



RAK College of Pharmacy كلية رأس الخيمة للسيدلة



RAK College of Pharmacy

Catalog

Bachelor of Pharmacy Program (B. Pharm)

Undergraduates 2024-2025



H.H. Sheikh Saud Bin Saqr Al Qasimi

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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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 1350 students from 49 nationalities, and it aspires to further growth by establishing more masters programs not only in nursing and pharmacy, but also in the medical and dental programs, It is a matter of great satisfaction to see our students excelling in academics, as well as in other co-curricular and extracurricular activities bringing laurels to the university!

This catalog provides the B pharm 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 Bpharm, the structure of the university, the Memorandum of Understandings with different institutions / organizations both national and international, and the university's state of art facilities.

Every student should be well versed with all the guidelines incorporated in the catalog and other university's publications relevant to students and Bpharm program. 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 Matalka, FRCPath
President**





Dean's Message

Dear Students of the College of Pharmacy, I hope this message finds you all in good health and high spirits. It is with great pleasure and excitement that I take this opportunity to introduce myself as the new Dean of the RAK College of Pharmacy at Ras Al Khaimah Medical & Health Sciences University (RAKMHSU). I am honored to join this esteemed institution and work alongside each of you in shaping the future of pharmacy education and research. I come to this role with a deep passion for advancing pharmaceutical sciences and patient care. Over the years, I have had the privilege of working in various leadership capacities within academia and the pharmaceutical industry. My primary goal as Dean is to build on the strong foundation of excellence that already exists within the college and to foster an environment that promotes innovation, diversity, and collaboration.



I am excited to welcome our students to Ras Al Khaimah Pharmacy! Our passion is preparing pharmacists and pharmaceutical scientists for a career where they will make a difference across the spectrum of healthcare focused on medications. Our college, staff, alumni, and stakeholders are deeply committed to your success and your future. We have internationally acclaimed teachers, scientists, and patient care providers all working collaboratively to provide the destination to fulfill your career hopes and dreams. The college of Pharmacy is part of Ras Al Khaimah Medical Health Sciences University (RAKMHSU), which are institutions dedicated to practise, research, and education in the field of medicines. Modern classrooms, laboratories, and numerous volumes of pharmaceutical reference books are all available to students studying pharmacy.

The B.Pharm program is of four years and six months duration with four years of course work along with industry and community Pharmacy rotations in the 8th semester. The Ninth semester is exclusively for clinical training in hospital. This will expose the students to real life situations and prepare them to face the different challenges in their profession. We are proud of our engaging educational approaches and the diversity of learning environments provided throughout Ras Al Khaimah College of Pharmacy. As a learner in Ras Al Khaimah Collge of Pharmacy you will:

- engage with patients beginning in your early year as a Pharmacy student;



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

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

Welcome to the Ras Al Khaimah Pharmacy family where our culture leads our excellence to produce simply the best experience for you to begin the career of your dreams! Faculty of Pharmacy, RAKMHSU is the right place for those who concern about the quality of education, think about the future and opportunities enabled by education. At our faculty, student will acquire up-to-date knowledge and skills that will enable him/her for real needs of the future occupation.

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

to:

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



5. Embrace diversity and inclusivity: I firmly believe that a diverse and inclusive academic community fosters creativity, empathy, and better problem-solving. We will actively promote diversity among our faculty, staff, and student body.

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

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

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



1. RAKMHSU Academic Calendar 2024-2025

ACADEMIC CALENDAR 2024-2025					
	Weeks	From	To	Description	
FALL SEMESTER	1	26-Aug-24	30-Aug-24	26th Aug - First day for Existing students; Registration and Orientation for all Programs 27th Aug - Regular Teaching Starts for Existing Students - All Programs	
	2	2-Sep-24	6-Sep-24	02nd-03rd Sep - Freshmen registration and Orientation for All programs (Including Masters) 04th Sep - Last day for Add/Drop 04th Sep - Year 1 Regular Teaching Starts	
	3	9-Sep-24	13-Sep-24		
	4	16-Sep-24	20-Sep-24	Suggested week for Placement Test (English) 20th Sep - Last day for withdrawal from Fall semester 20th Sep - International Day of University Sport (IDUS)	
	5	23-Sep-24	27-Sep-24	25th Sep - World Pharmacists Day Suggested week for Placement Test (Arabic) End Rotation exam for MBBS Year 4 & 5	
	6	30-Sep-24	4-Oct-24	30th Sep - 04th Oct - Fresher's Week, Sports Competition 04th Oct - Fresher's Day Written Test Slot 1 (B.Pharm Year 2, 3 & 4, Spring Batch Sem 2)	
	7	7-Oct-24	11-Oct-24	Teaching Week / Written Test - B.Pharm ,	
	8	14-Oct-24	18-Oct-24	RAKMHSU Breast Cancer Awareness Day (Pink October) & Mental Health Day	
	9	21-Oct-24	25-Oct-24	Midterm exams (Fall Semester & Annual Courses) for BDS/B.Pharm (Theory)/ MSN/MS Programs 25th Oct - Book Fair	
	10	28-Oct-24	1-Nov-24	1st Nov - Flag Day (Official Date 3rd Nov) End Rotation exam for MBBS Year 4 & 5 Midterm exams (Fall Semester and Annual Courses) for BDS Midterm Assessment Practical for B.Pharm / MS Program	
	11	4-Nov-24	8-Nov-24	06th Nov - Career Fair (Afternoon)	
	12	11-Nov-24	15-Nov-24	Teaching Week / Written Test - B.Pharm 11th - 15th Nov. - The 15th Sports Festival	
	13	18-Nov-24	22-Nov-24	21st Nov - The 53rd UAE National Day Celebration Teaching Week / Written Test Slot -2 B.Pharm	
	14	25-Nov-24	29-Nov-24	29th Nov-Submission of End Semester question papers Midterm exams for BSN/RNBSN	
	15	2-Dec-24	6-Dec-24	02nd & 03rd Dec-UAE National Day End Rotation exam for MBBS Year 4 & 5 Midterm exams for BSN/RNBSN	
	16	9-Dec-24	13-Dec-24	Midterm exams for MBBS Clinical Years	
	17	16-Dec-24	20-Dec-24	Clinical rotation for MBBS Clinical years Final Practical Examination for B.Pharm	
			23-Dec-24	27-Dec-24	Winter Break for Students CEDAR - Faculty Development Week
			30-Dec-24	3-Jan-25	Winter Break for Students, Faculty & Academic Administrators (like College Deans) 01st - New Year's Day 2025
18	6-Jan-25	10-Jan-25	06nd Jan - Classes resume after Winter Break 7-9 Jan - DUPHAT -2025 06th 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 Final Exams for Fall Semester for B.Pharm only		
19	13-Jan-25	17-Jan-25	Final Exams for Fall Semester for all programs		



ACADEMIC CALENDAR 2024-2025

	Weeks	From	To	Description
SPRING SEMESTER	1	20-Jan-25	24-Jan-25	20th Jan - Spring Semester Begins for all programs 20th - Orientation for Spring Admission 22nd Jan - Last day for Add/Drop 23rd Jan - RAKMHSU Awards Day (From 03:00 - 05:00 pm)
	2	27-Jan-25	31-Jan-25	27th Jan - Last day for withdrawal from Spring semester End Rotation exam for MBBS Year 4 & 5
	3	3-Feb-25	7-Feb-25	4th Feb - The 14th RAKMHSU Mini-Marathon
	4	10-Feb-25	14-Feb-25	13th Feb - RAKMHSU Cultural Day (Full day activity)
	5	17-Feb-25	21-Feb-25	Suggested week for Mock fire Drill Science Exhibition RAKMHSU - Alumni Meet
	6	24-Feb-25	28-Feb-25	Community Engagement Activities Midterm Exams for BDS Teaching Week / Written Test Slot 1 for B.Pharm 24th - 28th Feb - Champion Sports Competitions
	7	3-Mar-25	7-Mar-25	Recommended period for Midterm exams Teaching Week / Written Test for B.Pharm End Rotation exam for MBBS Year 4 & 5 4th Mar - International Dental Assistant's Day 06th Mar -UAE National Sports Day
	8	10-Mar-25	14-Mar-25	Recommended period for Midterm Teaching Week / Written Test for B.Pharm Midterm exam for MBBS Year 4 & 5
	9	17-Mar-25	21-Mar-25	Midterm exams 1 (Spring Semester) and Midterm exams II (Annual Courses) for BDS/B.Pharm/MS and other programs 20th Mar - World's Oral Health Day
	10	24-Mar-25	28-Mar-25	Midterm exams 1 (Spring Semester) and Midterm exams II (Annual Courses) for BDS and other programs Midterm Assessment (Practical) for B.Pharm / MS Program
		31-Mar-25	4-Apr-25	Spring Break for Students Eid al-Fitr Holiday
		7-Apr-25	11-Apr-25	Spring Break for Students, Faculty & Academic Administrators
	11	14-Apr-25	18-Apr-25	14th Apr - Classes resume after Spring Break Teaching Week /Written Test for B.Pharm Campus Interviews Activity Clubs Events
	12	21-Apr-25	25-Apr-25	
	13	28-Apr-25	2-May-25	End Rotation exam for MBBS Year 4 & 5 Teaching Week / Written Test Slot -2 B.Pharm
	14	5-May-25	9-May-25	05th May - Last day for submission of End Year Questions International Nurses Week 04th &05th May - The 15th RAKMHSU Students Scientific Conference
	15	12-May-25	16-May-25	MBBS Year 5 - Final Exam starts Revision/Study Break/Makeup Exam for all programs End Sem Practical Examination for B.Pharm and MS Program
	16	19-May-25	23-May-25	Final Exams for all programs
	17	26-May-25	30-May-25	Final Exams for all programs
18	2-Jun-25	6-Jun-25	3rd June - Announcement of Results for MBBS Year 5 Final Exams for all programs 5th Jun Arafat Day	
19	9-Jun-25	13-Jun-25	Eid al-Adha Holiday 10th June - Announcement of Results 12th June- Issue of LOC / Transcript 14th Jun Annual vacation begins	
<input checked="" type="checkbox"/>	25th Jun - RAKMHSU Convocation-2025.			
<input checked="" type="checkbox"/>	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.			
<input checked="" type="checkbox"/>	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.			
<input checked="" type="checkbox"/>	End Semester/Year Examinations may be scheduled giving at least a daybreak but not for Midterm Assessments /Repeat exams, examinations can also be planned on Saturdays/Holidays.			
<input checked="" type="checkbox"/>	Provisionally Remedial 1 / Repeat1 Examinations (Spring Semester) will be held in July 2025.			
<input checked="" type="checkbox"/>	Provisionally Remedial 2 / Repeat 2 Examinations (Fall & Spring Semester) will be held in August 2025.			



2. RAKMHSU Overview

RAK Medical & Health Sciences University (RAKMHSU) has been set up under the visionary leadership of His Highness Sheikh Saud bin Saqr Al Qasimi, UAE Supreme Council Member and Ruler of Ras Al Khaimah. The aim of His Highness Sheikh Saud Bin Saqr Al Qasimi, Ruler of Ras Al Khaimah and Supreme Council Member, United Arab Emirates was not just to build schools or colleges, but to lay a foundation for an educational infrastructure, that will serve as a platform for global institutions to provide world-class training to the students across the region. His message was clear “We need to encourage excellence in our schools now more than ever”. RAKMHSU has been maintaining absolute honesty and transparency in its functioning, in addition to a relentless march towards excellence with an issue-based functioning.

RAK Medical & Health Sciences University started as the First Comprehensive Health Science University in UAE in the year 2006. The MBBS Program was introduced in the Academic Year 2006 and Bachelor of Dental Surgery (BDS), Bachelor of Pharmacy (B Pharm), and Bachelor of Nursing (BSN) were commenced in the year 2007. Further, the Bridge Program for BSN (RN-BSN) was included to our list from the Academic Year 2008-2009. It is also a matter of pride for RAKMHSU for being the First in UAE to start a two-year Master's Program in Nursing and Pharmacy. Now, in addition to the MS in Adult Health Nursing (MSN) and MS in Clinical Pharmacy, we also have MS in Pediatric Nursing, MS in Community Health Nursing, MS in Psychiatric-Mental Health Nursing, MS in Midwifery, MS in Pharmaceutical Chemistry and MS in Pharmaceutics programs after due accreditation.

RAK Medical & Health Sciences University in Ras Al Khaimah, has achieved a significant academic milestone by attaining a "Five Stars" rating in the global QS Stars assessment system. This achievement places the university among the world's elite academic institutions.

The university received a special rating after experts from the QS Foundation carefully studied it. They looked at how well the university performs based on certain criteria outlined in the QS Stars method.

All our programs have been fully accredited locally by the Commission for Academic Accreditation (CAA) under the Ministry of Education. Also, RAKMHSU is listed in the World Directory of Medical Schools (WDOMS), hence it is internationally accredited. In addition to that, our Doctor of Medicine (MD) program is accredited by the World Federation of Medical Education (WFME), and the Bachelor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education (ACPE), USA. Our Nursing program received the Candidacy Approval from the Accreditation Commission for Education in Nursing (ACEN) and the Dental program is under the process of international accreditation from the Australian Dental Council (ADC).

RAK Medical and Health Sciences University is listed on the World Health Organization's roster, enabling university graduates to undertake examinations such as the American equivalent (USMLE), the British PLAB, and others, facilitating enrollment in studies and specializations abroad. Additionally, the Faculty of Dentistry is endorsed by the World Health Organization (IMRW), and the clinical training provided by the Faculty is acknowledged by the Royal College of Surgeons in Ireland.



The university is accredited as a testing center for English language tests including IELTS and EMSAT within UAE.

From the humble beginning with 22 students in 2006, RAKMHSU has grown remarkably well, now having more than 1350 students from about 50 different Nationalities. Similarly, RAKMHSU is proud to have 88 teaching faculty members, 140 non-teaching staff members, and 22 from teaching assistant from 35 different countries. RAKMHSU has become a role model of synergy and cooperation among students and faculty of different nationalities and religions, pursuing with commitment to their respective professional careers. The continued significant contribution from the committed faculty has helped RAKMHSU immensely in improving its academic standards. One of the happiest moments for all of us was the First Convocation held in the year 2011 when 19 Medical and 48 Nursing students received their degrees from His Highness Sheikh Saud bin Saqr Al Qasimi.

The implementation of the University Management System has enabled the University towards paperless administration. The implementation of the Online Examinations is yet another important step towards improvement in the effectiveness of the University functioning.

It is a matter of great satisfaction for RAKMHSU to receive accolades from the experts for the rapid progress in the quality of education that has been made in a short span of 17 years!

RAK Medical and Health Sciences University provides a favorable ambiance for learning and in the process establishes the legacy of academic quality. Our medical and health science professional training has been unique in several aspects and matching with the International Standards. Our Faculty-Student ratio of 1:6 is also contributing significantly to one-to-one interaction of students with the faculty. RAKMHSU has established itself as one of the foremost Universities in the region and is considered a credible destination for health sciences education. RAKMHSU envisages further growth by establishing more and more masters programs not only in Nursing and Pharmacy but also in the Medical and Dental programs in addition to short-term courses. It is a matter of great satisfaction to see our students excelling not only in academics but also in other co-curricular and extracurricular activities bringing laurels to RAKMHSU! Our students who have pursued their higher education in countries like the UK, USA, Australia, India, Germany, etc., are excelling in their chosen fields. Further, more than 600 Nursing Graduates, 50% of whom are Nationals, serving this country after their graduation.

RAK Medical and Health Sciences University is very proud to have all state-of-the-art facilities for quality health sciences programs. The RAK College of Dental Sciences has its own state-of-art building with ultra-modern dental clinical facilities. Further, an independent building for both nursing and pharmacy colleges in addition to a sports complex has been fully functional. With this additional state-of-the-art infrastructure, RAKMHSU has taken one more significant step towards the International Standards.

The university's central library spans an area of 13,500 square feet and can accommodate 300 male and female students. It features 14 group discussion rooms and a computer suite. The library is fully computerized using the AutoLib management program. Students have got access to approximately 25,000 physical books, along with 370 e-books and 3,500 magazines through the library's electronic portal.



Translational Medicinal Research Center (TMRC) is a biomedical research laboratory adopting an interdisciplinary approach directed towards understanding the pathogenic mechanisms of different infectious diseases and non-infectious ailments such as obesity, diabetes, and hypertension. TMRC is also engaged in delineating the role of microbiome in health and diseases. In addition, research in the area of pharmaceutical sciences focusing on bioactive compounds from natural sources also constitutes an important area of research. TMRC is serving as the research hub of all four colleges of RAKMHSU; namely, RAKCOMS, RAKCOP, RAKCODS, and RAKCON. The collective goal is to create an intellectual atmosphere conducive to the exploration of frontiers of multidisciplinary knowledge. The ultimate goal is to develop novel diagnostic tests and products, procedures, and techniques of value for improving the health care and well-being of people.

RAK Medical & Health Sciences University's Central Animal Research Facility (CARF) was established in the year 2018 on an area of 2,237 square feet for the breeding, and housing of Wistar rats in addition to four laboratories for various pre-clinical research purposes. Currently, CARF maintains Wistar rats, and in the near future, we will incorporate in-breeding and housing facilities for different strains of genetically modified strains of rodents like BALB/c mice, Sprague Dawley rats, and New Zealand white rabbits. The CARF provides a centralized animal research and technical support facility for researchers in departments/ colleges across the University. The holding rooms in the CARF are multi-purpose and designed to be flexible, depending on the needs of the various animals and research paradigms. The veterinary doctor routinely does periodic health monitoring of the animals. In addition, feed and water analyses are carried out periodically to assess their quality and contamination. A dedicated team of well-qualified and trained scientists/ veterinarians and technical assistants, who are experienced in modern methods of animal care, breeding, and husbandry, manage the facility.

Moreover, a central simulation and clinical skills lab has been set up to provide comprehensive training to all students, including those pursuing master's degrees. This lab features various clinical simulation technologies such as the metaverse, high-fidelity mannequins, and simulation software. By incorporating these simulation exercises, the University has achieved another remarkable milestone in this field.

RAK Medical and Health Sciences University is proud to have implemented the online examinations for all programs which is an important milestone for the University, making the whole examination process foolproof and paperless.

Since its inception, RAKMHSU signed several MoUs with both national and international institutions/ organizations to encourage Electives, CMEs, Faculty and Student Exchange, Industrial Training, and Internship programs.



3. RAKMHSU Vision, Mission Core Values and Functions

3.1 RAK Medical & Health Sciences University

3.1.1 Vision

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

3.2 Mission

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

3.3 Core Values

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

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

3.4 Functions:

Goal 1:-

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

Objectives:-



- 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 (MBBS/MD), Dentistry (BDS), Pharmacy (BPharm), Nursing (BSN), Nursing (RN-BSN Bridge program) programs successfully after the accreditation process. In addition, RAKMHSU shall offer other appropriate programs as and when approved.
- 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).
- c) Psychiatric - Mental Health Nursing; and Master of Science in Pharmacy in (a) Clinical Pharmacy and (b) Pharmaceutical Chemistry Pharmaceutics. In addition, RAKMHSU shall offer other appropriate programs as and when approved.
- d) To recruit and retain academic fraternity committed to creation and application of knowledge;
- e) To develop MBA (Healthcare), Medical Tourism and other contemporary educational programs to meet local and international standards;
- f) To develop clinical skills and training in cutting edge technologies to be acclaimed internationally by competent healthcare professionals;
- g) To provide required infrastructure facilities;
- h) 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.
- i) 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 record 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 opportunities 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 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 the 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 alliances 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.

3.2 RAK College of dental sciences

3.2.1 Vision

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



3.2.2 Mission

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

Goals:

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



4. Licensure and Accreditation Status

4.1 University Licensure			
Licensure / Accreditation	Date of Accreditation	Licensure / Accreditation	Current Status
RAK Medical & Health Sciences University:			
RAKMHSU Licensure	22 April 2018	13 March 2028	Active
4.2 National Accreditation			
Bachelor Degree of Pharmacy (B Pharm)	03 January 2024	31 January 2028	Active
4.3 International Accreditation / Recognition			
Licensure / Accreditation		Current Status	
Accreditation Council for pharmacy Education (ACPE), UAE		Active	



5. Memorandum of Understanding

Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
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
	4	10-Jan-19	Gulf Medical University-Teach-Out Agreement-GMU-RAKMHSU, Ajman ,UAE	RAK Medical & Health Sciences University	11th Jan 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



Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
2019	7	9-Sep-19	Ministry of Health And Prevention, UAE	RAK Medical & Health Sciences University	8th Sep 2024
	8	17-Dec-19	RAK Medical & Health Sciences University	BTS Pilani, Dubai Campus, UAE	16th Dec 2025
	9	1-Dec-19	RAK Medical & Health Sciences University	Dabur International Ltd, India	24 th December 2028
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 Nov 2025
2021	12	17-Mar-21	Mothercell Regenerative Centre Private Limited, Tiruchippalli, India	RAK Medical & Health Sciences University	17th Mar 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 Sep 2026



Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
	16	29-Nov-21	Universiti Teknikal MARA Sdn. Bhd, Malaysia	RAK Medical & Health Sciences University	28th Nov 2026
2022	17	4-Jan-22	Sree Anjaneya Medical Trust	RAK Medical & Health Sciences University	3rd Jan 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
	20	07- Mar-22	RAK Medical & Health Sciences University	The National University of Science and Technology,Muscat.Oman	4th Mar 2025
	21	23- Mar- 22	RUDN University, Russia	RAK Medical & Health Sciences University	22nd Mar 2027
	22	25- Mar- 22	RAK Medical & Health Sciences University	RAK Modern Private School, RAK	24th Mar 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	31 st May 2027



Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
	25	15-Jun-22	Manipal Academy of Higher Education, Karnataka, India	RAK Medical & Health Sciences University	21st Jun 2025
	26	29-Jun-22	Burjeel Hospital LLC, Abudhabi,UAE & Affiliates	RAK Medical & Health Sciences University	30th Jun 2027
	27	07-Jul - 22	The Armed Forces College of Medicine - Arab Republic of Egypt	RAK Medical & Health Sciences University	22nd Jun 2026
	28	19-Sep-22	Emirati Cadres Competitiveness Council (NAFIS)	RAK Medical & Health Sciences University	20th Sep 2026
	29	04-Nov-22	RAK Medical & Health Sciences University	Oasis Braces Center Abudhabi,UAE	5 th Nov 2027
	30	13- Dec- 22	ST. John's Medical College, Karnataka, India	RAK Medical & Health Sciences University	12th Dec 2027
	31	30-Dec-22	Sheikh Khalifa General Hospital, Umm Al Quwain. UAE	RAK Medical & Health Sciences University	1th January 2026
2023	32	04- May-23	Emirates Health Services "EHS ", UAE	RAK Medical & Health Sciences University	5 th May 2028



Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
	33	16- May-23	Sheikh Khalifa Hospital, Ras Alkhaimah. UAE	RAK Medical & Health Sciences University	17 th 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	21 st June 2025
	36	22- June 23	RAK Medical & Health Sciences University	American University Ras Al Khaimah, UAE	21 st June 2026
	37	22- June 23	RAK Medical & Health Sciences University	Collaborative Academic Provisions American University, Ras Alkhaimah. UAE	21 st June 2026
	38	4- July 23	The University of Dundee, Dundee, UK	RAK Medical & Health Sciences University	In process
	39	5 - July 23	The University of Strathclyde, Glasgow, UK	RAK Medical & Health Sciences University	4 th July 2025
	40	21 - August 23	Santosh Deemed to be University	RAK Medical & Health Sciences University	20 th August 2028



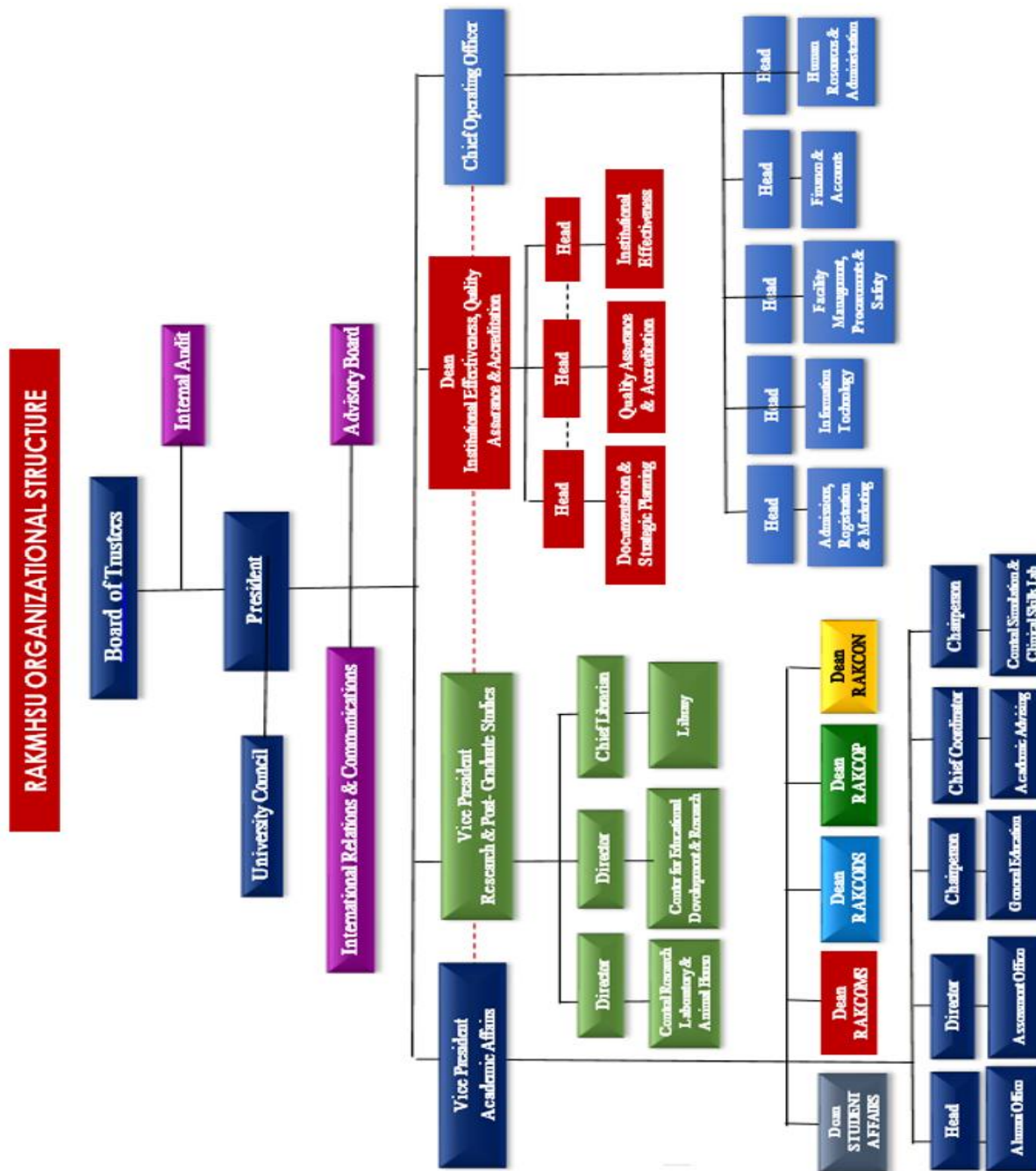
Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
	41	22 – November 2023	Universidade Federal De Santa Catarina (UFSC), Brazile	RAK Medical & Health Sciences University	21 st November 2028
	42	26 - November 2023	RAK Medical & Health Sciences University	University of Warith Al-Anibiyaa, IRAQ	26 th November 2025
	43	5 – December 2023	RAK Medical & Health Sciences University	Fakeeh University Hospital	5 th December 2028
	44	19 – December 2023	RAK Medical & Health Sciences University	RAK Hospital,RAK,UAE	18 th December 2028
2024	45	22- January 2024	Environment Protection & Development Authority, Khaimah, UAE	RAK Medical & Health Sciences University	21 st January 2029
	46	1 – January 2024	Burjeel Holdings PLC (BHPLC),Abudhabi,UAE	RAK Medical & Health Sciences University	31 st December 2029
	47	27 – February 2024	RAK Medical & Health Sciences University	The University of Jordan, Jordan	26 th February 2026
	48	27 – February 2024-	RAK Medical & Health Sciences University	Just University of Science& Technology,Jordan	26 th February 2026



Year	No.	Date of MOU	First Party	Second Party	Contract Valid Until
	49	29 – February 2024-	RAK Medical & Health Sciences University	German Jordanian University, Jordan	28 th February 2026
	50	5-March 2024	Sharjah Center for learning Difficulties, Sharjah, UAE	RAK Medical & Health Sciences University	4 th March 2026
	51	7- May 2024	RAK Medical & Health Sciences University	Symbiosis International (Deemed University),India	6 th May 2026
	52	6- June 2024	University of Palermo, Italy	RAK Medical & Health Sciences University	5 th May 2029
	53	6- June 2024	Cultural Co-operation Framework Agreement University of Palermo	RAK Medical & Health Sciences University	5 th June 2028

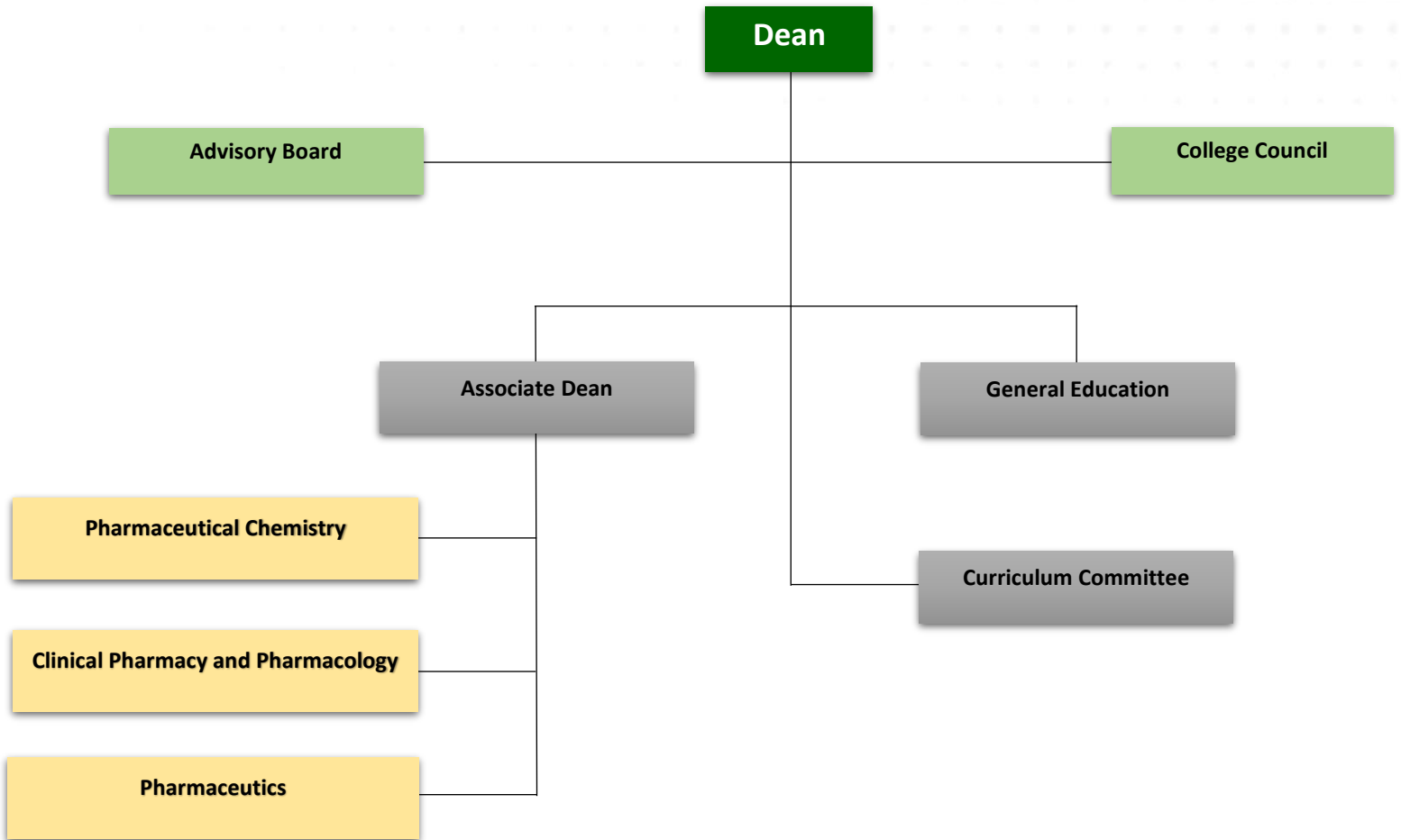


6. RAKMHSU Organisational Chart





6.1 RAK College of Pharmacy





7. University Facilities

7.1 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 is available on the ground floor for male and 4th floor for Females.

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

7.1.1 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.



7.1.2 Use of Classrooms, Laboratories and Office Space

Assignment of space in university buildings for continuing use by the College, Departments or other units for use shall be made by the President. These assignments shall be made on a semester-by-semester basis. Members of the University faculty, staff or students, who are assigned the office space in a building on campus, and who have been authorized to have a key to the main door of the building, shall be authorized to use such assigned office space whenever their work may require such use.

7.2 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 mission. Information technology is a critical resource for the University, as it acquires and distributes data for carrying out teaching, learning, research, academic and administrative activities of the University. 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.

7.2.1 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 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.

7.2.2 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 operated by the IT Department, and as per the policies that are ratified by the University. This includes, but is not limited to game servers, Windows Servers, Novell NetWare Servers, or any form of UNIX in a server configuration.
- Institutionally owned systems may not operate recreational peer-to-peer applications or any peer-to-peer messaging applications that is exploitable due to improper configuration or application weaknesses. Institutionally owned computers and/or privately owned computers, performing institutional business must have up-to-date anti-virus software installed.
- Services such as DNS, DHCP, BOOTP, WINS, FTP, or HTTP may be operated only within the guidelines and information technology policies of the University.
- The University maintains public access computing labs for use by the faculty, the students, and staff only. Proper use of public computer laboratory facilities is expected. Proper use follows the same standards of common sense and courtesy that govern the use of other public University facilities. Anyone engaged in an activity or use of the facility which hampers or interferes with the ability of others to do their work may be asked to quit the activity and/or leave the facility. Examples include loud conversation, disruptive behavior, excessive computer volume or display of pornographic, offensive or obscene materials.
- Electronic mail (e-mail) is a resource widely distributed and supported on the campus. Electronic mail is to be used for appropriate educational, research, and administrative purposes only. It is a



violation of the computing policies of the University to start or forward chain letters which has no relevance to the university activities. This behavior is also in violation of most network policies. In addition, University policy prohibits users from sending threatening, obscene, or harassing messages to other users.

University email services should not be used for communicating greetings or forwarding any email other than that of academic interest.

- It is the policy and practice of the University to respect the copyright protection given to software owners. Therefore, it is against the policy for any student, faculty, or staff member to copy or reproduce any licensed software or other copyrighted material on university computer equipment except as expressly permitted by license. Appropriate laws and copyrights are to be respected. Requests for the duplication or installation of software will not be honored without proof of license or proof of purchase.
- Users requesting access to the University computing resources will be required to sign a statement on the appropriate user account request form indicating that they have read, understood, and agreed to abide by these guidelines.

7.2.3 Appropriate usage of the IT Enabled Resources and Services.

- Users requesting access to the University computing resources will be required to sign a statement on the appropriate user account request form indicating that they have read, understood, and agreed to abide by these guidelines.

- 1) IT Enabled Resources and Services are provided to carryout Academic and Administrative activities of the University.
- 2) End Users 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 the proper channel. RAK MEDICAL & HEALTH SCIENCES UNIVERSITY GRADUATE CATALOG 2022-2023
- 6) Computer accounts are members of University Domain with normal user access rights. Users may not have Administrator privileges in their system.
- 7) Required applications need 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 viruses and malicious software.

7.2.4 Authorized User Access and Responsibility.

1) User accounts issued by the IT Department are 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.

7.2.4.1 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.

7.3 Library

RAK MHSU Library was established in 2006 as a learning and resource center. The vision of the Library is to support the RAKMHSU by establishing a knowledge hub to enable access to information resources of all kinds and to provide innovative, responsive and effective services to meet the changing needs of the academic community. It has a hybrid collection of print as well as electronic resources which include **26900+ Books, 4500+ e-Books, 3300+ e-Journals, 180+ thesis** (Nursing & Pharmacy), **7 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 **14 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 **140 individual study carrels** for quiet study and group discussion rooms. The main services of the library include circulation of resources, reference service, online Access to E-Books/E-Journals, Reprographic service (Printing & Scanning), Information Literacy, Inter-Library Loan, SDI & CAS services (Standard Dissemination of Information and Current Awareness Services). Reprographics services are offered through networked photocopying, printing and scanning facility with MiFare technology based prepaid ID Card system. The Circulation services (borrow/Return) of books are offered through a RFID-based Self Check-In and Check-Out automated library management system and high-speed internet access to online services such as online databases, e-books, and e-journals.

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

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

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

In addition to providing access to the various resources, the RAKMHSU Library also offers a range of research and reference services to support students in their academic pursuits. Our team of professional librarians are available to provide guidance and assistance with research and information retrieval. For Research Support Services The library offers a range of research support services to assist faculty and students to find, locate and use the information by providing them a range of resources, tools, and services to support them in conducting research. The librarians conduct



the Information Literacy Sessions to assist and train the users for effective Literature search for their research topics and terms to enhance the quality and relevancy of their research. Academic software such as **SPSS, Turnitin and EndNote** 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), **Open Access Resources**, 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, as well as workshops and training sessions on the proper use of sources, citation styles and research management.



8. B. Pharm Admission Requirements

8.1 University General Admission Requirements

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

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

Admissions are open to students of all nationalities.

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

8.2 Admission Criteria for 12th grade High School or equivalent and additional requirements

Curriculum	12thGrade High School or equivalent Requirements
UAE Curriculum	A minimum High School Average of 85% for Advanced Track or 80% for Elite Track or equivalent in Standardized International Systems is required with No admission of General Track applicants.
American Curriculum	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics. If Biology is not taken in 12th Grade, a SAT II score of 550 in Biology is required OR (If Biology is not done in grade 12th, require a letter from the school that the biology which achieved in grade 10th /11th is equivalent to grade 12th). SAT in Math and English required to be completed in school for obtaining Equivalency Certificate from MOE.
SABIS	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
International Baccalaureate	Must have completed any six courses including Biology and Chemistry/Physics at the higher level and obtain IB score of at least 25.



Pakistan Boards/Certificate	Higher Secondary School Certificate with aggregate of 70% can apply. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics (Part 1 and Part 2 total).
Indian Curriculum (CBSE/ISCE) & Indian State Board	All India Senior School Certificate XII std CBSE/ISCE exams with 70% Aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses. Indian State board: 75% aggregate can apply. However, Priority in admission will be given to those with high scores in Biology and Chemistry/Physics courses.
British Curriculum	Students applying for the B. Pharm program must have completed at least two Advanced Supplementary of AS level OR one A level in Biology with at least 'C and above' grade after having completed 5 IGCSE/GCSE or O levels with minimum grade of 'C and above' in O level courses (the aggregate is equal to 85%) equivalent to UAE curriculum. Only courses classified as academic will be considered for admission. Courses must include Physics, Chemistry and Biology with at least two of them including Biology at the AS level/A level. For grade to percentage calculation: http://www.igcsegate.com/score-calculator#
African Curriculum (WAEC/WASSCE etc.)	C grade & above combination of grades in 12th grade in Biology and Chemistry can be considered. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Canadian Curriculum (Ontario/Alberta etc.)	An aggregate score of 85% is required. Priority in admission will be given to those with high scores in Biology and Chemistry/Physics.
Israel Curriculum	A minimum of High School in 12th grade with overall average 75% is required with physics, chemistry and Biology subjects.

We converted the marks for the foreign curriculum based on the World Education service link:



<https://applications.wes.org/country-resources/resources.asp>

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

- An Emirates Standardized Test (EmSAT) score of 1100 for English Language or an equivalent English Proficiency Test approved by the CAA. (TOEFL score of 500 in paper-based test OR 61 in internet-based test OR Academic IELTS score of 5 OR 173 in TOEFL CBT) are the English language requirements.
- EmSAT scores of 900 in two out of the three science subjects (Biology, Chemistry/Physics) & EmSAT scores of 900 in Mathematics.
- Or, if the student did not complete his/her EmSAT exam, he/she has to provide the following subjects Mathematics, Biology, Chemistry/Physics done in 12th grade.
- Or, if the student did not complete his/her EmSAT exam or Mathematics & science subjects not taken in 12th grade, he/she has to attend the Admission/Entrance Exam at the University which will include (Missing Subject: Mathematics, Biology, Chemistry/Physics) and is equivalent to EmSAT subjects as per MOE guidelines.
- Passing a personal interview set by the College in addition to other conditions of admission set by the university. English language requirement validity: Please note that the validity of TOEFL paper-based test, TOEFL IBT, TOEFL CBT & IELTS is two years only and for EMSAT English score is 18 months and these scores should be valid at the time of Admission process to join any of our programs.

8.3 How to Apply

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

8.3.1 B.Pharm

Each applicant must complete the online application form available on the University Website:

www.rakmhsu.ac.ae.

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



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

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

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

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

8.3.2 Admission Procedure

The following steps will be followed for admissions (B.Pharm) to the program for Sept 2024 session:

1. From the online applications received, after evaluating the 12th grade marks as per the admission requirement, students will be shortlisted based on the marks of 12th grade submission and along with English language requirements. A provisional offer letter will be issued to the student asking to remit the seat reservation fee to block the seat for the programs. Once the student has paid the seat reservation fee, based on the documents submission through online form, the student are required to do as per the clause mentioned in (A.1.1).



2. The Personal Interview, which is a must for All the students, the interview will be conducted virtually through google meet or Zoom software. Admissions Committee consists of Dean of respective College & a panel of one or two Senior Faculty Manager Admissions & Marketing.

3. Grade 12 results are declared for various Boards of study in UAE at different timings in 3 phases- starting ends of May, mid of June and first week of July. Therefore, interviews will be conducted from June onwards every week until seats are full.

- The admission will be based on the MOE Guidelines.
- Candidates who are selected for admission, after the Personal Interview will receive the Provisional Offer letter by email from the University within 2 days with a timeline for acceptance and confirmation by payment of the balance fees. If the candidate is accepting the offer of admission, he/she must comply with all the requirements specified in the Provisional Offer Letter including submission of required documents and payment of fee on or before the stipulated date mentioned in the Provisional Offer Letter. If the candidate does not respond within the deadline mentioned, the provisional offer automatically expires, and the seat is allotted to the next candidate in the waiting list.
- On compliance with the above including payment of requisite fee, the candidate will receive a registered Student ID number on email and due intimation from the University regarding further details on the Freshman Orientation Program.
- Applicants should strictly adhere to the deadlines indicated for admission, submit online applications on time and upload important document copies mentioned such as grade sheets/transcripts, EmSAT/IELTS/TOEFL scores etc and ensure application is fully completed before they click the submit button.
- Once the seats are full, the remaining candidates who have qualified after personal interview will be waitlisted.
- Waitlisted applicants and late applicants can be considered for admission if seats are still available for that program, within registration deadlines.
- Admission of students are subject to the compliance of all requirements specified in the SEAT reservation/Provisional/Admission Offer Letter.
- All the documents submitted online by the candidates will be verified with the originals submitted by the candidates during admission and duly returned after verification as per CAA Standards.
- In case of non-compliance with any of the admission criteria/ false documentation submitted, the Admission of the candidate will automatically be cancelled.



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

Note the following points:

- The University reserves the right to refuse admission to any candidate without assigning any reason.
- The decision of the Admission Committee in the matters of admission is final.
- The jurisdiction in respect of all legal matters in admission related matters will be at Emirate of Ras Al Khaimah.

8.4 Freshmen Orientation Program

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

8.5 Non- transfer credit for freshmen Admission

If the student is applying as a freshman and has not had his /her previous university course work assessed, the admission office will accept him as a fresh student. The registration office will not be able to consider any requests to transfer credits from previous university.



9. Registration

9.1 Registration

All students, whether in undergraduate programs, must register at the beginning of each semester. Registration Office will notify newly admitted students about the registration date and time.

For students in their second year and beyond, registration is done by their respective college. These students must pay their fees by the deadline and complete their registration with their faculty coordinators & the registrar's office. If a student fails to register on the specified date, they will not be allowed to attend classes and will lose university privileges. A late registration fee will apply.

If you cannot register on the designated date, notify the registration and your dean immediately, explaining the reason for the delay. The Dean may grant an exemption from attendance during the delay, based on individual circumstances and inform the registration office with his decision.

9.2 Recognition of Prior Learning (RPL)

Recognition of National Service: Students who have completed national service may count their experience towards fulfilling the requirements for Emirati Studies and Islamic Studies. This can be in the form of credit equivalents or Recognition of Prior Learning (RPL).

Verification and Implementation: The above guidelines should be implemented after verifying the "Original National Service Certificate". Once verified, please communicate the information to the Registration and Assessment Offices after completing the admission process.

9.3 Credit Hours

At RAKMHSU, courses are measured in credit hours. Each course is assigned a certain number of credits, which are awarded upon completion. Here's how the credit hours are calculated:

One credit hour equals:

- One hour of lecture per week for 15 weeks.
- Two hours of tutorial or laboratory work per week for 15 weeks.
- Two hours of Problem-Based Learning (PBL), Case-Based Learning (CBL), or Team-Based Learning (TBL) per week for 15 weeks.
- Four hours of clinical teaching in the hospital per week for 15 weeks.
- For MS Clinical Pharmacy clinical rotations,
- One week of rotations (40 hours) equals 0.5 credits.



9.4 Student Records & Information Release guidelines.

RAKMHSU maintains student records to provide educational and personal services while ensuring confidentiality. This policy outlines student rights to inspect and review their records, the circumstances for releasing records to third parties, and procedures for correcting inaccuracies.

Access to Records: Students can review their records with a university representative present. Requests to view records must be submitted in writing, including the student ID, and the university will respond within one week. A fee may apply for copies of records. Access may be denied if there are administrative holds or if records contain confidential information about other students.

If a student believes a record is inaccurate, they can request an amendment. The department head will review and amend the record if necessary or inform the student of their right to a hearing.

Identification, Description, and Location of Records: after the admission process is done, the student records will be maintained by the registrar's office. Requests should be directed to the admission & the registrar's office, for the specific records.

9.4.1 Academic Records with the Office of Admissions & Registration: The master file, including admission documents, academic progress, and miscellaneous documents, is maintained in fireproof lockers. Soft copies are kept in the university management system with regular server backups.

9.4.2 Academic Records with the College or Department:

These include grade sheets, advisor notes, and course materials. Contact the Dean of the College or the Dean of Examinations for these records.

9.4.3 Financial & Administrative Records:

The Finance Department handles billing and financial aid records, while the Administration Department manages student IDs, health insurance, and visas. Requests should be directed to the respective offices.

9.4.4 Student Record Retention & Disposal:

Student records are retained for 50 years post-graduation. After this period, physical records are destroyed, but scanned copies are kept for an additional 50 years.

9.5 Withdrawal Guidelines

General: Before withdrawing, students should consult their Academic Advisor and Dean to explore other options. Withdrawal should be a last resort.

Withdrawal Procedure:



1. **Consultation:** Before deciding to withdraw, students should consult their Academic Advisor and Dean to explore alternative options.
2. **Forms and Certificates:** Complete the Withdrawal Form and the No-Dues Certificate, ensuring signatures from the concern department heads. Then submit this form and the certificate to the registrar's office to proceed.
3. **Refund Eligibility:** If the withdrawal occurs within the refund period for the semester, you will receive a refund. If it is outside this period, no refund will be given.
4. **Financial Clearance:** Ensure all financial dues are cleared before the withdrawal is processed.
5. **Withdrawing from Courses:** As per the Catalogue, registration for all courses listed in the semester is mandatory. Therefore, you must withdraw from all courses in a semester and not just a few.
6. **Academic Record:** Upon withdrawal, no grades will be given for the courses you are withdrawing from, and your academic record at RAKMHSU will be closed. You will also lose access to the university management system.
7. **Transcripts:** You are eligible to receive a transcript and a good standing certificate for the courses you have completed.

9.6 Re-Enrolment Guidelines

This process applies to students who have previously attended RAKMHSU but have been withdrawn for a specific duration.

9.6.1. Eligibility for Re-Enrolment

Students who have withdrawn or have been absent from their studies may apply for re-enrolment. They must:

Meet the current admission requirements.

Meet any additional criteria specified by their respective programs.

They didn't exceed 2 semesters of absence.

9.6.2 Application Process

Students must submit a re-admission application through the RAKMHSU official application portal. Application deadlines and specific procedures must be followed to ensure timely processing.

9.6.3 Approval Process

Re-enrolment is subject to approval by the relevant college, the Admission and Registration management. This may involve a review of the student's previous academic performance and the



reasons for their initial withdrawal. The request must be approved by the student's Advisor, College's Coordinator, and the Dean of the College, and a copy of the approved request will be forwarded to the Registrar's Office.

9.6.4 Financial and Academic Standing

Students must clear any outstanding financial dues and ensure their academic record is in good standing to be considered for re-enrolment.

1. Program Requirements

Students may be required to comply with new or updated program requirements. This could include taking additional courses or fulfilling new prerequisites to align with current academic standards.

2. Documentation

Students need to provide necessary documentation, such as a statement of purpose for re-enrolment, academic transcripts, and any other relevant certificates. This documentation supports their application and explains their intent and readiness to resume studies.

3. Outcome and Notification

After the review process, students will be notified of the decision. If approved, they will receive instructions from the registrar's office on the next steps for re-enrolment. This includes course registration and any orientation sessions that may be required.

9.7 Postponement of Study/Leave of Absence

Students needing to postpone their studies must submit a request to the Office of the registrar. Postponements can last up to one academic year. Leave of absence for personal reasons requires approval from the Dean and must be requested in writing. Medical leave requires additional steps and approval. Attendance requirements must still be met.

9.7 Transfer of Credits from Other Institutions

- RAKMHSU accepts transfer students from accredited institutions subject to seat availability. The student will need a Cumulative Grade Point Average (CGPA) from their previous institution of at least 2.0 (on a 4.0 scale) or its equivalent. Requests for transfer admission must meet specific criteria and deadlines. Transfer credits are limited and subject to evaluation.
- Before a student's transfer decision is confirmed, the student must submit all official transcripts and any other relevant documentation for the course work they have completed at a previous university that may be eligible for credit transfer.



- The transcript will be carefully reviewed by the college's academic evaluation committee prior to the final transfer decision being made. It's important to note that any courses that were not officially assessed and authorized for credit transfer during the pre-admission process will not be eligible for credit transfer later on.

9.8 Students' Transfer Process

1. Submission of Documents:

- The student should submit the following documents to the admission office, and the admission office will verify and Ensure initial eligibility criteria are met:

Academic Documents (required from all applicants):

- Official transcripts as well as official copies of the course outline or syllabi from the previous institution.
- Final Grade reports of Grade 12
- Ministry of Education Equivalency letter is required from all students who completed their secondary education in non- UAE governmental systems, i.e. American, British...
- EmSAT- English or equivalent.
- The admission office will forward the verified application to the Registrar's Office.
- The Registrar's Office Confirms eligibility, checks for any missing information and send the application to the college dean.

2. Evaluation of Transcripts:

- The college dean forms a committee to review the application.
- The college's academic evaluation committee will carefully review your official transcripts before making the transfer decision.
- Please note that any classes or coursework not assessed and approved for transfer credit during this pre-admission process will not be eligible for transfer later.

3. Approval and Communication:

- The final decision on acceptance, conditional acceptance, or rejection will be taken by the Vice President of Academic Affairs.
- Once the academic evaluation is completed and the study plan is approved by the Vice President of Academic Affairs and the College Dean, you will be contacted by the



registrar's office and you will receive an acceptance letter based on the approved study plan.

- After issuing your acceptance letter you will be receiving your fee advising letter from the admission office, and they will guide you on how to complete your admission.
- To finalize the registration the student should pay the required fees.

And Complete the Admission Process.

4. Qualifications from previous professional universities:

Students should be aware that transferred credits may not exceed **50%** of the total credential program credit and the grades the student obtained in transferred courses do not enter into the student's GPA calculation at RAKMHSU.

9.9 Transfer within the university- Changing Program

The students are allowed to be transferred from one program to another only if they are eligible and meet the admission criteria at the admission time of the new program.

9.10 Transfer Credit Requirements for Postgraduate Programs

Master's program transfers follow similar procedures as undergraduate transfers, with additional criteria for credit transfer which is 50% of total credits or equivalent. Detailed procedures and requirements are outlined for both inter-university and intra-university transfers.

All participants must provide their official documents before the expected date of Enrollment:

Eligible Institutions:

Credits must be earned at the postgraduate level from a federal or licensed institution in the UAE or a recognized foreign institute of higher education.

Credit Hour Requirements:

The course credit hours to be transferred must be equivalent to the credit hours of the corresponding courses at RAKMHSU.

Maximum Transfer Credits:

The maximum approved transfer credits for a postgraduate degree program must not exceed 50% of the total credit hours.

Exclusion of Thesis Work:

Credits transferred can't be considered for thesis work.

Final Decision Authority:

The final decision on the eligibility of transferred credits is at the discretion of the Vice President of Academic Affairs and the College Dean.

Required Documentation:



Official transcripts and official course syllabi from the previous institution must be sent to the registration's Office to process requests for the transfer of credits. Courses taken outside the UAE are subject to the UAE Ministry of Education's approval before the credits can be transferred.

9.11 The Duration of Study

The Duration of Study for a student enrolled in a credential program is a maximum of four semesters. (Two Years)

The student must complete his/her studies within this period to be eligible to graduate.

National service period is not counted within the program duration.

A student will be subject to dismissal upon academic grounds if he/she exceeds the Duration of Study without being granted an extension.

A student with extenuating circumstances that will require him or her to exceed the Duration of Study may apply for an extension, and, if approved, the extension period begins in the semester immediately following the end of the normal Duration of Study. A student may apply for an extension only once or based on the university decision. The Duration of Study period allowed for inter-institution transfer students is decided on an individual basis.



10. Financial Information

The University reserves the right to increase 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 future students.

The following fee structure is applicable for the new intake students of 2024-25 registered in various programs at RAKMHSU:

10.1 - 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	First year and Transfer students
3	Lab and Library Fee (per annum)	1,000	-
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	B. Pharm	20,500	After applying concession on the declared fee of AED 27,500 per semester

iii) Exam Fees:

S.No	Program	Amount (AED)
1	B. Pharm (per semester)	1500

iv) Other Fee:

S.No	Fee Details	Amount (AED)	Applicable to
1	Late Registration Fee (per semester) *	500	Students registered after the due date
2	Industrial Training Fee	15,000	B.Pharm (Semester IX)
3	Convocation Fee	1,500	Final Year students
4	Cheque Bounced Charges *	500	For each instance

* Including 5% VAT



v) Optional Fee:

S.No	Fee Details	Amount (AED)
1	Examination Paper Review per course	200
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	Logbook Fee (additional) *	50
7	Additional Transcript Fee *	30
8	Student Permanent Academic Record / Degree Verification *	300
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) per course	400
17	Transport Charges (Dxb/Shj-RAKMHSU) (One-way / per trip)	50
18	Health Insurance Fee per annum * (Non-Emirati students)	2,400

* 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 a minimum of 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%.

Optional fees such as Visa, Health Insurance, Transport 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.

Students will be given credit only for the Net Amount Credited into RAKMHSU bank account.

10.2 Concession in Tuition Fee

The university has already given a maximum discount against the declared tuition fee; therefore, no merit scholarship will be given during Year 1.

Subsequently, a student who secures annual Grade Point Average of 3.8 or above on a 4.0 scale in the year end exams and studied all courses without any exemptions, will be entitled for a 15% concession in the tuition fee for the following year. Merit scholarships will be given based on annual GPA and not on a semester GPA

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

10.3 Tuition fees for Readmitted, Repeaters and Transferred Students:

Readmitted. repeaters or students transferred from another institution who are not required to take all courses of the semester shall only pay fees on a pro rata basis according to the total number of



credits in the courses they are required to take in that semester. For all the following years/semesters, full semester fees will be applicable.

10.4 Eligibility for registration of students:

- a) Students are deemed eligible for registration upon successful completion of, and meeting, all the examination criteria for promotion to the subsequent semester or year of study.
- b) Payment of fees alone does not guarantee promotion to the subsequent semester or year of study.
- c) If a student is found ineligible for promotion, any fees paid in advance for the next semester or year will be adjusted against the fees for repeating the course or semester.
- d) If a student is found ineligible to continue their studies or withdrawn from the program, any fees paid in advance for the subsequent semester or year would be eligible for a full refund

10.5 Registration of Students:

- a) Registration of students is deemed complete upon confirmation of admission by the University in accordance with the admission letter, along with payment of all fees for the respective semester.
- b) Students will be permitted to pay fees in two installments per semester. To finalize the registration process, a post-dated cheque for the second installment must be submitted along with the first installment on or before the registration date.
- c) Students who have not paid their respective semester fees in full or provided the post-dated cheque for the second installment (as applicable) will not be registered in the University Management System (“**UMS**”).
- d) Should a post-dated cheque bounce, the University shall have the right to: (i) Charge an administration fee of AED 500, (ii) Suspend the student's attendance to classes and impose an academic break, and (iii) Freeze the student's access to UMS until the outstanding fees are paid in full.



10.6 Late Registration Fee:

- a) After the expiration of the registration deadline, students will have a grace period of five working days to complete their registration and settle all outstanding fees. A late registration fee of AED 500/- will be applicable during this period.
- b) Students will not be permitted to enroll or have access to the UMS after the expiration of the late registration period.
- c) Attendance will only be recorded for students in the UMS from the date when all financial obligations to the University have been settled.
- d) Students are advised to pay the fees on time to avoid any complications such as invalidation of attendance, ineligibility for examinations, loss of a semester or academic year, etc. Additionally, students should immediately inform the Dean of their respective College about any delays in registration.

10.7 Consequences of non-registration:

In the event of non-registration after the expiration of the late registration date, the following actions will be taken unless the University grants special approval to continue attending classes:

- a) Suspension of the student's official University email ID.
- b) Suspension of the student's name from clinical clerkship rotations, where applicable.
- c) Suspension of the student's access to the UMS portal.

10.8 Seat Reservation & Fee Refund Policy

Seat Reservation Policy:

Particulars	B.Pharm
Seat Reservation Fee in AED	3,000
Refund for Seat Reservation fee	No Refund



After FINAL 12th grade results are declared, students have to pay all the required fees of the 1st semester as mentioned in their offer letter.

A refund request can be made by the student and the below Refund timeline will be applicable of all the fees.

Fee Refund Policy:

Refund Timeline	Admission & Application fee	*Seat Reservation fee (part of the Tuition fee)	Tuition Fee	**Other fees
Before 31 st July 2024	x	x	50%	✓
From 1 st Aug 2024 to first day of Class	x	x	25%	✓
After first day of Class	x	x	x	✓

(x - Non - Refundable) (✓ - Refundable)

Note:

1. Admission & Application fee once paid are non-refundable.
2. *Seat Reservation fee (**a part of tuition fee which is to reserve the seat**).
3. Refer the above Refund timeline for the Tuition fee refund.
4. **Other fees include (**Exam fee, lab & library fee, Health Insurance fee, Transportation fee, Visa fee, Visa security deposit fee**) once paid are refundable in case of withdrawal.
5. In case of student visa rejected by the UAE Immigration dept, an amount of AED 500/- will be deducted from the visa fee and the balance fee will be refunded to the student and the visa security deposit fee will also be refunded to the student.

10.9 Refund of Transport Fee:

Students who decide not to avail themselves of 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.

10.10 Policy for Cheque Bounce

a) In case of cheque bounce, the respective student will be liable to pay a fine of AED 500/- [Applicable on each such occasion] to the University and in addition to the fine, the entire fee dues must be cleared within five University working days from the date of cheque bounce. In case of any further delay in settling the fee dues, appropriate LEGAL ACTION will be initiated as per the UAE laws.



b) Such student/parent/guardian/sponsor whose cheque/s has bounced will forego the opportunity of payment/s through cheque/s and henceforth for the remaining semester/s, they will pay by CASH [UAE Dirham] only.

10.11 Student Residence Facility:

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

10.12 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.

10.13 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.



11. Students' Affairs

11.1 Students' Rights and Responsibilities

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

- The University ensures academic freedom of the students and fosters intellectual development in an atmosphere of active engagement in the educational process, and encourages free discussion, free inquiry and free expression regarding issues within the domain of the course or program are encouraged.
- Students are evaluated on the basis of their academic and clinical performance.
- Information obtained from students in the course of counseling, teaching or advisory meetings shall be confidential except under exceptional circumstances. Such circumstances include situations where there may be potential harm to another individual, faculty member may be prevented from fulfilling his/her responsibility or when the safety of the society or the reputation and integrity of the University is at stake.
- Students have freedom of speech and expression, so long as it does not violate laws of the country, rules, policies and procedures of the University, or adversely affect the function of the University or any member of the university community.



- Publications by Official Student Bodies have editorial freedom but shall be subject to review Faculty Advisors. Posters and other similar written notices must be registered with the Office of Student Affairs, before it is to be distributed or displayed in locations designated for such purposes.
 - Students should use information technology in keeping with the regulations of the University.
 - The students are encouraged to express their views through established channels, on issues of College/University policy and on matters of general interest to the student body.
 - Official records of students are held in confidence by the University. Students have access to their records by submitting a written request. Student records are available to the Faculty Advisor, Dean, and Department Chairperson on request.
 - Photo identification cards are issued free of charge to all new students during orientation week.
 - Identification cards must be worn at all times and shown on request to university authorities. Students should report lost cards to the Office of Finance and Administration and obtain a replacement, by paying a fee.
 - All health science professionals shall be groomed and dressed in a manner which will help them to attract respect from their patients and society in general. Detailed dress code for female and male students is given in the Student Handbook.
- The University encourages scholarly activities among its faculty and students. These include research and participation in conferences and other scientific meetings. However, all such activities should be performed following the regulations of the University.
- Students of RAKMHSU are encouraged to participate in various developmental activities. Students will be nominated for various committees such as Library Committee, Academic Advising Committee, IT Services Committee, Grievance Redressal Committee, Sports and Cultural Activities Committee, etc.

11.2 Academic Support Services

Detailed information is available in Section 6 of the Student Handbook

- The University provides counseling services to help students to overcome obstacles to academic progress, to examine personal and intellectual strengths and weaknesses, and to learn skills which promote personal and intellectual development.



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

11.3 Student Support Services

Please also refer to Section 7 of the Student Handbook

- Learning Skills and Tutorial Programs: The Office of Student Affairs organizes workshops on personality management, time management, test-taking, vocabulary development and stress management.
- Dining Services: The cafeteria is located at the students' center to provide hygienic and cost-effective meals and refreshments to the students throughout the weekdays.
- Residence Halls: Government of Ras Al Khaimah has built state-of-the-art Student Residence facility in American University of Ras Al Khaimah (AURAK) Campus, for the benefit of students pursuing higher education in various institutions located in Ras Al Khaimah including RAKMHSU.
- Sports Complex: RAKMHSU provides the students with state-of-the-art Sports Complex including multipurpose sports hall, outdoors playground, two GYM halls separately for males and females and Students Lounge accommodating various Activity Clubs.
- Social and Cultural Activities: The Office of the Student Affairs organizes, implements and supervises all social, cultural and entertainment programs relating to the students.
- Spiritual Facilities: The University offers separate prayer rooms for men and women.
- Lost and Found: The Office of the Students Affairs facilitates identification and the return of items lost/found within the University. Proper proof of identity and acknowledgment of receipt are needed for the returned property.
- Parking and Transportation: The University provides free car parking slots to the students subject to availability. Students should register their vehicles at the Office of 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 Student Affairs.

- Security: The University provides on campus security, regulates the campus traffic and parking system, and is authorized to enforce all related security regulations on a 24-hour basis
- Student Health Services: Students are eligible for health services through the health insurance scheme in designated hospitals and clinics. Ras Al Khaimah has many pharmacy outlets which offer a full range of medication for health insurance holders.

11.4 Community Engagement

As per the university's Mission statement and the guiding principles, RAKMHSU takes part in all activities that strengthen the University's bond with the local community and the UAE community at large, through contribution to the organization of specific events, participation in activities, or presentation at conferences and seminars. Maintaining interaction in such ways contributes to communicating the RAKMHSU's academic vision of rendering services that benefit the local community as well as reinforcing the important values of cooperation, solidarity, responsibility, self-reliance, leadership, and team-spirit among students, faculty & staff. **With effect from the Academic Year 2023/2024, all students are required to complete at least 40 hours of Community Service to be eligible for graduation.** Students shall be recruited to volunteer through the registration link.

a- For the activities organized by the university/college in collaboration with community partners, the total number of hours served, and the details of the activities will be forwarded to the respective college Dean to be kept in the student's record. In addition, certificates of participation will be issued.

b- For the activities through UAE Volunteering Portal (e.g. Sanid, Red Crescent, Takatuf..), the student will be required to provide the portal records with evidence of the number of hours completed and the details of the activity to be kept in his/her record.

11.5 Student Council

Please see further information in Section 8 of Student Handbook

Students Council is elected at the beginning of every academic year 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.

11.6 University Guide to Student Behavior

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



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

11.7 Academic Honesty

The policy for academic honesty is outlined below:

- All academic work and materials submitted for assessment must be the work of the student.
- Cheating is not only limited to copying from the work of others and providing unauthorized assistance, but also includes the use of devices or other surreptitious means for the purpose of obtaining falsely de-ri-ved passing scores on examinations.



- Students are prohibited from submitting any material prepared by or purchased from another person or company.
- All students are expected to take the process of education seriously and act responsibly. Students who violate University examination rules are subject to disciplinary action.
- If a student is found to be cheating, the following penalties apply:
 - The students will fail the course in which they were found to be cheating.
 - A disciplinary warning will be added to their file.
 - Subsequent episodes of cheating or academic dishonesty will result in dismissal from the University.

11.8 IT Enabled Services and Resources of the University

The IT department aims to:

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

11.8.1 IT Resources

1. RoboCampus - UMS is a Tailor-made ERP System with 14 Number of functional modules to facilitate other 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 of the University.
3. Dedicated Computer Lab with 210 Latest configurations 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

12. 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 Student Affairs shall be made responsibly.

12.1 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.

12.2 Procedures for implementation of grievance redressal

12.2.1 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.



12.2.2 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. The letter shall identify the general nature and circumstances of the grievance.

12.2.3 Students' Grievance Redressal Committee

The Grievance Redressal Committee consists of five faculty members with full-time teaching appointments who are nominated by the President based on the recommendations from the respective Deans. In addition, four students' representatives 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.

12.2.4 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-
- The grievance shall identify the aggrieved party as the "Grievant" and shall name the other party (concerned student, faculty, departments / offices) as the "Respondent".
- Within five working days of receipt of the grievance, the Chairperson shall reply in writing, sending copies of the reply to the Dean and the Grievant. The reply shall set forth with particularity the position of the respondent with respect to each allegation of the grievance.
- If majority members of the Grievance Redressal Committee, after an opportunity for argument by the parties, agrees that for any of the reasons set out in this section a hearing is not warranted, the grievance shall be dismissed, in whole or in part, and the matters dismissed shall be deemed closed.
- On the determination that a hearing is warranted, the Chairperson shall establish a schedule for the hearing. Grievances shall be heard and decided with reasonable dispatch, and ordinarily shall be completed within five working days after the determination that a hearing is warranted. However, due consideration shall be given to the University's normal academic calendar.
- A grievance procedure is not a formal judicial proceeding. Its purpose is to provide a fair evaluation of an allegation that a right or privilege has been violated. In order to achieve that end,



the Grievance Redressal Committee shall have authority to call any material witness who is a member of the University faculty, administration, or staff and any other student who is willing to testify; to question parties and witnesses; to exclude matters it deems irrelevant; to place reasonable limits on arguments, the presentation of evidence, and the questioning of witnesses by the parties.

- The University will make a reasonable effort to facilitate the appearance of all faculty, administration, staff and students reasonably called to testify.
 - The procedure at the hearings shall be informal but shall comply with the requirements of fairness to the parties.
 - A party shall be entitled to inspect and copy, in advance of the hearing, all relevant documents in the control of the other party and not privileged and may offer such documents or excerpts there from in evidence.
 - The parties shall be entitled to present opening and closing statements.
 - If necessary, a tape recording of the hearing shall be made, and one copy shall be kept on file by the University.
 - At the conclusion of the presentation of evidence and argument from both sides, the Committee shall convene a closed session to deliberate and reach a decision.
 - In rendering its decision, the Grievance Redressal Committee shall determine whether the Grievant has established by clear and convincing evidence that he or she has suffered a substantial injury.
 - The Grievance Redressal Committee shall render its findings and recommendations in a written opinion that shall state the number of members subscribing to the opinion, and shall include dissenting opinions, if any. This opinion shall be submitted to the Chair of the Grievance Redressal Committee, and copies shall be transmitted to the parties and to the Dean of the College.
- a) Final Disposition the Grievance Redressal Committee shall discuss its findings with the President and the final decision shall be implemented by the University upon discussion with the President.
- b) Dismissal of a student for adequate cause Apart from Academic Dismissal, which is explained in detail in the Catalog (**Section 15**), the student may be dismissed from the university on his/her misconduct either with his/her fellow students/staff, or on any other ground which the university deems necessary. A formal proceeding shall be initiated before such dismissal.
- c) Commencement of Proceedings



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



13. RAK College of Pharmacy

13.1 Bachelor of Pharmacy Program (B Pharm)

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

13.2 Goals & Objectives

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

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

- Provide a comprehensive pharmaceutical education leading to B. Pharm Degree.
- Prepare for an evidence-based pharmacy practice in the changing health care environment of the 21st Century.
- Integrate pharmaceutical sciences with Pharmacy Practice to enable the students to apply their knowledge to health care.
- Impart pharmaceutical knowledge with skills to enable the students to deliver efficient pharmaceutical care.
- Develop a professional and compassionate approach in the implementation and management of healthcare.
- Provide a practice and community-based pharmacy education program.
- Prepare pharmacists who can function effectively in the multidisciplinary health care system.

13.3 Program Learning Outcomes (PLOs)

A. Knowledge

1. Describe the required knowledge of Pharmaceutical Sciences, Administrative and Practice related components to formulate evidence-based care plans to offer enhanced patient care.
2. Illustrate the scientific basis of health, disease, and treatment of common medical conditions in society, accommodating the local cultural values, beliefs and practice.



3. Integrate the pathological, genomics and molecular basis of disease modalities to diagnose common conditions and recommend prescribing the most effective and safest treatment for the patient.
4. Describe the synthesis, extraction, formulation, analysis, therapeutic efficacy and safety of pharmaceutical agents, including cosmetics and herbal medicines to promote health, wellness and preventive care.
5. Recognize the ethical principles, practice standards and their implications in different practice settings.

B. Skills

6. Apply the various concepts and components of foundational, pharmaceutical, and clinical sciences in different practice settings such as community, hospital and industry.
7. Apply the knowledge of pharmaceutical sciences for optimal utilization of drugs by solving therapeutic problems of patients accurately.
8. Communicate effectively using appropriate language skills and processes with patients, their caregivers, and healthcare providers.
9. Demonstrate emotional self-awareness and empathy to address patient's problems considering individualized care plans and assessments.
10. Educate patients to empower and motivate them to adopt health-promoting behaviors.
11. Implement appropriate research tools, strategies, scientific evidence, and new information associated with the practice of pharmacy in different practice settings
12. Interpret various scientific literature, pharmaceutical calculations, and pharmaceutical care services ethically and professionally.
13. Utilize information technology, artificial intelligence, human and physical resources to solve complex and unpredictable problems to provide patient-centered pharmaceutical care services, and optimize the medication use systems.
14. Design different pharmaceuticals, including herbals and cosmetics, considering the latest standards and technology.



C. Competence

C1 Autonomy & Responsibility

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

C2 Role in context

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

C3 Self-Development

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

14.4 The Curriculum

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

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

In the 2nd year (3rd and 4th semester) of the program, students will be exposed to courses like Pharmaceutical Microbiology, Pharmacology & Therapeutics-1 & 2, Pharmaceutical Analysis-2,



Pharmaceutics – 1 & 2, Biochemistry & Clinical Chemistry, Introduction to Social Pharmacy, Introduction to Pharmacy Practice, Biostatistics & Research Methodology, Pharmacy Laws & Ethics and Pharmacy Practice - 1.

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

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

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

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

14.5 Instructional Methods Based on the Learning Outcomes

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

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

14.6 Hospital Facilities for Clinical Teaching for Pharmacy Students

RAKMHSU uses the facilities of Sheikh Saqr Hospital, Ibrahim Bin Hamad Obaidallah Hospital, Fujairah Hospital, Abdullah Bin Omran Hospital, RAK Hospital, and Sheikh Khalifa General Hospital, Umm Al Quwain for teaching, training and research-related activities for the students. In addition,



the university also utilizes various primary health centers available in Ras Al Khaimah under the ambit of RAK Medical District for teaching and training 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 in the UAE. The hospital has 320 beds and seven operating theaters. The specialties available are General Medicine with subspecialties of B Pharm Degree Program Gastroenterology, Neurology, Rheumatology, Nephrology, Cardiology, and Psychiatry. General surgery has subspecialties in vascular surgery, minimally invasive surgery, plastic surgery, pediatric surgery, and neurosurgery. The Obstetrics and Gynecology department has 100 beds. There are 40 beds in the Pediatric wing with a pediatric ICU (PICU). The neonatal intensive care unit (NICU) has 22 beds with eight ventilators. The 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/MD students' teaching and clinical training beginning September 2018.

Additionally, the university has an MOU with RAK Hospital, a multispecialty hospital located in RAK, United Arab Emirates. The specialties available are general medicine, surgery, pediatrics, cardiology, gastroenterology, pulmonology, urology, neurology, gynecology, dermatology, psychiatry, etc. In addition, the other available facilities include 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 Specialty Hospital, Ras Al-Khaimah, a 246-bed tertiary care hospital with inpatient care and several outpatient clinics. It mainly focuses on three medical specialties: Oncology, Cardiovascular, and Neuroscience RAKMHSU also has an MOU with Sheikh Khalifa General hospital, Umm Al Quwain a 195-bed capacity hospital, including 15 intensive care unit (ICU) beds, 18 neonatal intensive care unit (NICU) beds, 14 beds in Royal / VIP suites); 6 labor rooms



13.7 Assessment, Evaluation, Grading and Promotion

Students will be assessed continuously through written tests, Mid Term Assessments (MSA), team-based learning (TBL), Group presentation, and end semester examinations. The continuous assessment components for each course will contribute to 60% of the marks and the comprehensive examination will contribute to the remaining 40% of the marks.

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

13.7.2 Theory

Theory	Practical
<p>Continuous Assessment - 60%</p> <ul style="list-style-type: none"> ▪ Written Test* / Presentation/ Seminar* ▪ Mid Term Assessment ▪ Team Based Learning (*TBL) ▪ Group presentation 	<p>Continuous Assessment - 60%</p> <ul style="list-style-type: none"> ▪ Daily Assessment ▪ Lab Report ▪ Mid Term Assessment
<p>Comprehensive Examination - 40%</p> <ul style="list-style-type: none"> ▪ MCQs 100% 	<p>Comprehensive Examination - 40%</p> <ul style="list-style-type: none"> ▪ Objective Structured Practical Examination (OSPE) / Objective Structured Clinical Examination (OSCE)

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

13.7.3 Examination Schedule (B. Pharm)

Semester	Courses	Time of Examinations
2	English	End of 1 st Semester
	Health Sciences Communication in Arabic	
	Foundations of Pharmacy	
	Human Anatomy	
	General Chemistry for Pharmacy	
	Information Technology for Pharmacy	
	Emirates Society	



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



	Advanced Practice School - Hospital Pharmacy and Drug Information	
	Advanced Practice School – Electives	

13.8 Study Plan

Total Credits: 160

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

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

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

Semester – 4			
Course Code	Course Title	Credits	
		Theory	Practical
PBR 402	Biostatistics & Research Methodology	2	0
PPT 424	Pharmacology & Therapeutics – 2	3	1
PPA 423	Pharmaceutical Analysis – 2	2	1
PPH 423	Pharmaceutics – 2	2	1



PLE 402	Pharmacy Laws & Ethics	2	0
PPP 413	Pharmacy Practice -1	2	1
Total Credits		17	

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

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

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

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



PSI 802	Practice School - Industry	0	2
Total Credits		17	

Practice School - Hospital

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

13.9 Practice School (B Pharm)

Practice School (PS) is a training phase where graduates are expected to engage in the actual practice of pharmacy and health care. Under the supervision of qualified preceptors, they acquire the necessary skills, preparing them to function effectively and independently in their field.

- All parts of the practice school (PS) shall be done in approved teaching hospitals, Primary Health care centers (PHCs), Community pharmacies and the pharmaceutical industry.
- Every candidate will be required to undergo compulsory rotational PS to the satisfaction of the University regulation in the 8th and 9th semesters to get the Practice School Completion Certificate from the Office of the Dean.
- Students will come back to the university after the rotation in Hospital/Community/Industry for review and reporting to the faculty
- The Practice School student shall be entrusted with the responsibilities under the direct supervision of a senior pharmacist/consultant. They shall not be working independently.



13.10 Practice School Advisory Board (PSAB)

The Practice School Advisory Board consists of seventeen members, including the President and Vice President-Academic Affairs as special invitees.

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

Responsibilities

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

13.10.1 Committee Members

External members		
1.	Dr. Lana Hammad	Head of Pharmacy, Skeikh Khalifa Hospital UAE
2.	Ms. Rasha Ahmed	Senior Technical Training Manager Gulf Pharmaceutical Industries (Julphar)
3.	Ms. Rasha Mohsen	Scholarships Manager



		Sheikh Saud bin Saqr Al Qasimi Foundation for Policy Research, Ras Al Khaimah
4.	Dr. Arwa Monassar Ali Al Nahdi	Head of Pharmacy Department, Obaidallah Hospital.
5.	Dr. Abeer Alhammadi	RAK PHC Pharmacist In-charge, Ras Al Khaimah
6.	Dr. Rawad Hodeify	Department Chair / Associate Professor - Medical Biotechnology, AURAK
7.	Mr. Alaa Mhanna	Arab Bank
8.	Mr. Malik Metahri	Chief Technical Officer, Julphar
Special invitees		
9.	Dr. Prof. Ismail Matalka	President, RAKMHSU
10.	Prof. Ali Hasan Shibli Hajeer	VP, Academic Affairs
Internal Members		
11.	Prof. Mohamed El-Tanani	Dean, RAKCOP & VP Research (Member Secretary)
12.	Dr. Sathvik B.Sridhar	Professor & Associate Dean
13.	Dr. Bhoomendra Bhongade	Professor & Chairperson, Pharm. Chemistry
14.	Dr. Shahnaz Usman	Professor & Chairperson, Pharmaceutics
15.	Dr. Syed Arman Rabbani	Chairperson In charge & Associate Professor (Invitee)
16.	Dr. Tarun Wadhwa	Associate Professor (Invitee)

13.10.2 Practice School (PS) Objectives:

At the end of the Practice School Training, the student will be able to have the necessary knowledge and skills in the areas of Hospital, Community Pharmacy and Industry.

13.10.3 Hospital

Advanced Practice School - Internal Medicine

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, and pathophysiology of common disease conditions encountered in patients admitted to internal medicine



	department.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in in patients admitted to internal medicine department.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment patients admitted to internal medicine department.
4.	Display the knowledge of drug -related problems and patient education points and provision of pharmaceutical care services to general medicine patients.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in internal medicine settings.
6.	Formulate the implementation of pharmaceutical care plans with documentation for patients admitted to the internal medicine department in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in internal medicine settings.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in internal medicine setting as a member or leader of an inter-disciplinary health care team or other professional groups
C2	Role in Context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient - focused care to patients admitted to internal medicine department from various socio-economic and cultural backgrounds individually and collaboratively with other healthcare team
C3	Self-Development



- | | |
|-----|--|
| 10. | Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plan s through evidence -based decisions in patients admitted to internal medicine department. |
|-----|--|

Advanced Practice School - Internal Medicine Specialty

Learning Outcomes

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

A Knowledge

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

B Skills

- | | |
|----|---|
| 5. | Develop pharmaceutical care plan for the treatment of various diseases in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics. |
| 6. | Formulate implementation of pharmaceutical care plans with documentations in internal medicine specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics in an ethical and professional manner. |



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

Advanced Practice School - Hospital Pharmacy and Drug Information

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Explain the organizational structure of hospital pharmacy
2.	Comprehend the different roles and responsibilities of a hospital pharmacist
3.	Describe the different inpatient and outpatient hospital pharmacy services provided by pharmacist
4.	Discuss the standards of practice for drug information services
B	Skills
5.	Use electronic medical records and medication administration records to analyze patient information and resolve drug related problems



6.	Perform various hospital based pharmaceutical care services like optimizing medication regimens, patient education and counselling, medication review, adverse drug reaction and drug interaction monitoring in an ethical and professional manner.
7.	Develop a systematic approach for answering drug information queries.
C	Competence
C1	Autonomy and Responsibility
8.	Execute activities within a typical hospital drug distribution system with other members, including order receipt, evaluation and review and describe the appropriate roles of assistant pharmacists and pharmacists in these processes.
C2	Role in Context
9.	Comply with local, national and relevant international regulations, guidelines, moral and ethical codes governing the practice of hospital pharmacy and drug information services.
C3	Self-Development
10.	Take initiatives for self -development by effective verbal interactions and written communications with staff, patients and other health care team members in the practice area

Advanced Practice School – Electives

APSH 952-1 Geriatric Medicine:

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Apply the knowledge of appropriate drug therapy, etiology, the pathophysiology of common geriatric disease conditions
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in geriatric patients.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in geriatric patients.



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

APSH 952-2 Obstetrics and Gynecology:

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, the pathophysiology of common diseases of female reproductive system as well as of pre- and post-natal



	conditions.
2.	Demonstrate the understanding of various disease conditions and make timely decisions regarding treatment plans in female patients with reproductive system diseases and during pre- and post-natal conditions.
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence-based medicine for improving treatment in female patients with reproductive system diseases as well as pre- and post-natal conditions.
4.	Display the knowledge of drug-related problems and patient education points and provide pharmaceutical care services to female patients with reproductive system diseases as well as in pre- and post-natal conditions.
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in Obstetrics and Gynecology setting.
6.	Formulate implementation of pharmaceutical care plans with documentations in female patients with reproductive system diseases as well as in pre and post -natal conditions in an ethical and professional manner.
7.	Manage clinically significant adverse drug reactions and drug interactions in female patients with reproductive system diseases.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in obstetrics and gynecology setting as a member or leader of an inter -disciplinary health care team or other professional groups
C2	Role in Context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient-focused care to female patients with reproductive system diseases as well as in pre and post-natal conditions from various socio-economic and cultural backgrounds individually and collaboratively with other healthcare team members.



C3	Self-Development
10.	Solve medication or treatment -related problems independently and develop appropriate pharmaceutical care plans through evidence-based decisions in female patients with reproductive system diseases as well as in pre- and post-natal conditions.

APSH 952-3 Ophthalmology:

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



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

APSH 952-4 Surgery:

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Exhibit the knowledge of appropriate drug therapy, etiology, and pathophysiology of common conditions requiring surgical intervention.
2.	Demonstrate the understanding of the medications involved with a surgery related pharmaceutical care service with emphasis on antibiotic therapy, nutritional support, and pain management
3.	Relate the comprehensive knowledge of clinical guidelines, rational drug use, and evidence -based medicine for improving treatment in patients requiring surgical intervention.



4.	Display the knowledge of drug - related problems and patient education points and provide pharmaceutical care services to surgery patients
B	Skills
5.	Develop pharmaceutical care plan for the treatment of various diseases in ENT setting. Calculate doses for medications used in patients requiring surgical intervention with emphasis on antibiotics and pain relievers.
6.	Manage clinically significant adverse drug reactions and drug interactions in patients admitted in surgical wards.
7.	Develop pharmaceutical care plan for the treatment of various diseases in ENT setting. Calculate doses for medications used in patients requiring surgical intervention with emphasis on antibiotics and pain relievers.
C	Competence
C1	Autonomy and Responsibility
8.	Work effectively with others in surgery setting as a member or leader of an interdisciplinary health care team or other professional groups
C2	Role in Context
9.	Recognize the role of clinical pharmacists in providing empathetic and patient - focused care to surgery patients from various socio -economic and cultural backgrounds individually and collaboratively with other healthcare team members.
C3	Self-Development
10.	Solve medication or treatment-related problems independently and develop appropriate pharmaceutical care plans through evidence -based decisions in patients requiring surgical intervention.



APSH 952-5 Nutrition:

Learning Outcomes

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

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



10.	Solve nutrition-related requirements and problems independently and develop appropriate care plans through evidence -based decisions in nutrition setting.
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13.10.4 Community Pharmacy

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Differentiate the procedure for dispensing Over the Counter (OTC) medications, Pharmacist only Medications (PhOM), and Prescription only Medications (POM)
2.	Describe the process of patient counseling for common ailments, their management and different systems for the storage, dispensing, inventory control, accounting, and bookkeeping of medications
3.	Demonstrate familiarity with different health screening services, domiciliary and medication therapy management services provided in pharmacies
B	Skills
4.	Exhibit professional dispensing and counseling skills while interacting with patients Resolve different drug -related problems in prescriptions
5.	Compare generics versus brands with respect to OTC medications, available strengths, dosing information, adverse drug reactions, and DDIs
6.	Apply the knowledge in ordering, purchasing and storage of controlled, semi - controlled and other medications in pharmacy
7.	Exhibit professional dispensing and counseling skills while interacting with patients Resolve different drug -related problems in prescriptions
C	Competence
C1	Autonomy and Responsibility
8.	Appraise the ethical laws, policies, and procedures for dispensing OTC medications, prescription -only medications, pharmacist only medications, and controlled



	substances as per MOH guidelines
C2	Role in Context
9.	Work effectively with the others in the community pharmacy setting as a member or leader and exhibit excellent personal, interpersonal, and teamwork skills
C3	Self-Development
10.	Solve medication -related problems to make appropriate pharmaceutical recommendations in a community pharmacy setting

14.10.5 Industry

Learning Outcomes	
At the end of the rotation, the students will be able to:	
A	Knowledge
1.	Explain the cGMP procedures followed by the pharmaceutical industries.
2.	Illustrate the operation of machinery used for manufacturing of different formulations
3.	Illustrate the working of different equipment used for the analysis of raw materials, in process and finished products.
B	Skills
4.	Demonstrate manufacturing of conventional drug delivery systems like tablets, capsules, liquids and semi solids and capsules
5.	Carry out quality control tests for solid and liquid oral preparations
6.	Formulate injections and carry out quality control tests on the prepared injections
C	Competence
C1	Autonomy and Responsibility
7.	Demonstrate ability to independently solve problem / conflict during manufacture and develop strategies for optimal use of production facilities and



	improve quality of dosage forms.
C2	Role in Context
8.	Manage the complex and varied professional practices in industry
9.	Function as a team leader for optimal performance in different fields of industrial activities
C3	Self-Development
10.	Upgrade professional knowledge and implement scientific and technical principles in making decisions related to product manufacture

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

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

13.10.6 Training in Hospitals

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



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

13.10.7 Training in Community Pharmacy

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

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

13.10.8 Training in Pharmaceutical Industries

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



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

13.10.9 Assessment

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

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

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

13.11 Description of Courses

General Education Courses (Please refer section 12.3.3)

General Education courses are offered during the first and second year of the B.Pharm curriculum. General education courses cover English (PEN 103), Health Sciences Communication in English (PEN 203), Health Sciences Communication in Arabic (PAR 103), Islamic Culture in Medicine (PIC 203), Information Technology for Pharmacy (PIT 102), Emirates Society (PES 102), Biostatistics and Research Methodology (PBR 402).



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

Course Summary:

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

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

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

Course Summary:

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



lecture sessions, practicals based on the Theory components, Self-Directed Learning, Small Group Sessions, Case-Based Learning, Team-Based Learning etc.

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

Course Summary:

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

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

Course Summary:

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



Videos, Group Discussions, Case-Based Learning, Self-Directed Learning, Team-Based Learning and Practicals.

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

Course Summary:

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

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

Course Summary:

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



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

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

Course Summary:

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

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

Semester - 3:

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

Course Summary:

Pharmaceutical Microbiology is a three-credit course offered in the third semester of B.Pharm program. The goal of this course is to make students become familiar with the microbiological aspects related to



the practice of pharmacy profession. The students are introduced to morphological and cultural aspects of the bacterial and fungal species that are of importance in pharmacy and medicine. The course covers their structure, isolation, characterization cultivation and identification. The course also deals with sterilization, disinfection and infection control techniques. The basic and applied aspects of immunology are taught. Learning is facilitated through Interactive Lecture Sessions, Practicals, Group Discussions, Case Studies, Self-Directed Learning and Team Based Learning.

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

Course Summary:

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

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

Course Summary:

Introduction to the Social Pharmacy is a two-credit course offered in the third semester of the B.Pharm program. The goal of this course is to emphasize the responsibility of the pharmacy profession related to drug matters in the local population. The course highlights the social factors that influence drug use and allows the students to understand the active role of the pharmacist in health care and health promotion. It helps students understand the patient's attitudes and beliefs and plays an active role in



providing the best health care services. The course also helps students to understand the UAE healthcare system, social and behavioral factors governing health, and social inequalities in health. In addition, it covers how social and behavioral sciences are applied to resolve problems in the pharmacy profession. Learning is facilitated through Interactive Lecture Sessions, Written Test, Small Group Discussions, Self-Directed Learning and Team-Based Learning.

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

Course Summary:

Pharmaceutics-1 is a three-credit course offered in the third semester of the B. Pharm program. The goal of this course is to train the students in the preparation and dispensing of dosage forms based on sound scientific principles. The course deals with the fundamental physicochemical principles of dosage form design. Students are taught on areas like the different states of matter and their physical properties and influence on the solubility, dissolution and distribution of drugs. The course will also focus on the basic design and formulation of different liquid and powder dosage forms based on the principles of physical properties and compatibility of different excipients.

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

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



Course Summary:

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

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

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

Course Summary:

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

Semester - 4:

Course Name	:	Pharmacology and Therapeutics-2
Course Code	:	PPT 424
Semester	:	4
No. of Credits	:	4 (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmacology and Therapeutics-1 (PPT 313)



Course Summary:

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

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

Course Summary:

Pharmaceutical Analysis-2 is a three-credit course offered in the fourth semester of B. Pharm program. The goal of the course is to provide the students with the basic knowledge and skills of various instrumentation techniques. The course includes principle, theory, instrumentation, and pharmaceutical applications of the chromatographic, spectroscopic, electrophoresis thermoanalytical techniques used in the identification and analysis of pharmaceuticals. The course also includes an overview of quality control and quality assurance in the analysis of pharmaceuticals. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Videos, Self-Directed Learning, Team-Based Learning, Workshops and Practical.

Course Name	:	Pharmaceutics - 2
Course Code	:	PPH 423
Semester	:	4
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Pharmaceutics-1 (PPH 313)

Course Summary:

Pharmaceutics-2 is a three-credit course offered in the fourth semester of the B. Pharm program. The goal of this course is to equip the students with advanced physicochemical principles related to dosage



form design. It will focus on theories of surface and interfacial tension, rheological characteristics of different systems and the importance of these in the formulation, production, efficacy, stability of the disperse pharmaceutical dosage forms. The course exposes students to physical properties and formulation of suspensions, emulsions, suppositories. Lectures and practicals focus on physicochemical properties and thermodynamic characteristics that affect the methods of formulation of pharmaceutical biphasic preparations and semi solid products. Learning is facilitated through Interactive Lecture Sessions, Practical, Group Discussions, Self-Directed Learning and Team Based Learning.

Course Name	:	Pharmacy Laws and Ethics
Course Code	:	PLE 402
Semester	:	4
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	None

Course Summary:

Pharmacy Laws and Ethics is a two-credit course offered in the fourth semester of the B.Pharm program. The goal of this course is to provide the students with knowledge of legal activities related to the pharmacy profession and other functions performed with members of the health care team. As part of the curriculum, the students are taught about ethical theory, key moral concepts in health care, moral reasoning, professionalism, accountability and professional decision-making processes. The students will also be exposed to case studies in decision making. In addition, this course also provides knowledge relating to drugs, pharmaceuticals, cosmetics and other different professional matters as per the UAE laws and regulations. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	:	Pharmacy Practice - 1
Course Code	:	PPP 413
Semester	:	4
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Introduction to Pharmacy Practice (PPP 302)

Course Summary:

Pharmacy Practice-1 is a three-credit course offered in the fourth semester of the B. Pharm program. The goal of this course is to provide the knowledge and skills of various laboratory parameters and



their interpretation. In addition, students will understand the procedure and components of patient counseling. Students will also be exposed to the concept of total parenteral nutrition. In the process, students will learn about patient assessment including vital signs, general and physical examination. The course also includes case-based learning and hands-on training sessions. Learning is facilitated through Interactive Lectures, Group Discussions, Self-Directed Learning and Team Based Learning.

Semester - 5:

Course Name	:	Innovations and Entrepreneurship in Pharmacy
Course Code	:	PIE 503
Semester	:	5
No. of Credits	:	3 (Theory 3 + Practical 0)
Course Prerequisites	:	None

Course Summary:

Innovation and entrepreneurship in pharmacy is a three credit course offered in the fifth semester of B.Pharm program. The goal of this course is to provide an overview of entrepreneurship in general, the traits of an entrepreneur, current topics in entrepreneurship with a specific focus on innovative pharmacy practice and patient care programs. The course also introduces students to innovative practices in the delivery of professional responsibilities. This course is designed to provide the students with the personal and business tools to make the transition from the academic environment to the daily practice of pharmacy. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Guest Lectures and Team Based Learning and visits to industrial and pharmacy business establishments to learn about the skills of entrepreneurship and innovative practices.

Course Name	:	Herbal Pharmacotherapy
Course Code	:	PHP 502
Semester	:	5
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	Foundations of Pharmacy (PFP 102) Pharmacology and Therapeutics - 1 (PPT 314) Pharmacology and Therapeutics - 2 (PPT 424)

Course Summary:

Herbal Pharmacotherapy is a two-credit course offered in the fifth semester of the B.Pharm program. The goal of the course is to provide the students with the basic knowledge of herbal medicines, history, and their clinical significance in modern pharmacy practice and nutraceuticals. The course



includes essential herbal medicines describing their historical background, sources, chemical constituents, therapeutic uses, toxicity, adverse effects, metabolomics applications, and quality control. In addition, this course also covers approaches to predict the nature and type of potential herb-drug interactions.

Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Audio-Visual, Self-Directed Learning, Case Studies, Team-Based Learning, Guest Lectures, and a visit to the Herbal Pharmaceutical Industry.

Course Name	:	Pharmaceutical Biotechnology – 1
Course Code	:	PBT 513
Semester	:	5
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Pharmaceutical Microbiology (PMI-303) Biochemistry and Clinical Chemistry (PBC-303)

Course Summary:

Pharmaceutical Biotechnology-1 is a three -credit course offered in the fifth semester of the B.Pharm program. The goal of this course is to teach principles of biotechnology to produce drugs and pharmaceuticals. The course teaches various aspects of blood products, glandular products, and enzyme biotechnology, downstream for biopharmaceuticals. The students will be taught about the recent developments and application of biotechnology, which produce wonder drugs, especially in replacement therapy, hormonal products and immunological products.

Opportunity will be provided for the students to integrate the knowledge of pharmaceutical biotechnology along with medicinal chemistry, pharmacology and pharmacy practice. Learning is facilitated through Interactive Lecture and Practical Sessions, Group Discussions, Self-Directed Learning and Integrated Team and Case-Based Learning. The teaching and learning is supported by Industrial Visits, Guest Lectures and submission of reports, to complement the learning and understanding the course.

Course Name	:	Pharmacology and Therapeutics - 3
Course Code	:	PPT 534
Semester	:	5
No. of Credits	:	4 (Theory 3+Practical 1)
Course Prerequisites	:	Pharmacology and Therapeutics-1 (PPT-313) Pharmacology and Therapeutics-2 (PPT-423)



Course Summary:

Pharmacology and Therapeutics-3 is a four-credit course offered in the fifth semester of B.Pharm program. The goal of this course is to provide the knowledge pertaining to etiology, pathogenesis, pharmacology and therapeutics of dermatology, musculoskeletal, respiratory and ophthalmic diseases/disorders. In addition, opioids, autacoids, local anesthetics and principles of bioassay and toxicology will also be covered during the course. Students will acquire the necessary skills required to deal with patients suffering from these disease conditions in the process. Learning is facilitated through Interactive Lecture Sessions, Case Based Learning, Group Discussions, Self-Directed Learning and Team Based Learning.

Course Name	:	Pharmacy Practice-2
Course Code	:	PPP 523
Semester	:	5
No. of Credits	:	3 (Theory 2+Practical 1)
Course Prerequisites	:	Introduction to Pharmacy Practice (PPP-302) Pharmacy Practice-1 (PPP-412)

Course Summary:

Pharmacy Practice-2 is a three-credit course offered in the fifth semester of the B.Pharm program. This course aims to provide knowledge of various areas of pharmacy practice such as hospital, community, and clinical pharmacy services. This course also includes specialized fields of pharmacy practice like pharmacovigilance, medication adherence, medication therapy management, automated dispensing, drug utilization review, pharmacoepidemiology, pharmacoconomics, personalized medicine, pharmacoinformatics, etc. During this course, students will be trained in different areas of pharmacy practice and will develop skills required to perform the professional role. Learning is facilitated through Interactive Lecture Sessions, Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	:	Medicinal Chemistry – 1
Course Code	:	PMC 514
Semester	:	5
No. of Credits	:	4 Theory (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmaceutical Organic Chemistry (POC-203)



Course Summary:

Medicinal Chemistry-1 is a four credit course offered in the fifth semester of the B.Pharm program. The goal of the course is to provide the students with a thorough understanding of structure activity relationships, thereby introducing students to structure based therapeutic evaluation. The course is designed to illustrate the significance of chemical structure, physicochemical properties and pharmacophore requirements in drug action and metabolism. The course includes the development, chemical classification, synthesis, analysis and chemical significance of important classes of medicinal compounds. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Team Based Learning, Audio Visual, Practical and Case Based Learning.

Semester - 6:

Course Name	:	Pharmaceutics - 3
Course Code	:	PPH 633
Semester	:	6
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Pharmaceutics-1 (PPH -312) Pharmaceutics-2 (PPH -423)

Course Summary:

Pharmaceutics-3 is a three credit course offered in the sixth semester of B.Pharm program. The goal of this course is to provide information related to formulation aspects of solid oral and parenteral, ophthalmic and semi-solid dosage forms. This course will focus on physical properties of the powders and granules for tablet production, excipients and granulation techniques. It will focus on the formulation of different types of capsules, production, and filling of gelatin capsules, quality control tests for capsules and tablets.

The course will also highlight the modified-release (per oral and parenteral) delivery systems for targeting specific sites, their design and formulation. Fundamental aspects of radioactive products and their quality control are taught in this course. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and integrated team-based learning. The teaching and learning is supported by the industrial visits and submission of the report, to enable students to observe and learn industrial practices.

Course Name	:	Pharmacy Administration
Course Code	:	PAP 602
Semester	:	6
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	None



Course Summary:

Pharmacy Administration is a two-credit course offered in the fifth semester of the B. Pharm program. The goal of this course is to provide the knowledge of various administrative services related to pharmacy, including the health care system and policies followed in hospitals, clinical settings and pharmaceutical industries. The various topics covered in this course are health care finance and reimbursement, consumer behavior, regulatory and administrative issues, leadership and management skills etc. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning and team-based learning.

Course Name	:	Pharmaceutical Biotechnology-2
Course Code	:	PBT 623
Semester	:	6
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Pharmaceutical Biotechnology-1 (PBT 513)

Course Summary:

Pharmaceutical Biotechnology-2 is a three credit course offered in the sixth semester of the B.Pharm program. The goal of the course is to provide knowledge of fermentation technology, recombinant DNA technology (rDNA technology) and related biotechnological processes. The students will be taught theoretical principles involved in genetic engineering, animal tissue culture, proteomics and antisense technologies. The recent developments and application of biotechnology in pharmacogenomics and personalized medicine will be taught.

The regulatory and financial issues of biopharmaceuticals will be dealt with on this course. Opportunity will be provided for the students to integrate the knowledge of pharmaceutical biotechnology along with medicinal chemistry, pharmacology and pharmacy practice. Learning is facilitated through interactive lectures and practical sessions, practicals, group discussions, self-directed learning and team and case-based learning. The teaching and learning is supported by industrial visits, guest lectures and submission of report, to better understand the course related to the practice of industrial biotechnological processes.



Course Name	:	Pharmacology and Therapeutics-4
Course Code	:	PPT 644
Semester	:	6
No. of Credits	:	4 (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmacology and Therapeutics - 1 (PPT-314) Pharmacology and Therapeutics - 2 (PPT-424) Pharmacology and Therapeutics - 3 (PPT-534)

Course Summary:

Pharmacology and Therapeutics-4 is a four-credit course offered in the sixth semester of the B.Pharm program. This course aims to provide knowledge related to etiology, pathogenesis, pharmacology, and therapeutics of endocrine and infectious diseases. In addition to this, the students will also acquire knowledge of antimicrobial resistance and different approaches to tackle antimicrobial resistance, including antibiotic stewardship. Students will acquire the necessary skills required to deal with patients suffering from these disease conditions in the process. Learning is facilitated through Interactive Lecture Sessions, Practicals, Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	:	Pharmacy Practice - 3
Course Code	:	PPP 633
Semester	:	6
No. of Credits	:	3 (Theory 2+Practical 1)
Course Prerequisites	:	Introduction to Pharmacy Practice (PPP 302) Pharmacy Practice - 1 (PPP 413) Pharmacy Practice - 2 (PPP 523)

Course Summary:

Pharmacy Practice-3 is a three-credit course offered in the sixth semester of the B.Pharm program. This course aims to provide the knowledge and skills required to provide various pharmaceutical care services in a community pharmacy set-up, such as health screening and responding to different minor ailments or disease conditions commonly encountered. The course also attempts to familiarize the students regarding different categories of medications like over the counter, prescription-only, and pharmacist-only medications based on the United Arab Emirates health care system and the role of artificial intelligence in pharmacy. The teaching and learning is also supported by the community pharmacy visit and submission of a report also through Interactive Lecture Sessions,



Case-Based Learning, Group Discussions, Self-Directed Learning and Team-Based Learning.

Course Name	:	Medicinal Chemistry - 2
Course Code	:	PMC 624
Semester	:	6
No. of Credits	:	4 (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmaceutical Organic Chemistry (POC 203) Medicinal Chemistry - 1 (PMC 514)

Course Summary:

Medicinal Chemistry-2 is a four-credit course offered in the sixth semester of the B. Pharm program. The goal of the course is to provide the students with a thorough understanding of structure activity relationships, thereby introducing students to structure based therapeutic evaluation. The course is designed to illustrate the significance of chemical structure, physicochemical properties and pharmacophore requirements in drug action and metabolism. The course includes the development, chemical classification and chemical significance of various prodrugs, medicinal and chemotherapeutic agents. Learning is facilitated through Interactive Lecture Sessions, Group Discussions, Self-Directed Learning, Team Based Learning, Computer-Assisted Learning, Audio Visuals, Case-Based Learning and Practical.

Semester - 7:

Course Name	:	Pharmaceutics - 4
Course Code	:	PPH 744
Semester	:	7
No. of Credits	:	4 (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmaceutics - 1 (PPH 313) Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633)

Course Summary:

Pharmaceutics-4 is a four credit course offered in the seventh semester of B.Pharm program. The goal of this course is to provide the students with knowledge of the science and technology of formulation and manufacture of cosmetics and personal care products. Lectures will focus on cosmetic ingredients, the active substances in cosmetic products, cosmetic product formulation and technology. The course also covers the formulation of decorative cosmetics such as face powders, lipsticks, mascara, and hair care products such as shampoos.



The principles of aerosol formulation and manufacture will be covered in this course. The various unit operations involved in cosmetic manufacture like size reduction, mixing and evaporation will be taught. Students will be introduced to the concepts of stability testing and quality control of cosmetic products. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and team-based learning. The teaching learning is supported by the visits to cosmetic industry and submission of report, to augment the understanding of the course.

Course Name	:	Pharmaceutical Marketing and Management
Course Code	:	PMM 703
Semester	:	7
No. of Credits	:	3 (Theory 3 + Practical 0)
Course Prerequisites	:	Innovations and Entrepreneurship in Pharmacy (PIE 503) Pharmacy Administration (PAP 602)

Course Summary:

Pharmaceutical Marketing and Management is a three credit course offered in the seventh semester of B.Pharm program. The goal of the course is to provide an insight into the management aspects applicable to pharmaceutical operations and marketing. Students are taught the theoretical principles of planning and organization. Students are exposed to principles of material management, purchase and inventory control. The basic issues of marketing pharmaceutical products and elements required to be a successful salesperson are taught.

The course teaches students about the selection of proper channels of distribution and managing a team of marketing personnel to achieve the desired targets. Students are also taught about the basics of accountancy and how to handle different financial documents such as cash books and profit and loss accounts. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, case studies, guest lectures and team-based learning. Students will be taken to field visits with professionals in pharmaceutical marketing to augment their learning.

Course Name	:	Pharmacology and Therapeutics - 5
Course Code	:	PPT 754
Semester	:	7
No. of Credits	:	4 (Theory 3 + Practical 1)
Course Prerequisites	:	Pharmacology and Therapeutics - 1 (PPT 313) Pharmacology and Therapeutics - 2 (PPH 423) Pharmacology and Therapeutics - 3 (PPT 533) Pharmacology and Therapeutics - 4 (PPT 643)



Course Summary:

Pharmacology and Therapeutics-5 is a four-credit course offered in the seventh semester of the B.Pharm program. The goal of this course is to provide knowledge and skills in the areas of etiology, pathogenesis, pharmacology, and therapeutics related to the central nervous and gastrointestinal systems. In addition, it provides the knowledge of basic principles of general anesthesia, oncology and drugs acting on the immune system. Learning is facilitated through interactive lecture sessions, case-based learning, group discussions, and self-directed and team-based learning

Course Name	:	Research Project
Course Code	:	PRP 704
Semester	:	7
No. of Credits	:	4 (Theory 0 + Practical / Clinical 4)
Course Prerequisites	:	Biostatistics and Research Methodology (PBR 402)

Course Summary:

Minor Research Project is a three-credit course offered in the seventh semester of the B.Pharm program. The goal of this course is to provide pharmacy students with a means to explore and develop research skills through identifying a research topic, conducting a literature review, writing a research proposal, carrying out, writing, and presenting the research project. In addition, the course will help students to recognize the nature and significance of the research, provide the foundation for future research endeavors, and improve their abilities to work as members of a team and communicate research results. Furthermore, the college intends for the research to be of high enough quality in the field of pharmaceutical sciences.

Each student must undertake a project that involves investigation into a specific research topic in some aspect of pharmaceutical / clinical sciences. This can take the form of a literature-based review, laboratory-based work, or a small-scale questionnaire-based epidemiological, hospital, or community-based study. Each student or a group of students will be assigned to a faculty supervisor/s who will provide the relevant framework for a suggested study. The students will be encouraged to formulate their own ideas. The aims/objectives will be designed jointly with their supervisors. The research project will be evaluated based on the report and presentation, which can be oral/ poster presentation.



Course Name	:	Biopharmaceutics and Pharmacokinetics
Course Code	:	PBK 703
Semester	:	7
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633)

Course Summary:

Biopharmaceutics and Pharmacokinetics is a three-credit course offered in the seventh semester of B.Pharm program. The goal of this course is to provide students with the basic understanding of the principles of biopharmaceutics and pharmacokinetics that can be applied to both drug product development and effective drug therapy. The course will discuss the pharmacokinetics of drug disposition following one, two, multiple and non-linear pharmacokinetic models. The students are trained on calculation of disposition parameters of the drugs using the different models for different routes of administration.

The course also covers factors influencing the design of both single and multiple dosage regimen. Practicals performed in this course will enable students to learn about the biopharmaceutical aspects of dosage form development and train them to perform various pharmacokinetic calculations. Learning is facilitated through interactive lecture sessions, practicals, group discussions, self-directed learning and team-based learning.

ELECTIVES

Semester - 8:

Course Name	:	Pharmacovigilance
Course Code	:	PPV 802
Semester	:	8
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	Introduction to Pharmacy Practice (PPP 302) Pharmacy Practice - 1 (PPP 412) Pharmacy Practice - 2 (PPP 523) Pharmacy Practice - 3 (PPP 633)

Course Summary:

Pharmacovigilance is a two-credit course offered in the eighth semester of the B. Pharm program. The goal of this course is to provide the students with comprehensive knowledge and skills related to various concepts and methodologies of pharmacovigilance. The students will be taught about the



monitoring, detection, and reporting of adverse drug reactions. The course also focuses on various components of pharmacovigilance like coding, indicators, and tools for reporting and documentation adverse drug reactions. The teaching and learning are also supported with a hands-on workshop, webinar, computer-assisted learning, and a report/ presentation submission. Learning is facilitated through interactive lecture sessions, group discussions, guest lectures, workshops, self-directed learning, and team-based learning.

Course Name	:	Drug Discovery and Development
Course Code	:	PDD 802
Semester	:	8
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	Medicinal Chemistry - 1 (PMC 514) Medicinal Chemistry - 2 (PMC 624) Pharmacology and Therapeutics – 1 (PPT 313) Pharmacology and Therapeutics - 3 (PPT 423)

Course Summary:

Drug Discovery and Development is a two credit course offered in the eighth semester of the B.Pharm program. The goal of the course is to provide the students with fundamental knowledge of evolution of drug from bench to clinic. The course includes the methods of lead discovery and drug design strategies for optimization of target interactions and drug access to the target using analogue and structure-based drug design approaches, preclinical and clinical studies based on the regulatory considerations. The course also includes an overview of the use of computers in drug design. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, team-based learning, audio visual, and case based learning.

Course Name	:	Clinical Pharmacokinetics
Course Code	:	PCP 803
Semester	:	8
No. of Credits	:	3 (Theory 2 + Practical 1)
Course Prerequisites	:	Biopharmaceutics and Pharmacokinetics (PBK 503)

Course Summary:

Clinical Pharmacokinetics is a three-credit course offered in the eighth semester of B.Pharm program. The goal of this course is to teach principles and applications of pharmacokinetics in determining and modifying clinical outcomes. The course deals with application of pharmacokinetic principles on drug



disposition following one compartment and multi compartment models and students are trained to perform calculations related to therapeutic drug monitoring and understand its clinical significance.

The students are taught about the design of drug therapy regimen for individual patients, interpret and correlate the plasma drug concentration with patient's therapeutic outcome and recommend dosage adjustment for patients with renal/ hepatic impairment. The course teaches how biopharmaceutical aspects of different dosage forms influence achieving optimal therapeutic benefits especially in special populations. Students are also exposed to critical issues involved in the pharmacokinetics of biologicals. Learning is facilitated through interactive lecture sessions, practicals, group discussions, cases studies, self-directed learning, integrated team based and case-based learning and hospital visits.

Course Name	:	Complementary and Alternative Medicine
Course Code	:	PCM 802
Semester	:	8
No. of Credits	:	2 (Theory 2 + Practical 0)
Course Prerequisites	:	Herbal Pharmacotherapy (PHP 503)

Course Summary:

Complementary and Alternative Medicine (CAM) is a two-credit elective course offered in the eighth semester of B.Pharm program. The goal of the course is to provide the students with comprehensive knowledge and skills related to complementary and alternative medicines. The students will be taught about the fundamentals of CAM, various CAM practices in GCC, history and types of prophetic medicine, aromatherapy, nutritional therapy and apitherapy. The course also focuses on various research models in CAM, Frauds and misconceptions related to CAM products. This teaching and learning is supported by workshops, seminars and submission of reports or presentations. Learning is facilitated through interactive lecture sessions, group discussions, self-directing learning and team base learning, case base learning and field visits.

Course Name	:	Practice School - Community Pharmacy
Course Code	:	PSC 806
Semester	:	8
No. of Credits	:	6
Course Prerequisites	:	All Pharmacy Practice related courses of the earlier semesters



Course Summary:

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

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

Course Name	:	Practice School - Industry
Course Code	:	PSI 802
Semester	:	8
No. of Credits	:	2
Course Prerequisites	:	Pharmaceutics - 2 (PPH 423) Pharmaceutics - 3 (PPH 633) Pharmaceutics - 4 (PPH 744) Pharmaceutical Biotechnology - 1 (PBT 513) Pharmaceutical Biotechnology - 2 (PBT 623)

Course Summary:

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



different regulatory guidelines that govern drug manufacture in an industrial set up. They will have good exposure in documenting different processes related to validation and quality assurance.

All parts of the practice school rotation will be done in approved pharmaceutical industries. Practice school training will be delivered as per the rotation schedule provided by the industry and the student will receive an intensive training of 70 hours by rotating at different units of the industry such as raw materials, production, quality control, R & D and regulatory affairs departments. It also includes discussion/reflective sessions at the site of training and/or college. The students will gain practical experience in industrial operations. The students are assessed daily during the rotations and at the end by written tests, reports and seminars.

Semester - 9:

Course Name	:	Advanced Practice School - Internal Medicine
Course Code	:	APSI 914
Semester	:	9
No. of Credits	:	4 (Theory 0 + Practical 4)
Course Prerequisites	:	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Internal Medicine is a four-credit rotation offered in the ninth semester of the B Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students to provide pharmaceutical care services related to common disease conditions encountered in the internal medicine department. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in general medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in general medicine settings. The student will complete a checklist of activities and assessments to ensure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	:	Advanced Practice School - Internal Medicine Specialty
Course Code	:	APSI 924



Semester	:	9
No. of Credits	:	4 (Theory 0 + Practical 4)
Course Prerequisites	:	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Internal Medicine Specialty is a four-credit rotation offered in the ninth semester of the B. Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students regarding pharmacotherapy of common disease conditions encountered in specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care issues in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in specialty areas like cardiology, nephrology, neurology, psychiatry and pediatrics. The student will complete a checklist of activities and assessments to ensure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	:	Advanced Practice School - Ambulatory Care
Course Code	:	APSA 934
Semester	:	9
No. of Credits	:	4 (Theory 0 + Practical 4)
Course Prerequisites	:	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Ambulatory Care is a four-credit rotation offered in the ninth semester of the B.Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to complete compulsorily. The goal of this hospital rotation is to prepare the students regarding pharmacotherapy of common disease conditions encountered in ambulatory care setting. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in ambulatory care setting. The student will complete a



checklist of activities and assessments to ensure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	:	Advanced Practice School - Hospital Pharmacy and Drug Information
Course Code	:	APSH 942
Semester	:	9
No. of Credits	:	2 (Theory 0 + Practical 2)
Course Prerequisites	:	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Hospital Pharmacy and Drug Information is a two-credit rotation offered in the ninth semester of the B. Pharm program. This course is a part of the Practice School - Hospital and is a core rotation which the students have to attend compulsorily. The goal of this rotation is to make the student understand the professional roles of hospital pharmacist and delegate the same diligently to provide effective services to the healthcare personnel and the patients. The students will acquire knowledge and skills related to various hospital pharmacy services such as drug dispensing, drug distribution, drug procurement, hospital formulary, information technology, medication errors and provision of drug information services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population in hospital pharmacy setting. The student will complete a checklist of activities, assessments and reports to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up.

Course Name	:	Advanced Practice School - Electives
Course Code	:	APSE 952
Semester	:	9
No. of Credits	:	2 (Theory 0 + Practical 2)
Course Prerequisites	:	All Pharmacy Practice related courses of previous semesters

Course Summary:

Advanced Practice School - Electives is a two-credit rotation offered in the ninth semester of the B. Pharm program. These elective rotations are part of the Practice School - Hospital and students can choose any of the two given five elective rotations namely, Geriatric Medicine, Obstetrics and Gynecology,



Ophthalmology, ENT and Nutrition. Each elective rotation will be conducted over one week. During these electives, students will acquire knowledge and skills related to pharmacotherapy of common disease conditions encountered in Geriatric Medicine, Obstetrics and Gynecology, Ophthalmology, ENT and significance of Nutrition in drug therapy. In the process, students will acquire knowledge and skills related to treatment, patient education, identifying and resolving pharmaceutical care in specialty medicine patients as a part of pharmaceutical care services. The rotation will be carried out in approved MOHAP teaching hospitals. The rotation will also include discussion/reflection sessions at the site of rotation and/or college. The students will gain practice experience providing care to a diverse patient population. The student will complete a checklist of activities and assessments to assure sufficient breadth of experience, exposure to necessary components and activities in a hospital set-up



14. General Education

14.1 General Education Curriculum

The General Education Department has been an integral part of the RAK Medical and Health Sciences University ever since its inception. The General Education curriculum is designed to provide students with an opportunity to develop their academic skills, enhance their capacity for intellectual inquiry and critical reasoning, learn effective communication, shape individual values, and prepare them to function in a rapidly changing digital world in their academic, professional, personal, and social lives as a foundation for lifelong learning. The curriculum is designed to develop collegial skills in English, Arabic, Islamic Studies, Information Technology, and Emirates Society. Each course is customized to the program needs of the constituent colleges. The General Education Program includes courses in linguistic and communicative skills in English and Arabic, intellectual skills, mathematical and statistical skills, information technology skills, humanities and ethics, and Emirates Studies. These areas of study enable students to acquire and create knowledge, consequently allowing them to assess existing values and develop new ones.

14.2 General Education Courses Offered for Pharmacy (B.Pharm) Program

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

Course Description

PEN 103 English

Credits: (3+0=3)

Course Prerequisite: None

Course Summary: English is a three-credit course offered in the first semester of the B.Pharm Program. The primary goal of this course is to develop the writing skills of pharmacy students so they can generate and express their ideas clearly, correctly, and effectively. The course covers college-level writing standards, reading for comprehension, prewriting techniques, organization of material, and speaking skills. Students will learn to write fluent and logical compositions, ranging from small paragraphs to multi-paragraph essays, for various purposes within the health sciences context. They will also become familiar with basic medical and pharmaceutical terminology. Learning is facilitated



through interactive lecture sessions, written tests, group discussions, self-directed learning, and team-based learning.

PEN 203 Health Sciences Communication in English

Credits: (3+0=3)

Course Prerequisite: English (PEN 103)

Course Summary: The Health Sciences Communication in English course is a three-credit course offered in the second semester of the B.Pharm program. The primary goal of this course is to provide students with the essential skills and competencies needed for healthcare professionals. The course trains students to communicate with clarity, sensitivity, and effectiveness in their interactions with patients and their families. It emphasizes empathy and active listening skills while interacting with patients, their families, and colleagues to achieve desired outcomes. Additionally, the course focuses on public speaking skills, including conference presentations. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, team-based learning, and simulated situations.

PIT 102 Information Technology for Pharmacy

Credits: (2+0=2)

Course Prerequisite: None

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

PAR 103 Health Sciences Communication in Arabic

Credits: (3+0=3)

Course Prerequisite: None

Course Summary: Health Sciences Communication in Arabic is a three-credit course offered in the first semester of the B.Pharm program. The primary goal of this course is to equip pharmacy students with the essential skills for communicating in Arabic with patients and healthcare staff. The course focuses on reading and listening for comprehension to prepare students for real-life situations. Emphasis is placed on pronunciation and correct articulation while speaking in Arabic. Learning is



facilitated through interactive lecture sessions, written tests, group discussions, self-directed learning, and team-based learning.

PES - 101 Emirates Society

Credits: (2+0=2)

Course Prerequisite: None

Course Summary: The Emirates Society course is a two-credit course offered in the first semester of the B.Pharm program. This course aims to foster national belonging and identity while appreciating the achievements of the United Arab Emirates. It introduces pharmacy students to the key social features of the Emirati community, its core values, and heritage, as well as the country's history and geography. The course covers internal and foreign policies, the role of pharmacy in UAE social development, and the services provided by the State, including the empowerment of women and their role in society. Additionally, it highlights the UAE's efforts in building a knowledgeable society, promoting multiculturalism, and developing a robust economic and technological infrastructure to compete globally. The course also addresses future visions and challenges, discussing strategic plans related to the Federal Government and Abu Dhabi's Vision 2030, and explores issues related to future development plans and anticipated challenges.

PIC 203 Islamic Culture & Medicine

Credits: (3+0=3)

Course Prerequisite: None

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

PBR 403 Biostatistics & Research Methodology

Credits: (2+0=2)

Course Prerequisite: None

Course Summary: Biostatistics and Research Methodology is a two-credit course offered in the fourth semester of the B.Pharm program. The goal of this course is to provide an understanding of the theory and applications of biostatistics and research as they relate to professional practice. Students will learn various aspects of data handling and analysis, develop the ability to apply statistical methods, and critically interpret issues encountered in practice. The course is designed to help students understand research methodology principles, identify research problems, and plan and implement research projects. It will also enable students to critique research studies and recognize the importance of using research findings to enhance the quality of pharmaceutical and health science



practices, education, and management. Basic aspects of pharmacy practice research, including ethical considerations, are covered. Additionally, the course addresses the communication of research results for publication. Learning is facilitated through interactive lecture sessions, group discussions, self-directed learning, and team-based learning.

14.3 Placement Test

Students may earn credit for degree-applicable general education courses through proficiency and challenge examinations recognized or administered by the University. Such examinations must demonstrate that the student has mastered the established student learning outcomes for the course at a satisfactory level. For the General Education courses in English and Health Sciences Communication in Arabic, placement tests can be administered. Students who pass the placement test will NOT be required to take that course. However, the placement test scores of the students will be kept for grading at the end of the semester. Any student who has been given an exemption and desires to continue the relevant course may submit an application to the Office of Assessment through the College Dean. Students who choose to remain in the course after being granted an exemption will forfeit their placement test scores and be held to the same standards as other students who were not granted the exemption.



15. Assessment and Grading System

15.1 Assessment Committee

The RAKMHSU Assessment Committee consists of the Vice President, Academic Affairs as Chairperson, In- Charge Assessment Office as Secretary, Deans, other nominated faculty as members and nominated students as students representatives. The Assessment Committee advises the University on Assessment Policies and determines whether the general requirements for promotion are met by the students. It shall also be responsible for the approval and announcement of Assessment results, actions for Misconduct / Malpractice during

15.2 Time of Assessment

The assessment planed is according to the academic calendar. The length of time for each evaluation varies depending on the type as described in the catalog or on communications from the relevant faculty, chairperson or dean.

Students are urged to arrive at the exam site early and begin the test on time or submit their assignment before the deadline. However, if the exam is longer than 30 minutes, students are permitted to enter the examination hall within 15 minutes of the exam's start time with a legitimate explanation. Even if students exit the exam hall after finishing their test, neither they nor any other students are allowed to enter the exam room again.

15.2.1 Continuous Assessment

All continuous assessments (CA) are be held within the semester / academic period. The respective college Dean will notify the student about the exact schedule of CA including the dates, times and venue.

15.2.2 Final Examination

Final Exams are the final assessments for a course TW1 or combination of courses before a student is awarded a grade for that course or combination of courses. They test the total content of the relevant courses. The Assessment Office has the responsibility of conducting the Final Examination. These exams are held at the end of a semester or end of the academic year, and generally fall within the months of January/February and May/June/July.



15.3 Attendance

Attendance Requirements	
75 -100%	Eligible for final examinations
70-74%	Requires Dean's approval to sit for final examinations
50-69%	Requires justifiable reasons and approval by the College Council to do a remedial process and sit a repeat examination for that course
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

15.4 Assessment Methodology

At RAKMHSU, the Assessment/assessment methodology is to assess the student continuously throughout the duration of the course. Sixty percent weightage is given to various assessments spread throughout the course which are grouped under "Continuous Assessment". The other forty percent weightage is given to the Final Exams held at the end of the course.

15.5 Continuous Assessment

Continuous assessment contributes certain percentage of weightage to the final grades for the course. The methodology for conducting various continuous assessment components are as follows:

- Continuous Assessment Test:
- Mid-Term Exam
- Written Test
- Group Presentation [TW2]
- Team Based Learning (TBL)

Objective Structured Practical Assessment (OSPE), examination and End Semester Practical Assessment (ESPE)

- Log books / Lab Records / Case presentations / Case reviews

Continuous assessment contributes 60% to the final marks for all the courses both in theory and practical. The methodology for conducting various continuous assessment components and their respective weightage are as follows:

15.5.1 In-course Assessment (50% weightage) - (Theory)

- There will be only ONE In-Course Assessment (ICA) held during designated periods within the semester.



- The marks of In-course Assessment (ICA) will contribute 50% of the total continuous assessment marks. The format of this Assessment will be the same as that of the theory Final Examination and will include multiple choice questions (MCQs). However, the number of MCQs will be approximately half the number of the Final Examination.
- In-course Assessment will be conducted on alternate day's Assessment for different courses.
- The Dean of the College will notify the students about the schedule of the In-course Assessment, including the date, time, and venue.
- During In course Assessment, one or more "Observers" may be deputed by the Office of the Assessment to oversee the conduct of the Assessment.

15.5.2 Continuous Assessment (50% weightage) - (Practical)

- For courses with practical/clinical credit hours, ONE assessment in practical will be held during the semester.
 - The practical assessments will take place during the regular practical hours allocated in the time table
 - The marks obtained in the practical assessment will contribute 50% of the total continuous assessment marks.
 - Daily assessment during practicals through the semester contributes to 25% of the total marks. Laboratory report writing, viva voce etc., contributes to 25% of the total marks.
- Continuous assessment in practical will be in the form of objective structured practical Assessment (OSPE), objective structured clinical Assessment (OSCE) or practical Assessment according to the nature of the course.

15.5.3 Written test* (20% weightage)

- There will be one written test per semester, and its placement will be notified at the beginning of the semester.
- Written test can be in the form of written reports, presentations, projects etc., relevant to the course as decided by the course faculty.
- The marks obtained in the written test will contribute 20% to the total continuous assessment of marks
- The date for the written test will be announced at least one week in advance and conducted during the regular theory hours.
- The faculty shall provide the detailed guidelines to the students on the format of the test.



- For courses without TBL, there will be 2 written tests of 25 marks each.

15.5.4 Team Based Learning (TBL) (20% weightage)

One Team Based Learning (TBL) session is conducted per course during the semester. Contents of TBL sessions will be assessed at theory Assessment.

TBL will be scheduled at frequent intervals throughout the course/module. Each TBL consists of Individual readiness assurance test (I - RAT) and Team readiness assurance test (T-RAT). Weightage for I - **RAT is 40%** and **T- RAT is 60%**, to calculate the final grade achieved by each student for a particular TBL. Average of all TBL's conducted in each course/module is taken.

- The marks obtained in the TBL sessions over the semester will contribute 20% to continuous assessments
- Each TBL assessment consists of two components: individual readiness assurance test (i-RAT) and team readiness assurance test (t-RAT). i-RAT will contribute 60% and t-RAT will contribute 40% for calculation of final grade achieved by each student for a particular TBL. i-RAT and t-RAT will consist of ten MCQs.
- The topic and the study material will be made available to the students one week before the TBL session.
- TBL may be conducted as stand-alone or integrated among several courses wherever possible and the marks awarded will be equally distributed among the integrated courses (e.g. if a student gets 5 out of 10 marks in an integrated TBL of Pharmacotherapeutics/Pharmacology/ Clinical Pharmacy, he/she will get 5 out of 10 in all the three individual courses). When integrated TBL is not possible, individual TBL will be conducted. However, this will be solely at the discretion of the College Dean.

15.5.5 Self Directed Learning (SDL) (10% weightage)

- Self-Directed Learning (SDL) sessions will be conducted for all the courses as per the weekly time table during the semester.
- SDL activity for each course will be assessed at the completion of each SDL session and will contribute 10% marks to the continuous assessments.
- SDL assessment will be conducted in the form of presentation/quiz/scenario/vignette.

Results of each continuous assessment will be made available to the students within 1 week of its conduct. At the end of all the assessments, the College Dean will submit the raw marks for all the



evaluation components to the Office of the Assessment in the given format after due review/verification, if any.

All continuous evaluation reports, in the given formats, will be properly signed by faculty/Chairpersons before being sent to the Office of Assessment through the College Dean. The Office of Assessment may return the marks for departmental clarification or reconsideration if any discrepancy or inconsistency appears.

15.5.6 Distribution of Marks

The marks distribution for B.Pharm program is shown in the table below (there may be minor variations depending on the specific needs of some courses).

Theory			Practical		
Continuous Assessment (%)		Final Examination	Continuous Assessment (%)		Final Examination
In Course Assessment	50	MCQs 100	In Course Assessment	50	OSPE/OSCE Practical Assessment
Written Test	20		Daily assessment	25	
TBL	20		Lab Manual, V IVA	25	
SDL Assessment	10				
Total	100	100	Total	100	100
Ratio for Final Mark	60	40	Ratio for final mark	60	40
SUMMARY OF CONTINUOUS ASSESMENT					
S.No.	Item		No. of Assessments		
1	In Course Assessment		1*		
2	Written Test		1**		
3	TBL		1		
4	SDL Assessment		1		
5	Practical Assessment		1		

***However, there will be an additional ICA for those students who were absent / got less marks due to valid reason.**

**** For courses without TBL, there will be 2 written tests of 25 marks each.**



15.5.7 Number of MCQs and Duration for the Assessments [TW3]

No. of Theory Credits	Mid-Term Examination		Final Examination	
	No. of MCQs	Duration	No. of MCQs	Duration
1	25	30 min	50	60 min
2	35	40 min	75	85 min
3 and more	50	55 min	100	110 min

The Dean has the authority to modify the number of questions and duration for the assessments following course learning outcomes and credit hour. Any change will be communicated to both students and the Assessment Office.

15.5.8 Makeup Continuous Assessment

Any student who misses any component of CA for valid reason(s) must report to the Dean/Associate Dean on the same day. If the reason for absence is approved by the college council, makeup test will be done.

15.5.9 Placement test / UAE National Service

a- Placement test

Students may earn credit for degree-applicable general education courses through proficiency and challenge examinations recognized or administered by the University. Such examinations must demonstrate that the student has mastered the established student learning outcomes for the course at a satisfactory level. For the General Education courses in English and Health Sciences Communication in Arabic, placement tests can be administered. Students who pass the placement test will NOT be required to take that course. However, the placement test scores of the students will be kept for grading at the end of the semester. Any student who has been given an exemption and desires to continue the relevant course may submit an application to the Assessment Office through the College Dean. Students who choose to remain in the course after being granted an exemption will forfeit their placement test scores and be held to the same standards as other students who were not granted the exemption

b- UAE National Service:

- As per the notification of the Ministry and approved by the University Council meeting dated June 24, 2024, starting this academic year (2024-2025), the National Service experience can be credited towards certain General Education courses.



- Students who have undergone **UAE - National Service**, may count their experience towards the exemption of the following General Education courses in the form of credit equivalent or recognition of prior learning (RPL).

Program	Equivalent Courses /Course Codes
B. Pharm	PES 102 - Emirates Society PIC 203 - Islamic Culture and Medicine

- Students who have completed the UAE National Service may apply for exemption or Recognition of Prior Learning (RPL) for General Education courses.
- To claim this exemption, students must submit the original National Service Certificate to the Office of the Registrar after completing the admission process.

15.6 Final Examinations

The final examinations will be the final Assessment for the course or combination of courses. It will be conducted by the Assessment Office.

The final exam will contribute 40% of the overall assessment for the course or course combination.

The Eligibility to appear for the Semester final exam.

- A minimum of 75% of attendance in each course (Theory + Practical)
- A minimum of 75% attendance in clinical rotations.

Any student, who does not fulfill the above requirement, will not be eligible to appear for the final examination. All the students who appear and fail in the semester examination in the first attempt will have an opportunity to appear for Repeat 1 Assessment, within 2 weeks after the declaration of the results. There will be a remedial Assessment before the Repeat to improve their Continuous Assessment. If the student who fails even at Repeat 1 Assessment, will have Remedial 2 Assessment weeks after repeat 1 and will appear for Repeat 2 Assessment within 2 weeks of declaration of Repeat 1 Assessment results. [TW4] All courses in the respective academic year needs to be passed before progression to the next academic year and is applicable to all the courses.

Any student, who does not fulfill the above requirement, will not be eligible to appear for the final examination.



The Final Examination will include:

a) A theory component and a practical component. The practical component will be for courses with practical or clinical credit hours. The theory component will include MCQs.[TW5]

Where a course has practical/clinical credit hours, a practical component which will be tested with objective structured practical Assessment (OSPE), objective structured clinical Examination (OSCE) or practical/clinical Assessment.

15.7 Students NOT Eligible for Final Examination

Students may be ineligible for the final examination due to the following:

- Those who have less than 50% attendance in the course. [TW6]
- Students with less than 50% attendance for any course will be required to repeat the whole semester / year for that particular course [TW7], subject to University guidelines.

15.8 Remedial Assessment

Students, who were not eligible for final examination may, provided they have an attendance of over 50% for any course, make themselves eligible for Repeat 1 Assessment by undergoing a remedial process that comprises

Attending revision classes / clinical rotations and appearing for Remedial 1 Assessment before the Repeat 1 Assessment.

The remedial Assessment will be conducted within 2 weeks of declaration of the results of Final Assessment. If the student fails at Repeat 1 Assessment, there will be a Remedial 2 Assessment, within 2 weeks after the declaration of Repeat 1 Assessment results. [TW8]

The remedial 1 Assessment will consist of theory component similar to Continuous Assessment and practical component similar to continuous assessment practical Assessment. The content will be the total syllabus of the course or combination of courses. Score of the two components of the Remedial Assessment may be substituted for one continuous assessment and one practical score respectively. Students achieving the minimum score for continuous assessment after substitution will be eligible for Repeat 1 Assessment. There will be Remedial 2 Assessment before the Repeat 2 Assessment, which will be 2 weeks after the declaration of Repeat 1 Assessment results. [TW9]

There is no remedial or repeat session for TBL and assignments [TW10].

Student who is not eligible even after Remedial 2 has to repeat the whole semester / year for that particular course, subject to payment of fees as per university guidelines. [TW11]



15.9 Repeat Examination

Following the final examination, two more Assessments in the same format may be conducted, if required, by the University. This is the Repeat 1 and Repeat 2 Assessment which will be held within two weeks after the declaration of the results of the final examination and two weeks after declaration of Repeat 1 Assessment, respectively. [TW12]

Eligibility for Repeat 1 Examination

- Any student who appeared for the final examination but was unsuccessful
- Any student who was not eligible to appear for the final exam but has successfully undergone the remedial process and has become eligible in terms of attendance.

Eligibility for Repeat 2 Examination

- Any student who appeared for the Repeat 1 Assessment but was unsuccessful
- Any student due to unforeseen circumstances/emergency conditions was eligible for Repeat 1 Assessment but could not appear. [TW13]

15.10 Progression through the Program

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

The Assessment office will conduct Repeat 1 & Repeat 2 Assessments during the summer vacation after the Final Assessment within two weeks after the declaration of the result of the Final Assessment & Repeat 1 Assessment respectively.

The students who clear all the courses in the Final Assessment/ Repeat Assessment will be promoted to the next academic year.

Students will finish the Repeat 1 & Repeat 2 Assessments before the completion of the academic year (i.e. by the end of August). The students will have to pass all the courses for that academic year by the end of the Repeat Assessment before progression to the next academic year.

Failure to clear all the courses by the end of the academic year even after Repeat 1 and Repeat 2 Assessments, the student will have to re-register for the failed courses in the next academic year, and will NOT be promoted to the next academic year, except as mentioned in the exception case below.

Exceptions to carrying over failed course(s) to the following year: Core courses

Students who fail a course(s) with fewer than or equal to three credit hours will be allowed to carry the course(s) over under the following policy:



- The total credit hours of the course(s) seeking carryover should not exceed 3 credit hours.
- If the course in question is a prerequisite for another course, it is acceptable to take it concurrently.
- The repeat course(s) must be formally registered for, ensuring that all enrollment processes are followed including payment of fee for the carryover course on 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.

Exceptions to carrying over failed courses to the following year: General Education Course

- The above progression criteria will not apply to General Education courses; these courses will not affect progression provided the student obtains a passing grade within the following academic year. Students should have completed all the courses including the general education course before he/she could be promoted to clinical clerkship year.

Repeating the courses / Readmission

- Failure to clear the courses by the end of the academic year even after repeat Assessments as stated in the exemption, the student will have to re-register for the failed courses in the next academic year, and will NOT be promoted to the next academic year.
- However, depending on the availability of the seats and the improvement shown by the students, a committee will be formed to recommend a student for readmission to enable the student to repeat the entire course in which he/she has failed.
- Students who had disciplinary proceedings against them, who had attendance deficits, and who have been fee defaulters are NOT eligible for readmission.
- Students repeating the course/year after readmission in any year will be given all the chances (Final and repeats) at the end of the year to pass the course. If any student has repeated the course and fails the Final Exam and repeat Exams, he/she shall be academically dismissed once and for all.
- Students who were not eligible to write the Final / repeat Examination due to attendance, such students will have to repeat such course(s) in the next academic year and they will not be promoted to the next higher class.



15.11 Academic Dismissal

Academic dismissal is the involuntary separation of a student from the University, which takes place under the following situations:

(A) When a student does not obtain pass grades for a course after retaking the course. Such a failure to obtain a pass in the course on the **second time** [TW14] a student takes it may be due to:

- Inadequate grades at the Assessment even at the second time.
- Ineligibility to appear for the Final and Repeat Examination at the second time either due to low Continuous assessment scores, lack of attendance or both.

(B) When a student is unable to complete the program of study within the maximum duration of study specified for that program.

15.12 Appeal Procedure to Revoke Academic Dismissal

A student may appeal for his / her Academic Dismissal by submitting a written request within five working days from the time the Academic Dismissal letter was signed and mailed by the Office of the Registration. This written request must state the basis for appeal that would warrant modification of the student's status. The Assessment Office 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 Assessment Office will communicate the final decision through the Office of the Registration to the student. During the interim period of appeal after the dismissal, the student is prohibited from attending any activity in the College/University.

15.13 Hall Ticket

Hall ticket is the official document that permits a student to appear for Final and Repeat Examination. The following rules are applicable regarding hall tickets:

The Assessment Office issues the Hall Tickets before the commencement of the Assessment to all the students, for the courses for which the student is eligible to write the exams.

- Due to attendance shortage or poor academic performance in continuous assessment, the student might be barred from writing exams of some courses, and in such a case the ineligibility will be stated on the Hall Ticket (or the courses will not be printed on the Hall Ticket).

Hall Tickets must be brought to the Assessment Hall and presented to the invigilator prior to the Assessment without which a student will not be allowed to appear for Assessment.

- No faxed copies/photocopies/scanned copies in multimedia of the hall tickets will be accepted by the faculty.
- A duplicate Hall Ticket will be issued only by the Assessment Office upon payment of required fee.



15.14 Academic dishonesty

Academic dishonesty is prohibited at RAK Medical and Health Sciences University. Penalties for academic dishonesty include academic sanctions, such as failing or otherwise reduced grades, and/or disciplinary sanctions, including suspension or expulsion.

Academic integrity is at the core of a university education. Faculty assign essays, exams, quizzes, projects, and so on both to extend the learning done in the classroom and as a means of assessing that learning. When students violate the academic integrity policy (i.e., “cheat”), they are committing an act of theft that can cause real harm to themselves and others including, but not limited to, their classmates, their faculty, and the caregivers who may be funding their education. Academic dishonesty confers an unfair advantage over others, which undermines educational equity and fairness. Students who cheat place their university’s accreditation and their own future prospects in jeopardy. The said mandate necessitates that the RAKMHSU undertakes steps essential to enforce the Academic integrity in the Academic work being done in the University.

Definitions

Definitions and Examples of Academic Dishonesty:

15.14.1. Cheating is the unauthorized use or attempted use of material, information, notes, study aids, devices, or communication during an academic exercise. Examples of cheating include:

- Copying from another student or allowing others to copy work submitted for credit or a grade. This includes uploading work or submitting class assignments or exams to third party platforms and websites beyond those assigned for the class, such as commercial homework aggregators, without the proper authorization of a professor.
- Unauthorized collaboration on assignments or examinations.
- Copying from another student or allowing others to copy work submitted for credit or a grade. This includes uploading work or submitting class assignments or exams to third party platforms and websites beyond those assigned for the class, such as commercial homework aggregators, without the proper authorization of a professor.
- Unauthorized collaboration on assignments or examinations.
- Taking an examination or completing an assignment for another person or asking or allowing someone else to take an examination or complete an assignment for you, including exams taken on a home computer.
- Allowing others to research and write your assigned papers or other assignments, including using commercial term paper services.



- Submitting someone else's work as your own, including, but not limited to, material obtained in whole or in part from commercial study or homework help websites, or content generated or altered by digital paraphrasing tools.
- Fabricating and/or falsifying data (in whole or in part).
- Giving assistance to acts of academic misconduct/dishonesty.
- Altering a response on a previously graded exam or assignment and then attempting to return it for more credit or a higher grade without permission from the instructor.
- Submitting substantial portions of a paper or assignment to more than one course for credit without permission from each instructor.

Unauthorized use during an examination of notes, prepared answers, or any electronic devices such as cell phones, computers, smart watches, or other technologies to copy, retrieve, or send information.

15.14.2 Plagiarism is the act of presenting another person's ideas, research, or writing as your own. Examples of plagiarism include:

- Copying another person's actual words or images without the use of quotation marks and citations attributing the words to their source.
- Presenting the ideas of others in your own words without acknowledging the source or insufficient paraphrasing, whether or not the source is cited.
- Failing to acknowledge collaborators on homework and laboratory assignments.
- Internet plagiarism, including submitting downloaded term papers or parts of term papers, paraphrasing or copying information from the internet without citing the source, or cutting and pasting excerpts from various sources without proper attribution.

15.14.3 Obtaining Unfair Advantage is any action or attempted action that gives a student an unfair academic advantage over another student or students. Examples of obtaining unfair advantage include:

- Stealing, reproducing, circulating, or otherwise gaining advanced access to examination materials.
- Depriving other students of access to library materials by stealing, destroying, defacing, or concealing them.



- Retaining, using, or circulating examination materials that clearly indicate that they should be returned at the end of the exam.
- Intentionally obstructing or interfering with another student's work.

15.14.4 Falsification of Records and Official Documents Examples of falsification include:

- Forging signatures of authorization.
- Falsifying information on an official academic record.
- Falsifying information on an official document such as a grade report, letter of permission, drop/add form, ID card, or other college document.
- Falsifying medical documentation that has a bearing on campus access or the excuse for absences or missed examinations and assignments.

15.14.5. Levels of Plagiarism: would be quantified into following levels in ascending order of severity for the purpose of its definition:

For undergraduate

- (a) Level 0: Similarities up to 20%
- (b) Level 1: Similarities above 21% to 40%
- (c) Level 2: Similarities above 41% to 60%
- (d) Level 3: Similarities above 60%

15.14.6. Author shall be required to check for plagiarism by using the software available in the university before submission of assignment, paper to the college/conference/Journal.

Penalties Which Can be imposed

Penalties in the cases of plagiarism shall be imposed on students pursuing studies at the level of undergraduate, Masters and on researcher, faculty & staff of the University only after academic misconduct on the part of the individual has been established without doubt, when all avenues of appeal have been exhausted and individual in question has been provided enough opportunity to defend himself or herself in a fair or transparent manner.

Penalties in case of plagiarism in the submission of assignments, thesis, and dissertations

University Academic Integrity Panel (UAIP) shall impose a penalty considering the severity of the Plagiarism. For undergraduates.



(I) Level 0: Similarities up to 20% - Minor Similarities, no penalty.

(II) Level 1: Similarities above 21% to 40% - Such a student shall be asked to submit a revised script within a stipulated time not exceeding 6 months.

(III) Level 2: Similarities above 41% to 60% - Such a student shall be debarred from submitting a revised script for a period of one year.

(IV) Level 3: Similarities above 60% -Such student registration for that programme shall be cancelled.

15.15 Withdrawals

If a student with academic deficiency desires a withdrawal, he/she may apply for the same using the withdrawal form available in the Office of the Registration.

If a student withdraws without any written permission or absconds, he/she will not be eligible to get any recommendation letter or NO Objection Certificate from the University later.

15.16 Study Time Limitation

The maximum allowable study time for any program is twice the duration of the program's specified study period. For transfer admissions, the maximum study time limitation is determined by doubling the remaining duration of the study period for the year the student is admitted to.

15.16.1 Postponement of Study/Leave of Absence

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

- Leave of absence for personal and non-medical reasons is processed by the Dean of the respective Colleges upon receipt of a written request from the student.
- Leave of absence may be granted to students, who are in good academic standing (GPA > 2.0).
- For medical leave of absence, students must proceed through the Dean of the College to the Office of the Registration.
- Granting of medical leave will not entitle the student to appear for any exam if the attendance is less than 75%. [TW15]
- The college reserves the power to strike a student's name from the rolls if they are absent for longer than three months or if they fail to notify the college in writing with good cause.
- If the absence exceeds two years, the institutions will not consider the case of any student for rejoining the program.



15.17 Course Grading System

Students shall be assigned grades (letters) for each course in which they are examined. The letter reflects the student's achievement in the course. The minimum grade for passing a course is letter "C". The grades and their grade point equivalents are given in the table below.

Description	Grade	Grade Point	Percentage
Outstanding	A+	4.0	95 - 100
Excellent	A	3.75	90 - 94
Very Good	B+	3.5	85 - 89
Good	B	3.0	80 - 84
Satisfactory	C+	2.5	75 - 79
Pass	C	2.0	70 - 74
Fail	F	Below 2	Below 70
Pass (in pass/fail	P	-	70 and more
Fail (in pass/fail	F	-	0 -69

15.18 Grade Point Average / Cumulative Grade Point Average

Grade Point Average "GPA" reflects the student's achievements in an academic year; while Cumulative Grade Point Average "CGPA" reflects the student's achievements in the entire program.

The GPA is calculated by multiplying the grade of each course by the number of its credit hours, and dividing the total by the number of total credit hours taken during the semester.

The CGPA is calculated in a similar manner as the GPA but takes into account all courses a student has taken during the entire program.

Both GPA and CGPA are rounded to the nearest two decimal units.

However, some courses within any program may be denoted as not contributing to the GPA and CGPA (see below)

Example of GPA calculation:

Course	No. of Credits	Grade	Grade Points
Anatomy	3	4	12
Biochemistry	3	4	12
Physiology	3	2	6
Pharmacology	3	3	9
Pathology	3	3	9
Total	15	16	48



GPA	=	$(3 \times 4 + 3 \times 4 + 3 \times 2 + 3 \times 3 + 3 \times 3)$	=	48	=	3.20
		$3 + 3 + 3 + 3 + 3$		15		

General Education courses will be assessed, evaluated and graded as any other course, but their grade points will not be taken into consideration for calculating the GPA or CGPA.

Grades earned in courses taken at other institutions and transferred to the University are not reported and not included in any GPA calculations.

In MD Years 1 and 2, Objective Structured Clinical Assessment (OSCE), which will be evaluated and graded, will not contribute towards GPA and CGPA.

15.18.1 Grade Appeals

Students may view their answer scripts of the final [TW16] and Repeat Examination by applying in writing to the Assessment Office within 5 days of declaration of results. This will be done in the Assessment Office in the presence of an authorized person from that Office.

A student may appeal against a grade of the Assessment within 5 working days from the announcement of the results by paying the appropriate fees for reevaluation of the answer scripts. A written request together with the receipt of payment should be forwarded to the Assessment Office. The Assessment Office shall make arrangements with the respective Chairperson for reevaluation. If necessary, an Assessment Committee may be called to discuss a change of Grade. Any change of grade will be informed to the student by the Assessment Office. No reevaluation shall be allowed under any circumstances for the MCQs.

15.19 Announcing of Grades

The Grades will be announced as per the dates mentioned in the Academic Calendar.

Students wishing to receive their grades electronically may submit a request to the Office of the Registration. Students are required to fill in the appropriate form and hand it over personally to the Office of the Registration for this purpose.

Request for results over the telephone will NOT be entertained.

15.20 Graduation

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

- Must have satisfactorily full filled all the academic requirements including attendance.
- Must have obtained pass grades in all courses of the program with minimum CGPA of 2.00.



- Must have participated at least 40 hours of community service [TW17] to be eligible [TW18] for graduation.
- At least 50% of total credits required for the program must have been earned at RAKMHSU.
- The student becomes a degree candidate when the program Dean on the advice of Chairperson, Recommends him/her to the University Trustees for conferring the appropriate degree.
- Students must have met all financial obligations to the University within the time specified. The certificate for graduation and transcripts will be withheld if there are any dues to the university.
- In order to qualify for graduation the student must earn 160 credits for the: B. Pharm program, these credits are exclusive & General Education courses.

15.21 Bachelor Degree Academic Honors

Academic Honoring of the Bachelor Degree is classified as follows:

CGPA 3.75 or higher : Pass with Distinction

CGPA 3.0 - 3.74 : Pass with Merit

CGPA 2.0 - 2.99 : Pass

15.22 Academic Awards

Academic performance will be judged based on the cumulative GPA for the courses during the academic year, excluding General Education and any other courses not included in CGPA for the program.

In the event of a tie the positions will be decided by raw scores obtained by the students, participation in co-curricular activities such as scientific conferences, workshops etc., attendance and extra-curricular activities in that order. To be placed on the Students' Academic Honor List, a student must:

- Have passed all courses offered for the academic year including general education at the main Final Examination.
- Have at least a CGPA of 3.5 or higher for every academic year during the program.
- Have no disciplinary action against him/her/for the last two years.

a) Annual Academic Honors

Each academic year, The University awards honors to students with the best academic achievement during that academic year. The top three performers in each of the years in all undergraduate



programs will be awarded the honors. Award is given at the University Awards day.

b) President's Merit List

Students who have successfully completed the undergraduate program with Distinction (CGPA of 3.75 and above) are listed in the President's Merit list. Award is given at the University convocation.

c) University Gold Medal

University Gold Medal is given for Best Academic Performance and Best Outgoing Student with highest CGPA of that batch. Award is given at the University convocation.

15.23 Transcripts

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

- A listing of all courses registered and the grades achieved.

Student may request transcripts of their academic record at the Office of the Registration upon written request approved by the Dean of the College, along with the prescribed fee.

15.24 Award of Degree

Degree certificates in English and Arabic shall be processed by the Office of the Registration. To avail degree certificate, the student must satisfy graduation requirements. Degree certificates shall be issued during Convocation which will be held annually. It contains the following information:

- A statement of the degree attained including the date of convocation.



16. RAKMHSU Members

16.1 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

16.2 List of Senior Administrators

S.No.	Name	Designation
1	Dr. Ismail Ibrahim Ali Matalaka	President
2	Dr. Ali Hasan Shibli Hajeer	Vice President - Academic Affairs
3	Dr. Mohamed El -Tanani	Vice President - Research and Acting Dean - RAK COP
4	Dr. Elsheikh Elsiddig Elsheikh Ahmed Badr	Executive Director- Center for Health Workforce Development and Professor- Community Medicine
5	Dr. Laxminarayana Kurady Bairy	Dean, RAK COMS and Professor (Pharmacology)
6	Dr. Muhammed Mustahsen Rahman	Dean - RAK CODS
7	Dr. Ibrahim Ghaleb Ali Alfaouri	Dean - RAK CON
8	Dr. Manal Mahmoud Sami Mohd.	Dean - Student Affairs, Professor - Pathology
9	Dr. Tamer Salama Abdelsalam Ismaiel El-Marsafawy	Dean - Institutional Effectiveness, Quality Assurance & Accreditation
10	Dr. Nagaraj Ganesan	Deputy Director, Assessment (In charge- Assessment)
11	Dr. Omer Eladil Abdalla Hamid Mohammed	Deputy Director- CEDAR
12	Mr. Saleem Khader Syed	Deputy Director- Finance & Accounts
13	Mr. Mohammad Danish	Sr. Manager - Human Resources
14	Mr. Naseeroddin Patel	Sr. Manager - IT Services



15	Ms. Rima Ghaleb Altaki	Sr. Manager - Registrations
16	Ms. Rasha Zakaria El Youssef	Manager - Admissions & Marketing
17	Mr. John Emmanuel	Manager - Facilities Management

16.3 RAKCOP Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1.	Dr. Mohamed El -Tanani	Acting Dean- RAK COP	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. Sathvik Belagodu Sridhar	Associate Dean- RAK COP & Professor	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.
3.	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.
4.	Dr. Ikramy Abdelraheem Khalil Ibraheem	Professor	Ph.D. – Pharmaceutical Sciences (2006), Master of Pharmaceutical Sciences (2003) (Hokkaido Uni.), B.Sc. (1997) (Assiut Uni.): Egypt.
5.	Dr. Areeg Anwer Ali	Professor	Ph. D-Pharmacology (2005); M. Pharm -Pharmacology (2000) (Hamdard Uni.), B. Pharm (1998) (Saurashtra Uni.): India.
6.	Dr. Sirajunisa Talath	Professor	Ph.D- Pharmaceutical Chemistry (2007), M. Pharm (2002) (Rajiv Gandhi Uni. Of Health Sciences),B. Pharm (1997)(Gulbarga Uni.): India
7.	Dr. Syed Arman Rabbani	Associate Professor & Chairperson In -Charge	Ph.D Pharmaceutical Medicine (2013); M. Pharm. (2010); B. Pharm (2008); Jamia Hamdard University, India
8.	Dr. Tarun Wadhwa	Associate Professor & In-charge Documentation Center	Ph.D. (Clinical Pharmacy) (2014) (KLE Uni., India); M. Pharm. (2007) (MAHE, India); B. Pharm (2004) (MDU, India)
9.	Dr. Adil Farooq Wali	Associate Professor & In-charge Institutional Effectiveness	Ph. D - Pharmaceutical Sciences (2015), M. Pharm. (2012) (Kashmir Uni.), B.Ph arm.(2006) (Punjab Tech. University): India.



10.	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
11.	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)

16.5 General Education Faculty

S.No.	Name of Faculty	Designation	Degree / Institution
1	Dr. Omar Al Jadaan	Professor, Chairperson - Gen. Edu.	Ph. D - Computer Sciences & Eng. (2010) (Osmania Uni.) (India), M.Tech. (Computer & Information Sciences) (2004) (Uni. Of Hyderabad), B.E. Electrical & Electronics Eng. (1996)(Aleppo Uni.): Syria
2	Dr. Nawar Nezar Mohamed Saeed Saleh Alaani	Associate Professor - Arabic Language and Islamic Studies	Ph.D. (Islamic Studies) (2010)(Islamic Beirut University) (Lebanon), M A (Islamic.) (2000) & Bachelors (Islamic.) (1998): (International Islamic University Malaysia):
3	Dr. Huma Zaidi	Associate Professor	Ph.D (English) (2002), MA (English Lit) (1990), BA Hons (1988),(AMU) B.Ed (1995) (Annamalai Uni.): India
4	Dr. Omnia Ibrahim Mohamed Hassanein	Associate Professor - English	Ph.D. (English Lit.) (2003) (Helwan Uni.), Masters (Eng. Lit.) (1996) BA (English) (1991) (Ain Shams Uni.): Egypt