & Chairperson- Clinical Pharmacy & Pharmacology, RAKCOP
7.	Dr.Shahnaz Usman	Professor & Chairperson- Pharmaceutics, RAKCOP
External Members:		
8.	Dr.Martin Thomas Kurian	Associate Dean & Professor- Clinical Teaching & Coordination
9.	Dr.Mouza Salem Rashed	Head of Pharmacy Department, Saqr Hospital, Ras Al Khaimah
10.	Dr.Abdul Rouf	Assistant Director of Pharmacy Hamad Medical Corporation, Qatar
11.	Dr.Khalid Al Balushi	Dean, College of Pharmacy, National University, Oman
12.	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
13.	Dr.Syed Imran Ahmed	Senior Lecturer in Clinical Pharmacy, College of Science, University of Lincoln. Brayford Pool, Lincoln, Lincolnshire. LN6 7TS Tel: 01522886915
14.	Mr.Georges Ibrahim	Chief Quality Officer, Gulf Pharmaceutical Industries (Julphar)
15.	Mr.Anjan Das	Factory Head, Dabur Naturelle LLC, Ras Al Khaimah
16.	Dr.Abeer Alhammadi	RAK PHC Pharmacist Incharge , Ras Al Khaimah

13. RAK College of Nursing

Dean's Message

I am privileged and honored to welcome you at College of Nursing Ras Al Khaimah Medical and 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 of 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



13.1 RAKCON Vision & Mission

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.

13.2 Master of Science in Nursing (MSN) & Master of Science in Midwifery (MSM)

SECTION 1: Educational Program

13.2.1 Program Description

The Master of Science in Nursing Degree (MSN) program & Master of Science in Midwifery (MSM) Degree is for a minimum of two years of full-time study and four years for part-time learners. It has five different specialties i.e. Adult Health & Gerontology Nursing, Pediatric Nursing, Psychiatric Mental Health, Community Health Nursing.

The students will be experts in practice and management, provide leadership in professional nursing, and patient - centered health care delivery in the area of their specialty : Adult Health & Gerontology Nursing, Pediatric Nursing, Psychiatric Mental Health, Community Health Nursing and Midwifery. The program broadens the perspective of students by requiring them to take innovative interdisciplinary approaches to resolve health care problems.

Further to this, the program will provide learning opportunities for the development of knowledge, intellectual skills, and clinical competence necessary to fulfill the role of the specialty nurse, nurse administrator and nurse educator. It will also provide a foundation for doctoral study.

Specialties: Adult Health & Gerontology Nursing /Pediatric Nursing/ Psychiatric Mental Health/ Community Health

The clinical sequence in Adult &Gerontology Health/ Pediatric Health/ Psychiatric Mental Health/ Community Health Nursing and Midwifery has four functional areas such as Nurse practitioner, Nurse Administrator, Nurse Educator, and specialty Nurse. This curriculum will prepare graduate nurses for the practice of nursing, to function as leaders in the clinical nursing settings and as specialty nurse, in caring adults, child, psychiatric mental health client community and maternal & newborn health. The program of studies leading to the MSN, with the clinical focus in Adult &Gerontology Health / Child Health/

Psychiatric Mental Health/ Community Health Nursing requires a minimum of 43 credits and MSM 50 credits. Both the MSN & MSM students will complete thesis as the graduation requirement. The program learning outcomes are aligned with the National Qualifications Framework (QFE Level 9). This ensures that Master of Science in Nursing Degree (MSN) program and Master of Science in Midwifery degree outcomes satisfy the Level Descriptors for Knowledge, Skills and Competencies as articulated in the QF Emirates and is within the CAA standards.

Any Suggestions/complaints can also be sent by e-mail which will be forwarded to the Chief Librarian to address them. The Library reserves the right to modify these rules from time to time. The Library notice board will display the revised version of the rules.

13.2.2 The Goals and Program Outcomes

Goals:

The goal of the program are based on the National League of Nursing (NLN) core values of caring, integrity, diversity, and excellence and on the Educational Competencies Model (2010) NLN Educational.

It calls for graduates of nursing and Midwifery programs to be prepared to:

- a) Promote and enhance human flourishing for patients, families, communities, and themselves;
 - b) Show sound nursing judgment;
 - c) Continually develop their professional identity; and
 - d) Maintain a spirit of inquiry as they move into the world of nursing and midwifery practice and beyond.
- The two-year curriculum has been designed to achieve the following goals and program outcomes, based on the AACN 9 Essentials of Master's Education in Nursing/ Midwifery (2011)
1. Function as a leader and change agent in one's specialty area of practice to create systems that promote human flourishing.
 2. Make judgements in one's specialty area of practice that reflect a scholarly critique of current evidence from nursing and other disciplines.
 3. Identify gaps in knowledge and formulate research questions.
 4. Implement one's advanced practice role in ways that foster best practices.
 5. Promote the personal and professional growth of oneself and others
 6. Demonstrate leadership, promote positive change in people, systems and advance the profession.
 7. Maintain a spirit of inquiry and contribute to the science of nursing in one's specialty areas of practice
 8. Evaluate the impact on quality when evidence-based solutions to nursing problems are implemented.

**Program Outcomes:****Knowledge: (K)**

On successful completion of the MSN/MSM program, the graduates will be able to:

1. Integrate nursing and related sciences into the delivery of nursing/ midwifery practice and role development to diverse populations
2. Incorporate current and emerging trends and evidences in providing advanced nursing care to individuals, families, and communities, while accounting for patient values and clinical judgment;
3. Integrate organizational science and informatics to make changes in the health care environment to improve outcomes.
4. Analyze the impact of policy, organization, and financing of health care systems.
5. Advocate collaborative and interdisciplinary approaches to the design of comprehensive care to individuals/families, communities, and populations.
6. Participate in the design, implementation, and evaluation of health care systems to foster safe passage and excellence in health care organizations
7. Implement evidence-based care based on trend analysis and quantify the impact on quality and safety
8. Apply learning, and teaching principles to design, implement, and evaluate educational programs for individuals or groups in a variety of settings
9. Analyze current and emerging technologies to support safe practice environments, and to optimize patient safety, cost-effectiveness, and health outcomes.

Skill: (S)

On successful completion of the MSN/MSM program, the graduates will be able to:

1. Practice nursing/midwifery utilizing advanced knowledge and skills as evidenced by scientific thinking in designing nursing interventions
2. Apply theoretical models to guide advanced nursing practice to promote health and wellness in clients across the lifespan.
3. Design patient-centered and culturally responsive strategies in the delivery of clinical prevention and health promotion interventions and/or services to individuals, families, communities, and aggregates/clinical populations.
4. Apply leadership skills and decision making in the provision of culturally competent, high quality nursing care, healthcare team coordination, and the oversight and accountability for care delivery and outcomes using effective communication skills.
5. Incorporate ethical principles to guide decision-making in nursing/midwifery practice.
6. Apply practice guidelines to improve practice and the care environment.
7. Design innovative nursing/midwifery practices and translate evidence into practice

Competencies:

On successful completion of the MSN/MSM program, the graduates will be able to: Autonomy and Responsibility (AR):

1. Function independently in providing nursing care and interdependently with other health professionals in the coordination and delivery of health care to individuals, families and communities
2. Demonstrate independent-thought and action, professional autonomy, and effective communication in collegial and collaborative relationships with peers and with members of allied disciplines.
3. Function as an effective group leader or member based on an in-depth understanding of team dynamics and group processes.

Role in context: (RC):

1. Act as change agents to create an environment that promotes effective nursing practice and patient outcomes
2. Apply legal and ethical principles to implement advanced practice nursing roles
3. Assume a leadership role in creating a compassionate and caring environment to promote comfort and to prevent suffering
4. Use the research process to promote the development of the profession and to facilitate client wellbeing.
5. Use information and communication technologies, resources, and principles of learning to teach patients and others.

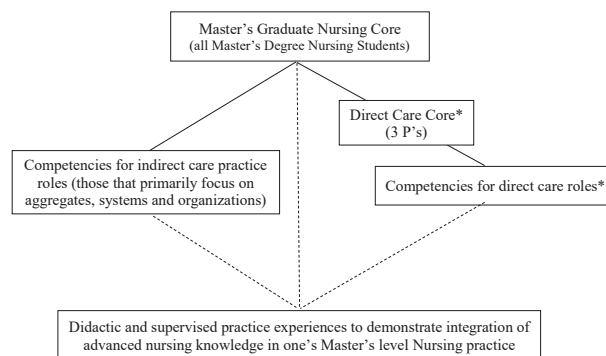
Self-development (SD):

1. Design strategies that promote lifelong learning of self and peers and that incorporate professional nursing standards and accountability for practice. E9
2. Advocate for the value and role of the professional nurse as member and leader of interprofessional healthcare teams.

The Master of Science graduate education builds upon the generalist foundation of baccalaureate education to prepare nurses/midwife for advanced practice roles. Graduate education provides the student with opportunities to develop expertise and specialized knowledge in the care of clients and populations.

The graduate program is organized using core, supporting, and specialty content. Graduate nursing education incorporates evidence-based practice that enables nurses/midwife to participate in health policy development, research, health promotion, and management, with emphasis on diverse and vulnerable populations. The advanced practice nursing roles include nurse specialists, nurse administrators, and nurse educators. We believe that the advanced practice nursing roles are integral to meeting the current and future health needs of the society.

The MSN/ MSM Programs are planned based on the model below:





13.2.3 Instructional Methods

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 Team Based Learning (TBL), Problem Based Learning (PBL), evidence-based learning and small group teaching shall be integrated according to the learning objectives.

13.2.3.1 Lectures

Speakers will focus on the content of their lectures around major concepts and introducing clinical relationships aimed at stimulating active student participation. The lectures are intended to be very interactive between students and faculty. In order to facilitate the occurrence of this type of dialogue, the students are advised to read the assigned material prior to attending a lecture to intelligently discuss issues or ask for clarification about a concept. Topics for the lecture will be notified much in advance for the information of the students. Faculty primarily present the content into a learning mode that requires integration of discussion in large group lectures, the textbook readings, laboratory experiences, clinical correlations and problem based learning.

13.2.3.2 Clinical Cases in Small Group Sessions

This strategy will also incorporate the use of small-group case-based sessions to apply knowledge, which the students have learned in the previous classes. The cases will correlate with the topic that was studied in the previous week. Students, working in small groups, and under the guidance of faculty facilitators, will discuss the information in the case. From this information, they will attempt to apply their knowledge for understanding the clinical problem. They will identify problems and develop a hypothesis related to the clinical problem. Occasionally, they may even identify learning issues they have to get information about in order to move forward in the case. These activities will further emphasize the relevance of basic knowledge on nursing practice and will prepare the students for the process of continuous nursing education as future nursing care professionals. There will be a panel discussion at the end of the week where students and faculty interact to wrap up the weekly cases with the entire class. A small group of students comprising of four to six members are involved in this assignment and presentation with their respective faculty members for assessment and discussion.

13.2.3.3 Problem Based Learning Sessions (PBL):

PBL sessions are intended to reinforce subject material related to the lecture periods and self-explore knowledge and basis of common diseases and nursing management. Carefully selected and designed problems will demand the acquisition of critical knowledge in the application of subject material to the nursing care. This will be done in two to three stages of 2-hour sessions each. PBL exercises are aimed at giving the student the problem-solving proficiency, self-directed learning strategies and team participation skills. Students will take the responsibility for self-learning by identifying learning needs, determining the resources and collaboration with other students while the teacher acts as a facilitator.

13.2.3.4 Seminars:

Seminar is particularly useful for graduate student who have already acquired considerable background information about the subject of seminar. It enables them to develop skills, wider reading and comprehension of scientific writing. The idea behind the seminar system is to familiarize students more extensively with the methodology of their chosen subject and also to allow them to interact with examples of the practical problems that always occur during research work. Contributes to desirable group processes among students. It is essentially a place where assigned readings are discussed, questions can be raised and debates can be conducted. It provides students opportunity to exchange ideas and to participate in methods scientific analysis and research of literature on given topic.

13.2.3.5 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.

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 Examination 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 Examinations through the respective College Deans. The Office of Examinations may return the evaluation report for the departmental clarification or reconsideration if any discrepancy or inconsistency appears.

13.2.4 Clinical Experience

The Graduate students undergo clinical training from the second semester of MSN/MSM program. They are posted in the hospital to obtain experience and learn the role of nurse administrator as a part of organizational and system leadership course. In the semester 3 and 4 of year two year, relevant exposure to their clinical specialties are provided.

13.2.5 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, MSM students are posted in Abdullah Bin Omran Hospital Ras Al Khaimah and Kanad hospital in Al Ain. Students are posted at Dubai Al Amal Hospital for Psychiatric Mental Health Nursing clinical training.

13.3 Study plan for Master of Science in Nursing (MSN) 2 Years, 4 semseters. Total credit Hours =43

FIRST YEAR											
SEMESTER 1	Course No.	Title	Theory	Practical	Clinical	SEMESTER 2	Course No.	Title	Theory	Practical	Clinical
	NNI 9103	Nursing Informatics	2	0.5	0		NOSL 9203	Organizational& System Leadership	2	0	1
	NARM 9103	Advanced Research Methods	3	0	0		NTFN 9203	Theoretical Foundations in Advance Nursing /Midwifery Practice	3	0	0
	NSHP 9103	Statistics for Health Professionals	2	0.5	0		NLEI 9202	Legal & Ethical Issues in Advanced Nursing / Midwifery Practice	2	0	0
	NISW 9101	Introduction to Scholarly Writing	1	0	0		NIAG 9202	Introduction to Adult Health & Gerontology Nursing	2	0	0
							NICH 9202	Introduction to Community Health Nursing			
							NIPN 9202	Introduction to Pediatric Nursing			
Semester total		8	1	0	Semester total		9	0	1		
Total Credits		9			Total Credits		10				



SECOND YEAR											
SEMESTER 3	Course No.	Title	Credits			SEMESTER 4	Course No.	Title	Credits		
			Theory	Practical	Clinical				Theory	Practical	Clinical
	NAGH 9317	<u>Specialties:</u> Adult Health & Gerontology Nursing 1 (including Advanced Pathophysiology & Advanced Pharmacology)	6	1	0		NAGH 9426	<u>Specialties:</u> Adult Health & Gerontology Nursing 2 (including Advanced Pathophysiology & Advanced Pharmacology)	5	1	0
	NCH 9317	Community Health Nursing 1 (including Advanced Pathophysiology & Advanced Pharmacology)					NCH 9426	Community Health Nursing 2 (including Advanced Pathophysiology & Advanced Pharmacology)			
	NPN 9317	Pediatric Nursing 1 (including Advanced Pathophysiology & Advanced Pharmacology)					NPN 9426	Pediatric Nursing 2 (including Advanced Pathophysiology & Advanced Pharmacology)			
	NPMH 9317	Psychiatric Mental Health Nursing 1 (including Advanced Pathophysiology & Advanced Pharmacology)					NPMH 9426	Psychiatric Mental Health Nursing 2 (including Advanced Pathophysiology & Advanced Pharmacology)			
	NAGH 9314	<u>Specialties:</u> Adult Health & Gerontology Nursing 1	0	0	4		NAGH 9424	<u>Specialties:</u> Adult Health & Gerontology Nursing2	0	0	4
	NCH 9314	Community Health Nursing 1					NCH 9424	Community Health Nursing 2			
	NPN 9314	Pediatric Nursing 1					NPN 9424	Pediatric Nursing 2			
	NPMH 9314	Psychiatric Mental Health Nursing 1					NPMH 9424	Psychiatric Mental Health Nursing 2			
	NRST 9313	Research Scholarly Thesis-1	0	1	0		NRST 9313	Research Scholarly Thesis-2	0	2	0
Semester total			6	2	4	Semester total			5	3	4
Total Credits			12			Total Credits			12		



13.4 Study Plan for Master of Science in Midwifery (MSM) 2 Years, 4 Semesters. Total Credit Hours = 45

SEMESTER 1					SEMESTER 2				
Course No.	Title	Theory	Practical	Clinical	Course No.	Title	Theory	Practical	Clinical
NNI 9103	Nursing Informatics	2	0.5	0	NOSL 9203	Organizational and System Leadership	2	0	1
NARM 9103	Advanced Research Methods	3	0	0	NTFN 9203	Theoretical Foundations in Advance Nursing/ Midwifery Practrice	3	0	0
NSHP 9103	Statistics for Health Professionals	2	0.5	0	NLEI 9202	Legal and Ethical Issues in Advanced Nursing/ Midwifery Practice	2	0	0
NISW 9101	Introduction to Scholarly Writing	1	0	0	MM 9202	Introduction to Midwifery	2	0	0
Semester Total		8	1	0	Semester Total		9	0	1
Total Credits		9			Total Credits		10		

SECOND YEAR

SEMESTER 3					SEMESTER 4				
Course No.	Title	Theory	Practical	Clinical	Course No.	Title	Theory	Practical	Clinical
MM 9317	Midwifery -1 (including Advanced Pathophysiology and Advanced Pharmacology)	5	2	0	MM 9426	Midwifery-2 (including Advanced Pathophysiology and Advanced Pharmacology)	5	1	0
MM 9316	Midwifery-1 (including Advanced Pathophysiology and Advanced Pharmacology) (Practicum)	0	0	6	MM 9424	Midwifery-2 (including Advanced Pathophysiology and Advanced Pharmacology) (Practicum)	0	0	4
NRST 9313	Research Scholarly Thesis-1	0	1	0	NRST 9313	Research Scholarly Thesis-2	0	2	0
Semester Total		5	3	6	Semester Total		5	3	4
Total Credits		14			Total Credits		12		



13.5 Summary of the Courses offered in MSN Program

SEMESTER - 1

NNI 9103 Nursing Informatics

(2-0.5-0=2.5)**Prerequisites: None****Co-requisite: None**

This course provides an opportunity to integrate knowledge and skills of computer science, nursing science, information science, and cognitive science in clinical nursing, education, administration, and research to improve healthcare outcomes.

NARM 9103 Advanced Research Methods

(3-0-0=3)**Prerequisites: None****Co-requisite: None**

This course is an in-depth study of nursing research methodologies. The focus will be on the inter-relationships among theory, advanced nursing practice, and research. Emphasis placed on developing skills used in critical analysis of nursing research for determining applicability of the research to nursing practice.

NSHP 9103 Statistics for Health Professionals

(2-0.5-0=2.5)**Prerequisites: None****Co-requisite: None**

This course provides students with the statistical knowledge and skills to use effectively in research and its interpretation of the findings. The content focuses on appropriate statistical methods, correlating to the study designs utilized in nursing research and practice. It also enables the student to develop skills in computing and interpreting parametric and nonparametric statistical tests.

NISW 9101 Introduction to Scholarly Writing

(1-0-0=1)**Prerequisites: None****Co-requisite: None**

This course intend to introduce the students to scholarly writing skills involving application of principles of effective written communication and critical reading with emphasis on origination, drafting, revising, editing, self-assessment and effective critiquing.

**SEMESTER - 2****NOSL 9203 Organizational and System Leadership****(2-0-1=3)****Prerequisites: Semester I Courses****Co-requisite: None**

This course prepares the Masters students to the leadership practice role in the complexities of the health care delivery system that challenge the nursing profession to adapt to its demands. To be successful in that endeavor, a nurse must acquire a broad knowledge in nursing leadership and management. A competent nurse leader has to tackle issues in nursing service along with maximizing interdisciplinary team functions and generate productive results. This course prepares the graduates to understand concepts related to organization, interprofessional collaboration, human resources development, strategic planning and managing, information management, quality management, performance appraisal, magnetism, staffing, scheduling, and budgeting principles.

NTFN 9203 Theoretical Foundations in Advance Nursing / Midwifery Practice**(3-0-0=3)****Prerequisites: Semester I Courses****Co-requisite: None**

The course utilizes the critical reasoning process to examine the element of nursing knowledge and knowledge borrowed from other sciences and humanity. Emphasis is on concept analysis and synthesis of theoretical knowledge. Identification of the links between theory and empirical indicators. The clinical relevance of mid-range and practice theories is to design the nursing interventions for individuals, families, groups, and communities.

NLEI 9202 Legal & Ethical Issues in Nursing/ Midwifery Practice**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

The student will analyze theoretical and pragmatic legal-ethical issues regarding professional nursing and health care. Emphasis is on an understanding of the nurse as a professional who embraces lifelong learning, incorporates professionalism into practice and internalizes the values of the profession.

NIAG 9202 Introduction to Adult Health & Gerontology Nursing**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

This is an introductory course, designed to prepare the student in Adult-Gerontology Speciality to provide patient-centered quality care through application of evidence in practice, in order to improve health outcomes of patients. Opportunities will be provided within the course to develop expertise in conducting comprehensive and holistic assessments using innovative evidence-based tools and to make clinical judgement regarding acute and chronic health situations in adult and geriatric populations.

NICH 9202 Introduction to Community Health Nursing**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

This is a precursor course designed for baccalaureate nurses to develop an understanding about comprehensive management of community health and community health nursing. It will enable them to provide promotive and preventive health care for individuals, families and community, emphasizing the impact of environment on health.

NIPN 9202 Introduction to Pediatric Nursing**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

This is an introductory course, designed to prepare the students to provide family centred care through application of

NIPN 9202 Introduction to Pediatric Nursing**2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

advanced concepts and theories in view of optimizing health outcomes among paediatric population. It aims at actualizing critical thinking and analytical ability among students with the use of innovative evidence-based tools and techniques.

**NIPM 9202 Introduction to Psychiatric Mental Health Nursing****(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

This course is designed to focus on implementing principles of psychiatric nursing. Knowledge from nursing science and related fields introduced to equip the students with the basic knowledge and skills in the psychiatric mental health nursing.

SEMESTER - 2**NAGH 9317 Adult Health & Gerontology Nursing - 1****(Including Advanced Pathophysiology & Advanced Pharmacology)****(6-1-0=7)****Prerequisites: Semester I & II Courses****Co-requisite: None**

This course is designed to provide students with the opportunity to integrate knowledge of advanced pathophysiology and pharmacology with understanding of acute and chronic illnesses in the adult and elderly populations.

NCH 9317 Community Health Nursing 1**(Including Advanced Pathophysiology & Advanced Pharmacology)****(6-1-0=7)****Prerequisites: Semester I & II Courses****Co-requisite: None**

This course provides opportunity to the graduates in developing competencies in knowledge, skills, competencies and critical judgments for community health nursing practice along with incorporating the knowledge of advanced pathophysiology and pharmacology with emphasis on health promotion, disease prevention and restoration of health across the lifespan of individuals, families, groups and communities.

**NPN 9317 Pediatric Nursing - 1****(Including Advanced Pathophysiology & Advanced Pharmacology)****(6-1-0=7)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

This course is designed to extend the knowledge and skills of graduates in providing holistic care to the children within the context of their family, community and environmental settings. It is intended to provide advanced educational experience to develop critical thinking and problem solving abilities, which will enable them to actualize safe and effective care for the children with normal and altered level of health care needs.

NPMH 9317 Psychiatric - Mental Health Nursing-1**(Including Advanced Pathophysiology & Advanced Pharmacology)****(6-1-0=7)****Prerequisites:** Semester I Courses**Co-requisite:** None

The student will analyze theoretical and pragmatic legal-ethical issues regarding professional nursing and health care. Emphasis is on an understanding of the nurse as a professional who embraces lifelong learning, incorporates professionalism into practice and internalizes the values of the profession.

NIAG 9202 Introduction to Adult Health & Gerontology Nursing**(2-0-0=2)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

This course is designed to focus on implementing major concepts and principles of psychiatric nursing practice. Provide opportunity to integrate nursing sciences with related different fields to assess, diagnose, and treat clients with psychiatric mental health problems. Wellness and the promotion of mental health, care for clients with acute/ chronic mental illnesses, and the prevention of further psychiatric morbidity or disability are emphasized. Evidence-Based Nursing research findings are applied to emphasize the link between psychotherapeutic process and outcomes.

**NAGH 9314 Adult Health & Gerontology Nursing 1****(0-0-4=4)**

(Including Advanced Pathophysiology & Advanced Pharmacology) Clinical Practicum Prerequisites: Semester I & II Courses

Co-requisite: None

This course prepares the students to conduct focused and comprehensive health assessments and management of adults and geriatric clients. The process of diagnostic reasoning is emphasized as the primary means of collecting and analyzing data obtained from the client history, physical examination, and diagnostic procedures pertaining to specific systems. Opportunity is provided to integrate and apply didactic content of Adult Health & gerontology Nursing 1 and clinical skills in the care of adult and geriatric patients with acute and chronic illnesses.

NCH 9314 Community Health Nursing-1 (Including Advanced**(0-0-4=4)**

Pathophysiology & Advanced Pharmacology) Clinical Practicum Prerequisites: Semester I & II Courses

Co-requisite: None

This course aims at providing clinical knowledge, skills and competencies to the students in rendering comprehensives care to individuals, families, groups and communities at primary health centers, schools, homes and community involving the principles of health promotion, disease prevention and health restoration.

NPN 9314 Pediatric Nursing-1 (Including Advanced**Pathophysiology & Advanced Pharmacology) Clinical Practicum****(0-0-4=4)**

Prerequisites: Semester I & II Courses

Co-requisite: None

Prerequisites: Semester I & II Courses

Co-requisite: None

This course prepares the students to develop clinical expertise in performing comprehensive health assessment and apply theoretical knowledge in management of children with complex health care needs. Opportunities will be provided to develop effective practice behavior reflecting quality care for children and their families.

**NPMH 9314 Psychiatric Mental Health Nursing 1 (Including Advanced****Psychopathology & Advanced Psychopharmacology) Clinical Practicum****(0-0-4=4)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

This course prepares the graduates to conduct focused and comprehensive mental health assessments and management of clients with psychiatric mental health problems. Critical thinking and decision making are emphasized as the main resources of collecting and analyzing data obtained from the client, family, and conduction of mental status examination. Opportunity is provided to integrate and apply knowledge and skills content of Introduction to Psychiatric Mental Health Nursing, and Psychiatric Mental Health Nursing 1 in the care of clients with psychiatric mental health problems and their families.

NRST 9313 Research Scholarly Thesis-1**(0-1-0=1)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

Thesis is a faculty-guided/supervised scholarly experience that provides the student with an opportunity to identify a nursing research problem within the clinical, to pursue its study, and to contribute to the body of nursing knowledge and practice. The process provides experience in research design, implementation and evaluation in a setting with faculty guidance.

SEMESTER - 4**NAGH 9426: Adult Health & Gerontology Nursing-2****(Including Advanced pathophysiology & Advanced Pharmacology)****(5-1-0=6)****Prerequisites:** Semester III Courses**Co-requisite:** None

This course is the third in the series of adult health and gerontology nursing. It is designed to broaden students' knowledge and skills in care of adult and geriatric populations with specific acute and chronic illnesses. An evidence-based approach to nursing and medical management including pathophysiologic, pharmacologic and non-pharmacologic modalities are emphasized. Specifically, genito-urinary, sensory and neurological system disorders encountered by adults and geriatric patients including emergency care are also covered.

NCH 9426 Community health Nursing-2 (Including Advanced Pathophysiology & Advanced Pharmacology)**(5-1-0=6)****Prerequisites:** Semester III Courses**Co-requisite:** None

The course is designed to equip the graduates to apply theories of community health nursing in practice, with emphasis on health promotion, disease prevention and health restoration strategies involving advanced knowledge in pathophysiology and pharmacology while rendering health care to the community.

NPN 9426 Pediatric Nursing-2**(Including Advanced pathophysiology & Advanced Pharmacology)****(5-1-0=6)****Prerequisites:** Semester III Courses**Co-requisite:** None

This course is designed to prepare graduates to develop expertise and in-depth knowledge in management of children with acute and chronic illnesses within culturally diverse society. It emphasizes development of competency in providing comprehensive care to the children which is based on scientific knowledge related to advanced concepts of pediatric nursing, pathophysiology, health assessment and pharmacology. Opportunities will be created to utilize critical thinking in nursing process as a framework for providing holistic care to children and their families experiencing life-threatening illnesses.

NPMH 9426 Psychiatric - Mental Health Nursing-2 (Including**Advanced Psychopathology & Advanced Psychopharmacology)****(5-1-0=6)****Prerequisites:** Semester III Courses**Co-requisite:** None

This course continues with the focuses on implementing major concepts and principles of psychiatric nursing practice. Emphasizing the roles and functions of the psychiatric mental health nurse in decision-making based on analyzing of data collected to meet the needs of the client(s) who is experiencing alterations in the psychosocial functioning including those with special population needs. Content includes management strategies and application of different treatment modalities through integrating nursing science with other health care professionals



This course explores altered homeostasis for mothers and neonates and includes an element of collaborative obstetric and neonatal emergency management with an emphasis on clinical skills provision for women with complex care needs. They will utilize a range of resources including research, policies and/guidelines in order to undertake appropriate risk assessments and engage strategies which promote safe standards of obstetrical emergencies.

NAGH 9424 Adult Health & Gerontology Nursing-2 (Including Advanced**Pathophysiology & Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

This practical component of Adult health Nursing and gerontology 2 designed to provide opportunity broaden students' knowledge and skills in care of adult and geriatric populations with specific acute and chronic illnesses. Specific procedures related to care of adult and geriatric patients with genito-urinary, sensory and neurological system disorders are discussed.

NCH 9424 Community Health Nursing-2 (Including Advanced**Pathophysiology & Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

This course intends to equip the students with the efficient community health nursing skills for practices, based on the strong scientific knowledge and competencies directed towards management of health aspects of individuals, families, groups and community involving collaborative approaches.

NPN 9424 Pediatric Nursing 2 (Including Advanced Pathophysiology &**Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

Course prepares the students to develop critical thinking and analytical ability in interpretation of the data obtain from health history ,diagnostic procedures, assessment based on knowledge of acute and chronic diseases in providing comprehensive care to children with diverse health care needs. Students also will be able to appreciate multifaceted role of a pediatric nurse in practice.

**NPMH 9426 Psychiatric - Mental Health Nursing-2 (Including****Advanced Psychopathology & Advanced Psychopharmacology)****(5-1-0=6)****Prerequisites: Semester III Courses****Co-requisite: None**

This course continues with the focuses on implementing major concepts and principles of psychiatric nursing practice. Emphasizing the roles and functions of the psychiatric mental health nurse in decision-making based on analyzing of data collected to meet the needs of the client(s) who is experiencing alterations in the psychosocial functioning including those with special population needs. Content includes management strategies and application of different treatment modalities through integrating nursing science with other health care professionals This course explores altered homeostasis for mothers and neonates and includes an element of collaborative obstetric and neonatal emergency management with an emphasis on clinical skills provision for women with complex care needs. They will utilize a range of resources including research, policies and/guidelines in order to undertake appropriate risk assessments and engage strategies which promote safe standards of obstetrical emergencies.

NAGH 9424 Adult Health & Gerontology Nursing-2 (Including Advanced**Pathophysiology & Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

This practical component of Adult health Nursing and gerontology 2 designed to provide opportunity broaden students' knowledge and skills in care of adult and geriatric populations with specific acute and chronic illnesses. Specific procedures related to care of adult and geriatric patients with genito-urinary, sensory and neurological system disorders are discussed.

NCH 9424 Community Health Nursing-2 (Including Advanced**Pathophysiology & Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

This course intends to equip the students with the efficient community health nursing skills for practices, ased on the strong scientific knowledge and competencies directed towards management of health aspects of individuals, families, groups and community involving collaborative approaches.

**NPN 9424 Pediatric Nursing 2 (Including Advanced Pathophysiology &****Advanced Pharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses**

Course prepares the students to develop critical thinking and analytical ability in interpretation of the data obtain from health history ,diagnostic procedures, assessment based on knowledge of acute and chronic diseases in providing comprehensive care to children with diverse health care needs. Students also will be able to appreciate multifaceted role of a pediatric nurse in practice.

NPMH 9424 Psychiatric Mental Health Nursing 2 (Including Advanced**Psychopathology & Advanced Psychopharmacology) Clinical Practicum****(0-0-4 =4)****Prerequisites: Semester III Courses****Co-requisite: None**

This course is a continuation of the Practicum in Psychiatric Mental Health Nursing 1. It will prepare the graduates to conduct focused and comprehensive mental health assessments and management of clients with psychiatric mental health problems. Critical thinking and decision making are emphasized as the main resources of collecting and analyzing data obtained from the client, family, and mental status examination. Opportunity is provided to integrate and apply knowledge and skills content of Introduction to Psychiatric ental Health Nursing, Psychiatric Mental Health Nursing 1 & 2 in the care of clients with psychiatric mental health problems and their families.

NRST 9313 Research Scholarly Thesis-2**(0-2-0=2)****Prerequisites: Semester III Courses****Co-requisite: None**

Under the guidance of the thesis supervisor, the students will develop a methodologically sound study, in the form of a Master of Nursing thesis, which they will defend at an oral examination. Throughout the thesis process, students will have the opportunity to continue to develop and incorporate their learning of advanced nursing theory, research, leadership and practice into their scholarly work.

13.6 Summary of the Courses offered in MSM Program SEMESTER - 1**NNI 9103 Nursing Informatics****(2-0.5-0=2.5)****Prerequisites: None****Co-requisite: None**

This course provides an opportunity to integrate knowledge and skills of computer science, nursing science, information science, and cognitive science in clinical nursing, education, administration, and research to improve healthcare outcomes.

**NARM 9103 Advanced Research Methods****(3-0-0=3)****Prerequisites: None****Co-requisite: None**

This course is an in-depth study of nursing research methodologies. The focus will be on the inter-relationships among theory, advanced nursing practice, and research. Emphasis placed on developing skills used in critical analysis of nursing research for determining applicability of the research to nursing practice.

NSHP 9103 Statistics for Health Professionals**(2-0.5-0=2.5)****Prerequisites: None****Co-requisite: None**

This course provides students with the statistical knowledge and skills to use effectively in research and its interpretation of the findings. The content focuses on appropriate statistical methods, correlating to the study designs utilized in nursing research and practice. It also enables the student to develop skills in computing and interpreting parametric and nonparametric statistical tests.

NISW 9101 Introduction to Scholarly Writing**(1-0-0=1)****Prerequisites: Semester III Courses****Co-requisite: None**

This course intend to introduce the students to scholarly writing skills involving application of principles of effective written communication and critical reading with emphasis on origination, drafting, revising, editing, self-assessment and effective critiquing.

SEMESTER - 2**NOSL 9203 Organizational and System Leadership****(2-0-1=3)****Prerequisites: Semester I Courses****Co-requisite: None**

This course prepares the Masters students to the leadership practice role in the complexities of the health care delivery system that challenge the nursing profession to adapt to its demands. To be successful in that endeavor, a nurse must acquire a broad knowledge in nursing leadership and management. A competent nurse leader has to tackle issues in nursing service along with maximizing interdisciplinary team functions and generate productive results. This course prepares the graduates to understand concepts related to organization, interprofessional collaboration, human resources development, strategic planning and managing, information management, quality management, performance appraisal, magnetism, staffing, scheduling, and budgeting principles.

**NTFN 9203 Theoretical Foundations in Advance Nursing/Midwifery Practice****(3-0-0=3)****Prerequisites: Semester I Courses****Co-requisite: None**

The course utilizes the critical reasoning process to examine the element of nursing knowledge and knowledge borrowed from other sciences and humanity. Emphasis is on concept analysis and synthesis of theoretical knowledge. Identification of the links between theory and empirical indicators. The clinical relevance of mid-range and practice theories is to design the nursing interventions for individuals, families, groups, and communities.

NLEI 9202 Legal & Ethical Issues in Nursing/Midwifery Practice**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

The student will analyze theoretical and pragmatic legal-ethical issues regarding professional nursing and health care. Emphasis is on an understanding of the nurse as a professional who embraces lifelong learning, incorporates professionalism into practice and internalizes the values of the profession.

MM 9202 Introduction to Midwifery**(2-0-0=2)****Prerequisites: Semester I Courses****Co-requisite: None**

This course is designed to develop clinical, communication and critical thinking skills needed to provide high-quality midwifery care for women and families from a range of diverse backgrounds. It also enables students to coordinate services using evidence based techniques and theories with specific focus on contemporary maternity care, legal and ethical issues and health promotion.

SEMESTER - 3**MM 9317 Midwifery - 1 (Including Advanced Pathophysiology & Advanced Pharmacology)****(5-2-0=7)****Prerequisites: Semester I & II Courses****Co-requisite: None**

This This course is designed to develop in-depth understanding of normal reproductive physiology and care during pregnancy and childbirth, building confidence in supporting women and their families in all health settings. It also promote knowledge and Skills of pre conception, pregnancy and birth process as a life changing event and its effects on all family members.

MM 9316 Midwifery 1 (Including Advanced Pathophysiology &**Advanced Pharmacology) Clinical Practicum****(0-0-6=6)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

This course is designed to develop in-depth understanding of normal reproductive physiology and care during pregnancy and childbirth. It also promote students' skills and competencies in the clinical management of pre conception, pregnancy and birth process and the newborn using evidence-based techniques, with specific focus on ethical issues and health promotion in all health care settings .This course deals with the different drugs used in conditions affecting pregnancy, labor and delivery and responsibilities of the midwife in drug administration.

NRST 9313 Research Scholarly Thesis-1**(0-1-0=1)****Prerequisites:** Semester I & II Courses**Co-requisite:** None

Thesis is a faculty-guided/supervised scholarly experience that provides the student with an opportunity to identify a nursing research problem within the clinical, to pursue its study, and to contribute to the body of nursing knowledge and practice. The process provides experience in research design, implementation and evaluation in a setting with faculty guidance.

SEMESTER - 4**MM 9426 Midwifery - 2 (Including Advanced pathophysiology & Advanced Pharmacology) (5-1-0=6)****Prerequisites:** Semester III Courses**Co-requisite:** None

This course explores altered homeostasis for mothers and neonates and includes an element of collaborative obstetric and neonatal emergency management with an emphasis on clinical skills provision for women with complex care needs. They will utilize a range of resources including research, policies and/guidelines in order to undertake appropriate risk assessments and engage strategies which promote safe standards of obstetrical emergencies.

MM 9424 Midwifery 2 (Including Advanced Pathophysiology & Advanced Pharmacology) Clinical Practicum**(0-0-4=4)****Prerequisites:** Semester III Courses**Co-requisite:** None

This course is designed to develop the students' skills and competencies in identifying and clinical management of obstetrical emergencies in pregnancies, labor and delivery, including newborn, basic contraception and the elements of reproductive Health. This course deals with drugs used in conditions affecting high risk pregnancy, labor and delivery and responsibilities of the midwife in drug administration.

NRST 9313 Research Scholarly Thesis-2**(0-2-0=2)****Prerequisites:** Semester III Courses**Co-requisite:** None

Under the guidance of the thesis supervisor, the students will develop a methodologically sound study, in the form of a Master of Nursing thesis, which they will defend at an oral examination. Throughout the thesis process, students will have the opportunity to continue to develop and incorporate their learning of advanced nursing theory, research, leadership and practice into their scholarly work.

13.7 Advisory Board**Responsibilities of Local Advisory Committee:**

The College Advisory Committee is established by the Dean of the respective college, on the recommendation of Executive council and in consultation with the Chief Academic Officer and the President. It consists of eminent academicians, industry experts, healthcare and hospital professionals and policy makers from relevant disciplines. It advises the Dean on strategic planning, quality management and other critical areas pertaining to the growth and development of the College.

Purpose: The purpose of Local Advisory Committee is to provide strategic advice to the Dean of the college on the full range of activities undertaken to achieve the goals of their Institution.

Appointment: The Local Advisory Committee members are recommended by the Dean of the college on the advice of the Executive Council in consultation with The Chief Academic Officer (CAO). The Advisory Committee comes into effect after the approval of the President of RAKMHSU. Members shall be invited to serve initial terms of up to three years and may be reappointed for a second term of three years for a maximum of six consecutive years of service.

Expectations of an Advisory Committee:-

- 1) Act as a key link between the College and other internal policy makers, Academicians, Researchers, Healthcare providers, Government and Non-Governmental Agencies, etc.
- 2) Provides advice to the College in the development and implementation of the Strategic Plan, annual activity plans and strategic initiative budget. The Advisory Committee's focus is on broad research, policy and program issues and not the detailed management and operations of the college.
- 3) Provides advice to guide regular performance measurement and evaluation activities of the constituent College in meeting the objectives outlined in the Institutional strategic plan and addressing relevant international review panel recommendations;
- 4) Works collaboratively with the Dean, CAO and President -RAKMHSU, to facilitate the College to achieve excellence and maintain international quality.

Expectations as an Honorary Member of Advisory Committee:-

1. Attend Committee meetings on a regular basis and prepare in advance of meeting;
2. Contribute to the Committee's perspective and wisdom by sharing knowledge and experiences.
3. Evaluate the data from the Institutional Research and suggest areas and methods of improvement
4. Give direction in the strategic planning of the College
5. Identify threats and put in place alleviating solutions
6. Treat Committee matters confidentially.
7. Recommend qualified individuals to assist the University (peer review, speakers, etc.)
8. Serves as a Brand Ambassador to RAKMHSU.
9. If the committee member does not attend two consecutive meetings, they will be requested to stepdown from the local advisory committee.

Conflict of Interest:- Declares conflict of interest as required at the start of each advisory Committee meeting.

Time Requirement and Meeting Procedures:-

1. Meetings will be held four times annually at the call of the Chair, following consultation with the Advisory Committee Members
2. Meetings are chaired by the Chair of the Advisory Committee, and supported by the other members of the Committee. Other guests will be present, as needed and appropriate

**Revised List of Local Advisory Committee members**

S.No.	Name	Designation	Place of Work
1.	Dr. Ibrahim Ali Faouri	Dean & Chairperson	RAK College of Nursing
2.	Ms. Fatema Al Musaferi	Director of Nursing	Obaidulla Hospital
3.	Ms. Mousa Saeed Mohamed Al Shehhi	Director of Nursing	Saqr Hospital
4.	Ms. Badreyya Ibrahim Alshehhi	Director of Nursing	Abdulla Bin Omran Hospital
5.	Ms. Hessa Abdullah,	Director of Nursing	Sham Hospital
6.	Ms. Asma Al Mazrouei,	Director of Nursing, Primary Health Care	PHC, RAK Medical District
7.	Dr.Eunok Kwon	Director of Nursing Program	Sheikh Khalifa specialty Hospital,RAK
8.	Ms. Sue Aiken	Director of Nursing	RAK Hospital
9.	Ms. Maryam Ebrahim Albashkardi	Clinical Resource Nurse (CRN)	Abdulla Bin Omran Hospital
10.	Mr. Moayad Wishah	Clinical Resource Nurse (CRN)	Saqr Hospital
11.	Ms. Susamma Thomas	Assistant Director Nursing & Infection Control Nurse	RAK Hospital
12.	Dr. Shukri Adams	Asst. Dean, Clinical Education & Assoc. Professor	RAK College of Nursing
13.	Dr. Priyalatha Muthu	Assoc. Professor & Program Director for MSN Program	RAK College of Nursing
14.	Dr.Manju Nair	Asst. Professor	RAK College of Nursing
15.	Dr.Tiffany Yu	Director of the Scholarship student program	Al Qasimi Research & Scholarship Foundation, RAK

13.8 Policies and Procedures on Theses Introduction:

A commitment to scientific inquiry on the part of nurses is essential, if nursing is to fulfill its professional responsibility for improving the level of health and the quality of life within society. To fulfill this commitment, greater numbers of nurses must be prepared with research skills. Writing a thesis is an important step toward becoming more knowledgeable about the research process and more competent as a clinician.

13.8.1 Goals of a Thesis

The goals of the master's thesis are to:

1. Promote conceptualization of nursing practice in terms of relevant conceptual/theoretical frameworks.
2. Provide an opportunity to use selected methods in scientific inquiry.
3. Increase the confidence of professional nurses in their investigative skills.
4. Provide the motivation and incentive to continue scientific inquiry into the dimensions of professional nursing.
5. Promote recognition of the importance of research as an essential component of professional nursing practice.

13.8.2 Developing a Research Idea

Writing a thesis to fulfill the requirements for a master's degree in nursing is mandatory. Students may find it helpful to write out a descriptive analysis of a situation or dilemma in nursing practice that is of particular interest to them. Identifying the components of the situation, the persons involved, the proposed ideal situation and ways of arriving at the ideal may suggest a research idea. Keeping a systematic index of research articles in an area of interest relevant to nursing may suggest theories, research designs or instruments for possible use in thesis research.

Discussions on research and clinical interests with nursing faculty as well as to graduates who have completed thesis can also be helpful. Students can read the completed thesis available in RAKMHSU library catalogued by author. Reviewing thesis and thesis related to health from other departments can also suggest ideas for inquiry.

Conceptualizing a research idea is challenging but highly rewarding once it is accomplished. A well-developed research plan addressing a critical question in nursing will facilitate successful completion of the thesis.

13.8.3 Type of Theses Project

The thesis is a faculty-guided/supervised scholarly experience that provides evidence of critical thinking, ability to integrate information, and understanding of research. The master's thesis is an independent research project that includes designing a study and performing the aspects of the research process. The

thesis addresses a theory or knowledge gap, and results in clearly defined new knowledge that is original. The finished product to follow the format as per the thesis manual designed by RAKCON. A thesis takes 2 semesters to complete and is designated as research scholarly thesis 1 & 2 (1 Credit in 3rd Semester and 2 Credits 4th Semester).

13.8.4 General Guidelines

Responsibilities of MSN/MSM Thesis Committee:

- 1) RAKMHSU/RAKCON to constitute MSN thesis committee in which the thesis supervisor/advisor shall be a member.
- 2) Choose the committee members among the graduate faculty of the RAK College of Nursing.
- 3) Schedule the committee meetings at times mutually convenient for its members and students.
- 4) Approve the thesis topic presented by the respective MSN student enabling them to develop the research proposal.
- 5) Review all the MSN students' thesis proposals and give approval to proceed with the submission of the document to RAKMHSU - Research Ethical Committee (REC) for approval.
- 6) Receive the entire approved proposal sent by the thesis committee and forward it to RAKMHSU REC for approval. If required the proposal is sent to the regional REC for approval. Student receives one copy of the REC approval letter(s), while another copy filed in student's record.

13.8.5 Responsibilities of the Student:

- 1) To choose a research/thesis supervisor from the faculty profile provided on the university website.
- 2) To initiate contact with their supervisor after receiving the acceptance email.
- 3) To contact their supervisors within 10 working days of the supervisor nomination, to agree a date for an initial meeting or other working methods.
- 4) The student and supervisor should agree a timetable at the outset for completion, which should include provision for at least three meetings in advance of submission. At least two of these should be face to face.
- 5) To provide their supervisor with drafts and discuss the work, as agreed with the supervisor and no later than five working days before any meeting.
- 6) To develop the research proposal as per the guidelines in consultation with the thesis supervisor.
- 7) To submit the research proposal with all the materials for review to the committee members ten working days before the thesis committee meeting followed by its submission to Dean - RAK College of Nursing and forward it to RAKMHSU - Research Committee.
- 8) To ensure the approval from appropriate bodies in relation to research ethics.



- 9) To conduct pilot study to identify problems that may arise with the research process and check the reliability and validity of the tools.
- 10) To implement the research plan after obtaining the approval from REC and respective study settings.
- 11) To work systematically and within agreed deadlines, meeting the program specified deadlines.
- 12) To make themselves available for meetings with their supervisor during regular business hours.
- 13) To agree with the supervisor on a reasonable schedule for the completion of each portion of the research and thesis.
- 14) To submit to the supervisor all research materials, as requested, and, at the agreed times, drafts of parts of the thesis for comment formatted according to the thesis manual.
- 15) To give serious attention to the advice and direction of the supervisor.
- 16) To realize that the supervisor has duties and commitments that may delay access at short notice or slow down the return of a draft.
- 17) To maintain regular communication with the supervisor.
- 18) Successfully complete oral examination on the thesis.
- 19) Submit three copies of the corrected thesis and three soft copies in USB to The Dean's office of RAK College of Nursing.

13.8.6 A. Thesis Supervisor:

In the second semester, the faculty supervisor shall accept a maximum of 2 students in each academic year. The faculty member chosen by the MSN/MSM students will serve as a supervisor till the completion of the Thesis.

The thesis supervisor is ultimately responsible for monitoring all the student research tasks. With the authorization of the Committee, the thesis co-supervised by other doctors for justified academic reasons, such as an interdisciplinary topic or a program developed in national or international cooperation. The nominated external supervisor from the relevant field with knowledge, expertise and interest in the student's research topic.

It is expected that all the supervisors will:

- Have had supervision experience
- Have access to adequate resources.
- Be an active researcher
- Be available during the relevant academic year
- Have attended research update sessions conducted by CEDAR and CNE of RAKCON.

13.8.6 B. Supervisor Selection Process.

During the second year of year 1 orientation program shall be organised to brief MSN/MSM students regarding the thesis and selection of the Thesis supervisor. Students are to follow the procedure mention below:

1. The student is to choose and send an email to request acceptance from the supervisor selectef from the Faculty profile provided on the University website - RAKCON
2. The faculty supervisor will respond to the email as accepted or not accepted

13.8.7 Role of the Supervisor:

1. The role of the supervisor is to assist the student by providing advice and guidance on how to prepare, produce and improve their research thesis.
2. It may include following aspects:
 - To assist the student in identifying a suitable research topic and (where appropriate) setting up a program of study.
 - To assist the student in tailoring the proposal to the time and other resource constraints.
 - To assist the student in the interpretation of research materials
 - To plan research using suitable methods, including obtaining necessary research ethics approval; methods of improving the presentation
 - To advise the student on approach, coverage, questions to be asked and the outline structure and research design.
 - To assist in drawing up a suitable preliminary bibliography
 - To assist the student in the interpretation of research materials.
3. More specifically, the supervisor is expected to:
 - Assist the student in the definition and organization of the project in the early stages of preparation;
 - Advise the student on the feasibility of what they plan to do;
 - Approve the thesis proposal.

The supervisor is under no obligation to:

- Find the student a suitable topic for the topic
 - Read preliminary drafts of the student's work
 - proof read the final draft
4. To indicate clearly when a draft thesis is in acceptable condition for examination
 5. To maintain regular communication and consultation with the student.
 6. To be available for regular and timely consultations with students and to provide notification of lengthy absences and the support mechanisms available under these circumstances.



7. To agree to continue supervision when on sabbatical or other type of leave, or to assist the student in arranging for supervision during the period of the leave.
8. To agree with the student on a reasonable schedule for the completion of each portion of the research and thesis.
9. To ensure that student contributions to publications with adequate acknowledgement.

13.8.8 Responsibilities of the Supervisor:

1. The role of the supervisor is to assist the student by providing advice and guidance on how to prepare, produce and improve their research thesis.
2. It may include following aspects:
 - To assist the student in identifying a suitable research topic and (where appropriate) setting up a program of study.
 - To assist the student in tailoring the proposal to the time and other resource constraints.
 - To assist the student in the interpretation of research materials
 - To plan research using suitable methods, including obtaining necessary research ethics approval; methods of improving the presentation
 - To advise the student on approach, coverage, questions to be asked and the outline structure and research design.
 - To assist in drawing up a suitable preliminary bibliography
 - To assist the student in the interpretation of research materials.
3. More specifically, the supervisor is expected to:
 - Assist the student in the definition and organization of the project in the early stages of preparation;
 - Advise the student on the feasibility of what they plan to do;
 - Approve the thesis proposal.

The Supervisor is under no obligation to:

- Find the student a suitable topic for the topic
 - Read preliminary drafts of the student's work
 - proof read the final draft
4. To indicate clearly when a draft thesis is in acceptable condition for examination
 5. To maintain regular communication and consultation with the student.
 6. To be available for regular and timely consultations with students and to provide notification of lengthy absences and the support mechanisms available under these circumstances.
 7. To agree to continue supervision when on sabbatical or other type of leave, or to assist the student in arranging for supervision during the period of the leave.
 8. To agree with the student on a reasonable schedule for the completion of each portion of the research and thesis.
 9. To ensure that student contributions to publications with adequate acknowledgement.

13.8.9 Responsibilities of the Supervisor:

1. Once a timetable for submission of drafts and for supervision meetings is agreed, Supervisors should ensure that appropriate feedback is provided on submitted draft work at supervision meetings. Where written feedback is agreed this should be provided within a reasonable time from the agreed date for submission of draft work.
2. The student is entitled to have regular meetings with their supervisor prior to submission of the Dissertation / Thesis. These could be, for example:
 - An initial discussion identifying the topic, questions and methodology, identifying any research ethics approval that will need to be obtained and sketching out an initial action plan and bibliography;
 - Intermediate meeting to assess progress on the thesis and discuss the likely structure of the first draft;
 - Final 'trouble-shooting' meeting.
3. The student and supervisor should agree, prior to their first meeting, in what format supervision meetings will take place. Examples might include, face-to-face meetings, online video sessions, telephone conversations, or email exchanges, or other working formats as required and agreed.
4. Supervisors should make clear to students (according to the framework) how many drafts supervisors are required to read, when they should be submitted by, and include sizes of drafts they are able to accept during the supervisory period (e.g. chapters or whole thesis).
5. If thesis are carried out when faculty may be on leave or otherwise unable to meet with the student. Where a supervisor will be out of contact for a period of longer than four weeks the dean should ensure that an alternative supervisor is available to cover during this period.

13.8.10 Time Parameters

Supervision Hours:

The students will obtain direct supervision thrice in a week, two hours per day, specific days allotted are Tuesday, Wednesday and Thursday. The thesis typically takes six months or more to complete. Factors that affect the time needed for completion of the thesis include the procedural requirements for approval of the study, the methodology of the study, the availability of study subjects, and the amount of time the student can devote to conducting the research and the writing of the final drafts of the thesis.

13.8.11 Approval of the Proposal:

Approval of the proposal and review of the research by the Research Committee of the university and clinical agency often takes several months. In agencies that receive, numerous requests for access to subject's approval to implement the study may take even longer. The time needed for data collection varies depending upon what data are sought; several months are usually needed for this aspect of the research.

Student prepares draft of the thesis and reviewed by the thesis supervisor prior to the oral defense of the thesis. A realistic timetable should be set for completing each phase of the thesis research. Students should consider their own time limitations, the varied schedules of the thesis supervisor and committee members, and the Graduate department deadlines in planning the timetable.

13.8.12 Protection of Human Subjects in Research:

The student is responsible for designing and implementing the research in an ethical manner. The student must review the methodology of the study, develop explanatory materials, and consent forms. Students must be cognizant of the fact that they have the responsibility for protecting the rights of the subjects of the research; these rights include informed consent, freedom from injury and harm, and confidentiality in the handling and reporting of data.

The proposal forwarded to the RAK Medical & Health Sciences University Research Ethical Committee (RAKMHSU-REC) for approval to commence with thesis. Students receive written notification of the outcome of the RAKMHSU-RC review one to two weeks after the submission of research plan.

13.9 Plagiarism for Master of Science in Nursing and Master of Science in Midwifery Program:

The MSN/MSM thesis must consist exclusively of the student's original work, and must be unique to the student and Program while, the thesis' author assumes responsibility for its content. In cases where the work sites, builds on or uses research or data provided by others, the thesis content should acknowledge and reference this in accordance with instructions.

Inadequate referencing considered plagiarism will also include appropriation or imitation of the language, ideas, and thoughts of another author and representation of them as one's original work. This includes:

- a) Paraphrasing another's ideas or conclusions without acknowledgement;
- b) Lifting of entire paragraphs, chapters, etc. from another's work; and
- c) Submission as one's own work, any work prepared by another person or agency.

All the content (final proposal and final thesis) are scanned for similarity index using Turnitin software used by RAKCON, RAKMHSU. Similarity index is based on percentage of matched text out of total number of words in the document. If the report has similarity index more than or equal to 19%, then benefit of doubt may be given to the author but, in case, any single source has similarity index more than 5% without citation then it needs to be revised. If similarities of a report are from author's own (previous) work then these are ignored only if the material cited by the author. The plagiarism verification form (Annexure 1) is to be attached with thesis reviewed by the researcher and the supervisor.

13.9.1 Entry into the Research Setting

Appraisal from thesis supervisor regarding the anticipated location for data collection is essential. The supervisor can assist students, when needed, in gaining entry to an appropriate setting for data collection. The thesis Supervisor assists students by providing specific information about the administrative structure and patterns of authority within a particular agency. The point of entry into the setting and appropriate methods of gaining entry are critical to acquiring access to research subjects.

The following general suggestions will be helpful to students who plan to use agency settings for the conduct of research:

- Formal Communication illustrating brief overview of the research plan to the associated Institution/Hospitals is to enable fixing an appointment. This letter is addressed to the Director of Nursing Services unless a particular situation requires otherwise.
- Submit participant's information sheet and consent form that clarifies the expectation of research subjects during the course of the study.
- Determine the potential importance of the study for the agency as perceived by the person contacted.
- Make an appointment with the appropriate person in the agency to explain the research and the details of data collection. Have copies of the research approval, research tools and consent form available when arriving for the appointment.
- Obtain information and follow the policies of the agencies to implement the research plan.
- Indicate the willingness to share the results of the research with professionals from the agency.
- Student can give an appreciation letter to the appropriate agencies On completion of data collection.

13.9.2 Data Analysis:

Students writing the thesis must consult their research supervisors to determine the most appropriate statistical software program to use in the data analysis process.

13.9.3 Submission of the Thesis:

Students must follow the format as described in the RAKCON "Thesis Manual" to write the thesis. Submit the final copy of thesis to the Graduate department of RAK College of Nursing.

13.9.4 Oral Defense of the Thesis:

The oral defense of the thesis is set at a time that is mutually convenient for the student and members of the thesis committee. Intimation on date and time of the thesis defense are on the graduate student bulletin board and via their emails.

The oral defense is approximately for a one hour in length where students are to present the thesis and answer questions asked by the internal and external examiners. Successful completion of the oral examination as well as acceptance of the written thesis are communicated on standardized forms to the RAK College by the thesis supervisors. Three final bound copies of the thesis are submitted to the Graduate department RAK College of Nursing before the designated date to meet requirements for graduation in a particular semester.

Plagiarism Verification Form (Annexure 1)

1. Name of Researcher:

2. Title of the Thesis:

3. Faculty:

4. Name of Supervisor:

5. Official Designation & Address:

The above thesis was scanned for similarity detection. The report is as follows:

Software used Date.....

Similarity Index: Total word count.....

The report is attached for the review by the Researcher / Supervisor Sign. of Researcher

The plagiarism report of the above thesis has been reviewed by the undersigned. The similarity index is below accepted norms.

The similarity index is above accepted norms, because of the following reasons:

.....
.....
.....
.....

The thesis may be considered for submission to the University. The software report is attached.

Signature of Researcher

Signature of Supervisor with Seal



14 Assessment and Grading System

14.1 Assessment Committee

The Assessment Committee consists of the Vice President (Academic Affairs) as Chairperson, Incharge-Assessment office as Secretary, Deans, other nominated faculty as members and nominated student - graduates as students representatives. The Assessment Committee determines whether the students meet the general requirements for promotion. It shall also be responsible for the approval and announcement of Assessment results.

14.2 Time of Assessment

All End-Semester Assessment will be held at the end of semester, January/February and June/July months of the year. The timings for the Repeat Assessment depend on the announcement of the results of these exams, but in general they are conducted within 6 weeks from the announcement of the results.

14.3 Requirements for Appearing in Assessment

No student shall be allowed to appear for any Assessment during the semester if the student does not fulfill minimum attendance requirement of 75%.

14.3.1 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 write a repeat examination for that particular 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.

14.4 Assessment Methodology

At RAKMHSU, the Assessment / Assessment methodology is to assess the student continuously throughout the semester. For this purpose, 40% weightage is given to the end-semester Assessment, and 60% weightage is given to various Assessment spread throughout the semester in the name of "Continuous Assessment".



14.5 Continuous Assessment

The methodology for conducting various continuous Assessment components and their respective weightages are as follows:

14.5.1 Mid Semester Assessment (Total Weightage 60% of Continuous Assessment)

- There will be only one Assessment in the format of the mid-semester exam and carries 60% weightage of continuous Assessment. The mid-semester Assessment shall be an approximately 2 hour Assessment comprising MCQ and/or RRE/ERE. Weightage of MCQ and ERE will be 30% and 70% respectively.
- The Dean of the College will notify the students about the schedule of the mid Semester Assessment - including the date, time, and venue.
- For clinical rotation courses, the mid semester Assessment will be in the form of OSCE for MSN/MSM programs and a formal mid-rotation evaluation by the preceptor for MS in Clinical Pharmacy Program.

The exact weightage for different Assessment is given below :

Type of Assessment	Percent weightage	
	MS Programs in Pharmacy	MS programs in Nursing
Assignment	10	10
Seminar	10	15
PBL/TBL	10	15
Quiz	10	--

14.5.2 Assignment

- Date of submission: The faculty shall fix the precise date of submission and once the date is fixed, the faculty must maintain the deadline.
- Topics: Different topics can be given to different students or different group of students. The topics for the assignments can be announced at least 2 weeks in advance.
- The form of assignment will depend on the nature of the course and may consist of individual or group work.
- The faculty shall provide the detailed guidelines to the students on the format of the assignment.

14.5.3 Seminar

The students will be assessed during the seminar session taking into account organization and content of the presentation, personal attributes, use of audio visual aids, presentation skills and questions and answers.

1. Absence in Seminar: There shall not be any 'remedial' or 'repeat' for the Seminar.
2. Timings/Duration: Seminar to be conducted during the regular class hour for that particular course, always with prior announcement.



14.5.4 PBL / TBL

The students will be assessed on their problem solving abilities and learning in team based sessions. Each course will have PBL/ TBL sessions and their placement will be informed by the course faculty. The course faculty will decide the mode of Assessment of PBL activity which will be either in the form of submission of an assignment or presentation of seminar. The TBL activity will be assessed by multiple choice questions.

1. As a part of training, the student will do the peer and self-review, but this will not be added to the continuous Assessment.
2. There will be no repeat PBL.
3. The PBL ideally has to be integrated across several courses and the marks awarded will be taken into each of the courses equally.
4. When integrated PBL is not possible, individual course PBL can be planned. However, this will be solely at the discretion of the Dean of the College.

14.5.5 Quiz

There will be one quiz for each course per semester, and its placement will be notified at the beginning of the semester. Quiz can be in the form of Extended Response Essays (EREs) including case-based clinical scenario related questions relevant to the courses.

14.5.6 Continuous Assessment in Practical/Clinical

In courses with practical or clinical credit hours, the skills will be assessed using a variety of Assessment tools. The tools used, relative contributions and frequency will depend on the nature of the course. This information is available in the individual course syllabus.

For Practical: Continuous assessment contribute 60% & final exam contributes 40% to over all results.

For Clinical: Continuous assessment contributes 70% & end rotation assessment contributes 30% to over all results.



14.5.7 End Semester Examination

There will be an end semester exam at the end of each semester for theory and practical/clinical for each course. Theory will consist of MCQ and RRE/ERE with a weightage as described in the course syllabi. The format of practical will vary with the nature of the course. This Assessment will contribute 40% to the overall mark of each component. For clinical rotation courses, the end semester Assessment will be in the form of OSCE.

When the continuous Assessment marks and End Semester Exam marks are summated, each student is expected to score a minimum of GPA 3.0 in each of the components separately in theory and practical/clinical components. A student who fails in theory or practical/clinical component will appear for the respective component only for Repeat Assessment.

14.5.8 Progression through the Program

At the end of the academic years the progression criteria is applied based on the performance and grades received by the students. Progression from odd semester to even semester is automatic.

- The students who clear all the courses in final examination will be promoted to next academic year.

Carrying over failed course(s) to the following year

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 prorated.
- 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.



14.6 Assessment Methods include the following types

A. Theory

- Multiple Choice Questions (MCQ)
- Restricted Response Essay (RRE) / Extended Response Essays (ERE)

B. Active Learning Component

- Problem Based Learning (PBL)
- Team Based Learning (TBL)
- Case Based Learning (CBL)
- Seminar
- Assignment
- Quiz (for MS in Pharmacy Programs)

C. Practical/Clinical

- Case studies/Care Plans
- Case Presentations
- Preceptor / Faculty evaluation
- Daily Reflective Diary, Patient Profile Form, Patient Care Activities, Report Evaluations (for MS in Clinical Pharmacy)
- Objective Structured Clinical Assessment (OSCE)
- Viva

D. Thesis

- Thesis report
- Viva

14.7 Academic Dismissal

Academic dismissal is the involuntary separation of a student from the University, when a student does not fulfill the attendance requirement of 75% in a semester or could not achieve a minimum GPA of 3.0, even after repeating a semester.

14.7.1 Appeal procedure to revoke Academic Dismissal

A student may appeal for his Academic Dismissal by submitting a written request within five working days from the time the Academic Dismissal letter was signed and mailed to the Office of the 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.

14.8 Hall Ticket

The following rules are applicable regarding hall tickets:

- The Office of Assessment issues the Hall Tickets at least one week 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 such courses, and in such a case those courses will not be printed on the Hall Ticket.
- Hall tickets must be brought to the Assessment hall every day and presented to the invigilator prior to the
- No faxed copies/photocopies 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.

14.9 Dishonesty in Assessment

All academic work and materials submitted for Assessment must be the work of the student. Cheating is not limited to copying from others' work and giving unauthorized assistance, but it also includes the use of devices or procedures for the purpose of achieving false scores in Assessment. Students are prohibited from submitting any material prepared by or purchased from another person or company.

Students are expected to take themselves seriously and act responsibly. If the student violates the rules of the Assessment, it will result in penalty ranging from a warning to dismissal from the University.

A faculty member who notices the cheating shall report the incident with full particulars to the respective Chief Superintendent, who will recommend the penalty to the Office of the Assessment. The decision of the President will be final.

14.10 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 the Assessment.

14.11 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 the Assessment. The period of postponement will be up to a maximum of one academic year during the entire period of study. The postponement period will be considered and calculated as part of the maximum



study time limitation for the program, from the date of registration.

- a) Leave of absence for personal and non-medical reasons are processed by the Dean of the respective Colleges upon receipt of a written request from the student.
- b) Leave of absence may be granted to students, who are in good academic standing (GPA > 3.0).
- c) For medical leave of absence, students must proceed through the Dean of the College to the Office of the Assessment.
- d) Granting of medical leave will not entitle the student to appear for any exam if the attendance is less than 75%.

14.12 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" and grades are written in letters according to the following table:

Description	Grades	Points	Percentage
Outstanding	A+	4.0	95-100
Excellent	A	3.8	90-94
Very Good	B+	3.6	85-89
Good	B	3.4	80-84
Satisfactory	C+	3.2	75-79
Pass	C	3.0	70-74
Fail	F	-	< 70

14.13 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 the average of all the GPA of a given course during the entire program. Both GPA and CGPA are rounded to the nearest two decimal units.

14.14 Grade Appeals

A student may appeal against a grade of the end-semester Assessment within five working days from the announcement of the results of the end-semester Assessment by forwarding a written request to the Office of the Assessment. The Office of the Assessment shall call the respective Chairperson, and if necessary the Assessment Committee Meeting, to review the Assessment paper(s). Any change of grade will be informed to the student by the Office of the Assessment.



14.15 Announcing of Grades

The Grades will be announced as per the dates mentioned in the Academic Calendar for a given semester. Students wish to receive their grades electronically, may submit a request letter to the Office of the Assessment and it will be done without any extra cost.

14.16 Graduation

To be eligible for graduation, the student must satisfy each of the following requirements:

- a) Must have satisfactorily completed the program within the maximum study time limitation of respective programs (excluding internship wherever applicable) from the date of registration. This period is four years for full time study and six years for part time study.**
- b) Must have met the attendance requirement of 75% separately for theory and practical classes in each semester.
- c) Must have achieved a CGPA of more than 3.0.
- d) Must have successfully completed the Dissertation / Thesis
- e) Must have completed all required coursework in the curriculum
- f) Must have earned at least 75% of total credits required for the program at RAKMHSU.
- g) The student becomes a degree candidate when the Department Chairperson, on the request of the faculty advisor, certifies that the student has completed the program and the University requirements for graduation and, consequently, recommends him/her to the Academic Council through the Dean for the conferring of the appropriate degree.
- h) 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.

14.17 Academic Honors

Academic Honoring of the Master Degree is classified as follows:

- 1. CGPA 3.8 or higher Master with Distinction**
- 2. CGPA 3.5 - 3.79 Master with Merit**
- 3. CGPA 3.0 - 3.49 Pass**

The Office of Assessment issues the Students' Academic Honor List at the end of each academic year.

To be placed on the Students' Academic Honor List, a student must:

- Have registered for the stipulated credits per semester, and have received no failing grades.
- Have at least a GPA of 3.8 or higher.
- Should have passed all course at the main University Assessment.
- Have no disciplinary action against him/her.

**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 graduate 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 graduate program with Distinction (CGPA of 3.80 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.

14.18 University Transcripts

A transcript is a copy of a student's permanent academic record, duly certified by the Office of the Assessment, and bearing the embossed seal of the University and is issued at the completion of program. It contains the following information:

a) A listing of all courses registered and the grades achieved.**b) A statement of the degree attained including the date of graduation.**

Student may order transcripts of their academic record at the Office of the Assessment upon written request along with the prescribed fee. However, if a student wants to know his/her progress in between the program, an unofficial transcript (without the seal of the University) may also be issued.

14.19 Award of Degree

Degree certificates shall be processed by the Office of Assessment. To avail degree certificate, the student must satisfy graduation requirements mentioned above. Degree certificates shall be issued during Convocation which will be held annually



15. RAKMHSU Members

15.1 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

**15.2 List of Senior Administrators**

S.No.	Name	Designation
1	Dr. Ismail Ibrahim Ali Matalka	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
10	Mr. Saleem Khader Syed	Deputy Director - Finance & Accounts
11	Dr. Sampathkumar Madam Palanisamy	Chief Librarian

**15.3 RAKCOP Faculty Profile (MS Programs)**

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 IEQAA	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)

**15.4 RAKCON Faculty Profile (MS Programs)**

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. Priyalatha	Associate Professor Program Director for MSN program	Ph.D. (2014) (RGUHS, MSN (2004), BSN (1992)(CMC Vellore): India
5	Dr. Victoria Hanson	Associate Professor	Ph.D. Maternal & Child Health Nursing (2015) (Uni. Of Western Cape) (South Africa), M.Sc. Maternal & Child Health Nursing (2005), B.Sc. Nursing Education (Ibadan Uni.) (1997): Nigeria
6	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
7	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
8	Dr. Olabisi Fatimo Ibitoye	Assistant Professor	Ph.D. (Midwifery) (2017) Uni. of Western Cape) : S. Africa , M.Sc. Nursing (Midwifery) (2011) and B.Sc. Nursing (2001) (University of Ibadan): Nigeria,

16 LOCATION MAP AND CONTACT DETAILS

Location Map:

GPS Coordinates: 25° 47' 36.06" N 55° 56' 53.556" E



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