



جامعة دبي الطبية
DUBAI MEDICAL UNIVERSITY

DUBAI MEDICAL UNIVERSITY

POSTGRADUATE CATALOG



M. Pharm Clinical Pharmacy

2024 – 25



Praise be to Allah who taught man what he did not know and guided His servants through knowledge to the path of piety and obedience to Him. He Himself says in the Holy Book: Only those of His servants who are endowed with knowledge truly fear Allah. (35:28).

And Allah's peace and blessing be upon Prophet Muhammad who taught humanity all things good and guided it to righteousness and piety.



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President of the United Arab Emirates

**H. H. General Shaikh Mohammad Bin
Rashid Al Maktoum**

Vice President and Prime Minister of the
United Arab Emirates and Ruler of Dubai



**H. H. Shaikh Hamdan Bin Mohammed Al
Maktoum**

Crown Prince of Dubai



Late Haji Saeed Bin Ahmed Al Lootah (1923-2020)

Founder Haji Saeed Ahmed Al Lootah is famous for his diverse and successful business ventures, non-profit educational institutions, entrepreneurship, veracity as well as its profound dedication to corporate citizenship and sustainable development. His success spans across key business sectors from construction, real estate, and energy conservation to financial services, applied research, ICT, education, hospitality, media, and healthcare among others.



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1. INTRODUCTION

Dubai Medical University (DMU) embodies the visionary legacy of the late H.E. Saeed Ahmed Lootah, a trailblazer in UAE education. The inception of Dubai Medical College for Girls in 1986 and Dubai Pharmacy College in 1992 attests to his commitment. Recognizing the importance of interdisciplinary collaboration and a holistic approach to healthcare education, the transformative merger of these established institutions, along with the recent addition of the College of Nursing in 2023, marks a significant milestone—the birth of Dubai Medical University.

This evolution aims to establish a comprehensive healthcare education institution offering a diverse range of programs, from undergraduate to postgraduate degrees, across various healthcare fields. The establishment of DMU not only elevates educational standards but also provides students with a more inclusive and well-rounded learning experience, impacting the healthcare industry in Dubai and the UAE positively.

This preface introduces the exciting journey of quality enhancement undertaken by Dubai Medical University—a journey that reshapes medical, pharmaceutical, and nursing education, envisioning a future where healthcare professionals collaborate seamlessly across disciplines to enhance patient care.

2. DMU ACADEMIC CALENDAR

DMU Academic Calendar- Academic Year 2024 - 2025		
Event	Day	Dates
Fall Semester		
Faculty and Admin orientation	Monday	19-Aug-2024
DMU General orientation and college orientation	Tuesday & Wednesday	22-Aug-2024 & 23-Aug-2024
Commencement of classes	Monday	26-Aug-2024
Add /Drop	Monday to Monday	26-Aug-2024 to 09-Sept-2024
DPCG White coat ceremony	Monday	09-Sept-2024
Orientation & beginning of M. Pharm Clinical Pharmacy 1st Semester classes	Saturday	07-Sep-2024
Prophet's Birthday*	Sunday	15-Sept-2024
Last day to withdraw from courses	Monday	07-Oct-2024
Midterm Exams**	Monday	14-Oct-2024 to 04-Nov-2024
Commemoration Day	Saturday	30-Nov-2024
UAE National Day	Monday & Tuesday	02-Dec-2024 & 03-Dec-2024
Final Exams of BPharm	Monday to Friday	09-Dec-2024 to 20-Dec-2024

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Winter Break	Monday to Sunday	23-Dec-2024 to 05-Jan-2025
Beginning of Final Exams for M. Pharm	Sunday	12-Jan-2025
Announcement of Final Exams result	Wednesday	25-Dec-2024
Beginning of Re-sit Exams of BPharm	Monday to Tuesday	06-Jan-2025 to 14-Jan-2025
Spring Semester		
Commencement of classes	Monday	06-Jan-2025
Add/Drop	Monday to Monday	06-Jan-2025 to 20-Jan-2025
Last day to withdraw from courses	Monday	17-Feb-2025
Midterm Exams**	Monday to Friday	24-Feb-2025 to 14-Mar-2025
Holy month of Ramadan begins*	Friday	28-Feb-2025
Commencement of Classes for M. Pharm 2nd Semester	Saturday	08-Feb-2024
Spring Break	Monday to Sunday	24-Mar-2025 To 30-Mar-2025
Eid Al Fitr*	Saturday to Tuesday	29-Mar-2025 to 01-Apr-2025
Final Exams	Monday to Friday	28-Apr-2025 to 09-May-2025
Announcement of Final Exams result	Saturday	10-May-2025
Beginning of Re-sit Exams	Monday to Sunday	12-May-2025 to 18-May-2025
Beginning of Final Exams for M. Pharm	Sunday	01-Jun-2025
Summer Semester (1)		
Orientation of Introductory Professional Practice Experience & Exam, 2nd year (IPPE-01)	Friday	16-May-2025
Orientation of Introductory Professional Practice Experience- Health care setting & Exam, 3rd year (IPPE-02)	Friday	16-May-2025
Commencement of classes***	Monday	19-May-2025
Add/Drop	Monday to Monday	19-May-2025 to 26-May-2025
Last day to withdraw from courses	Monday	02-Jun-2025
Introductory Professional Practice Experience - Health care setting (IPPE-02), 3rd year	Monday to Friday	19-May-2025 to 20-Jun-2025

Introductory Professional Practice Experience (IPPE-01), 2nd year	Monday to Friday	19-May-2025 to 27-Jun-2025
Eid al Adha holiday*	Thursday to Sunday	05-Jun-2025 to 08-Jun-2025
Industrial Training (INTR), 3rd year	Monday to Friday	23-Jun-2025 to 27-Jun-2025
Hijri New Year*	Friday	27-Jun-2025
Final Exams	Monday to Friday	30-Jun-2025 to 04-July-2025
Announcement of Final exam result	Saturday	05-July-2025
Summer Semester (2)		
Orientation of Introductory Professional Practice Experience & Exam, 2nd year (IPPE-01)	Sunday	6-Jul-2025
Orientation of Introductory Professional Practice Experience- Health care setting & Exam, 3rd year (IPPE-02)	Sunday	6-Jul-2025
Beginning of Introductory Professional Practice Experience - Health care setting (IPPE-02), 3rd year	Monday to Friday	7-Jul-2025 to 1-Aug-2025
Beginning of Introductory Professional Practice Experience (IPPE-01), 2nd year	Saturday to Friday	7-Jul-2025 to 8-Aug-2025
Summer Vacation Begins for both faculty and students	Monday	07-Jul-2025
*: Islamic holidays are determined after sighting of the moon. Thus, actual dates may not coincide with the dates in the calendar		
**: The midterm exams will be held during class time		
*** For transfer students or those retaking courses		
End of Summer Holiday for Faculty Members: Sunday, 17August, 2025		
Beginning of Academic Year 2025-2026 for the students: Monday, 25 August, 2025		

3. DMU VISION, MISION, AND STRATEGIC GOALS

DMU Vision

Empower the next generation of health care leaders.

DMU Mission

DMU is committed to educate and nurture the next generation of competent health care professionals by providing an excellent learning environment, innovative research, and compassionate patient care to serve humanity.

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DMU mandate:

- To educate and develop highly skilled and compassionate health care professionals who are prepared to meet the needs of patients and the community.
- To conduct innovative research that advances the knowledge and practice of medicine.
- To provide high quality patient care in a safe and compassionate environment.
- To serve the community by providing education, research and clinical services that promote health and wellbeing.

DMU Strategic Goals

Goal 1: To enhance student experience and inspire ethical culture and success.

Goal 2: To promote academic excellence through an innovative learning environment.

Goal 3: To be the leading center of excellence in medical research and education.

Goal 4: To engage in strategic partnership and community outreach.

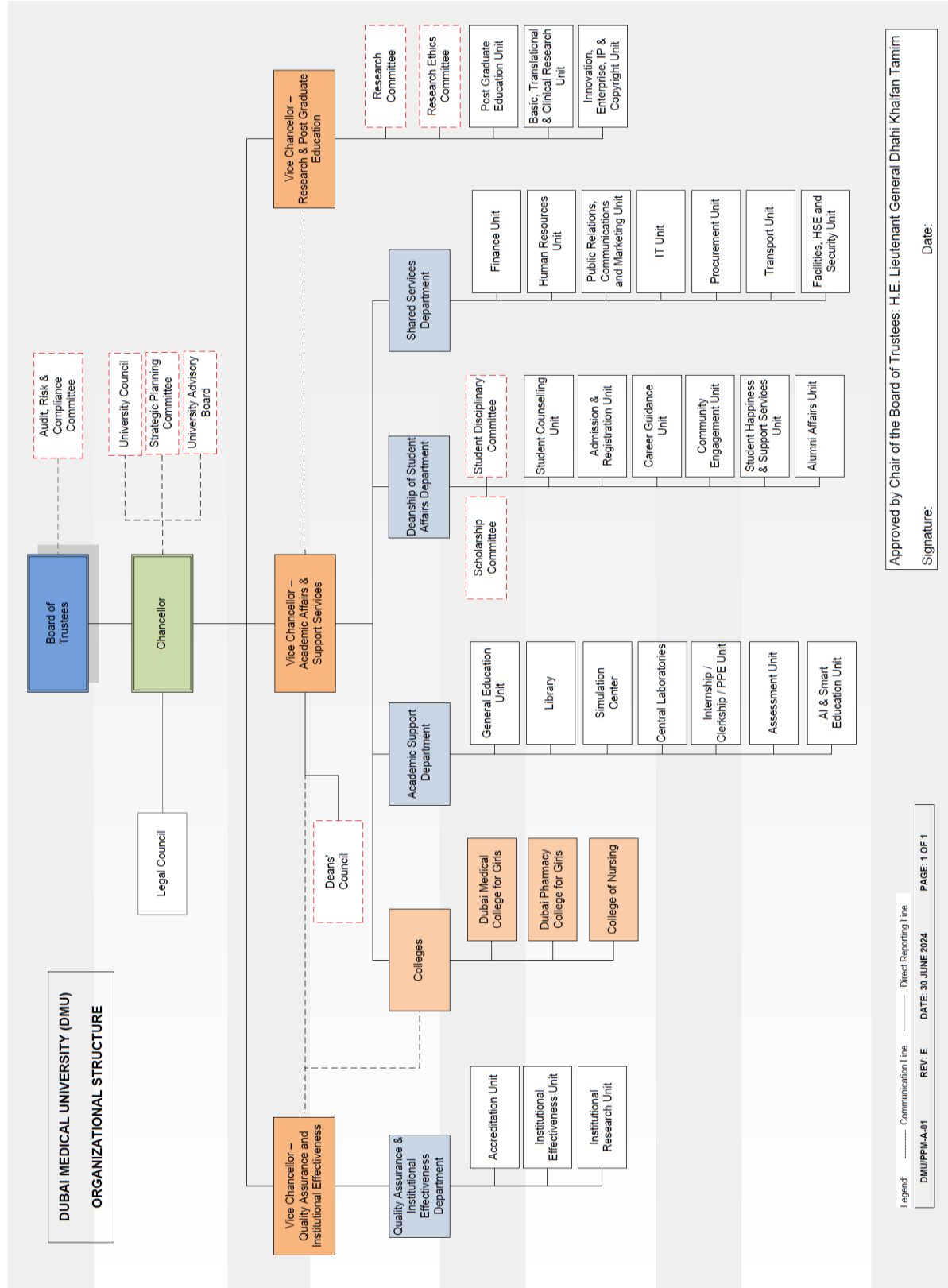
Goal 5: To enhance development of human capital, professional knowledge, and skills.

Goal 6: To expand health education programs.

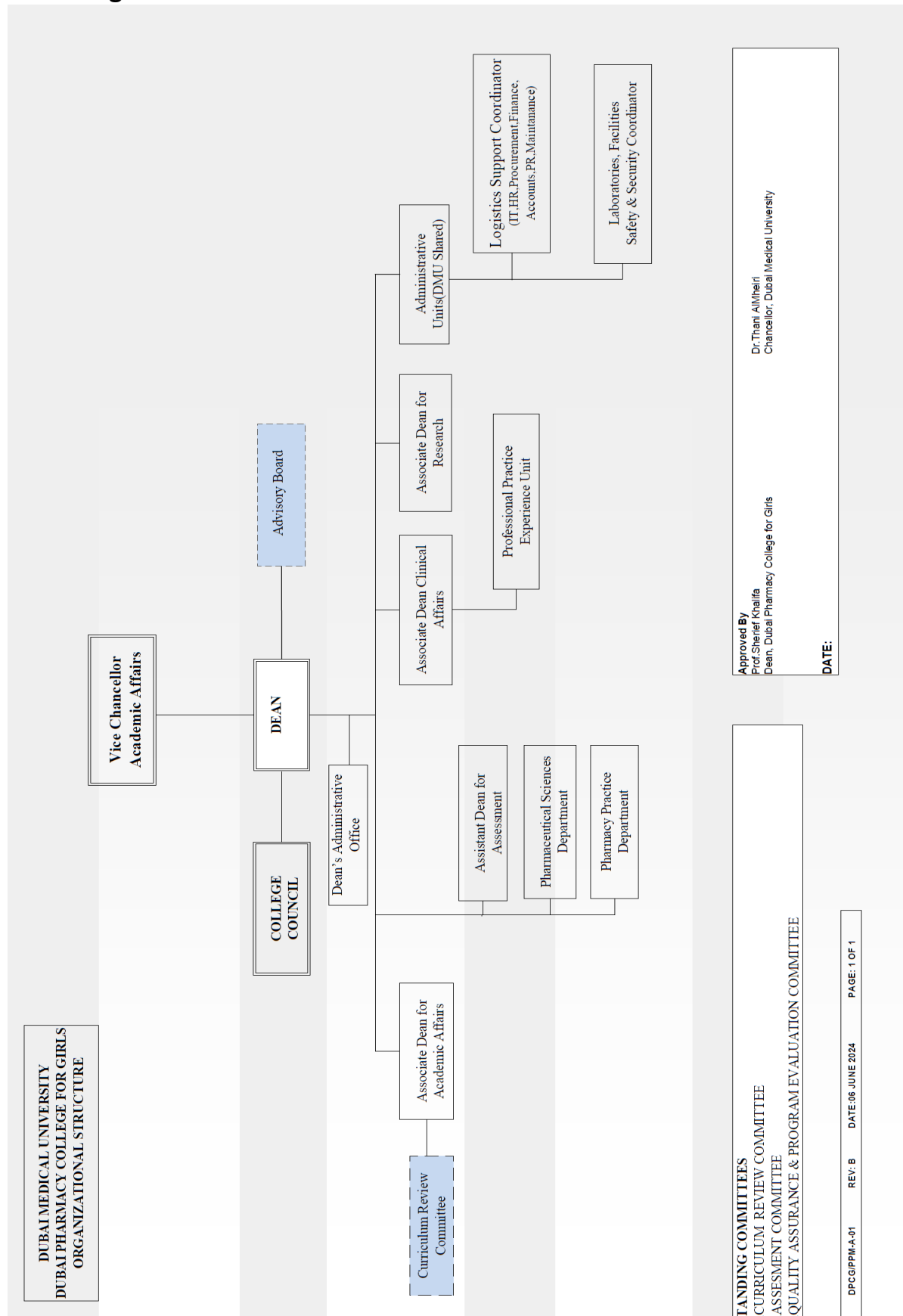


4. ORGANIZATIONAL STRUCTURE

DMU Organizational Structure



DPCG Organization Structure



5. VISION, MISSION & GOALS OF COLLEGE

Vision, Mission, and Goals of DPCG:

Vision	Mission	Goals
“To serve the healthcare community by nurturing competent and professional pharmacists while promoting a learning environment that fosters innovation, leadership, continued professional development and quality assurance, making DPCGG one of the leading institutions for pharmacy education in the region.”	“DPCG is committed to providing accredited pharmacy education at undergraduate and graduate level to female students based on Islamic values, the advancement of pharmaceutical knowledge through research and community service in order to serve the pharmacy profession, the scientific community and the public.”	1. Attract & Retain Qualified Students by Inspiring Culture of Success. 2. Integrated Technology for Effective Student Experience. 3. Provide Quality Pharmacy Education. 4. Research & Innovation. 5. Develop Human Capital. 6. Enhance Strategic Alliance and Engagement.

6. PROGRAM ACCREDITATION, RECOGNITION AND LICENSURE

Dubai Medical University, a private higher education institution in Dubai - UAE, is licensed by the Commission for Academic Accreditation (CAA) from xx, 20xx, to xx xx, 202x. The university offers Bachelor's, and master's programs in Medicine and Health Sciences, all of which are accredited by the Commission for Academic Accreditation, Ministry of Education – Higher Education Affairs, Abu Dhabi, UAE.

National Accreditation:

Dubai Pharmacy College is fully licensed, and all its programs are accredited by the Commission for Academic Accreditation (CAA) under the Ministry of Education in the United Arab Emirates.

Dubai Pharmacy College for Girls

Master of Pharmacy - Clinical Pharmacy (MPharm-CP)

- ✓ Initial Program Accreditation: October 2013
- ✓ Subsequent accreditation dates: 7 November 2019; 31 January 2024
- ✓ The next accreditation due date: 1 September 2027
- ✓ Website: <https://www.caa.ae/Pages/Programs/Details.aspx?GUID=1046>

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7. RESOURCES AND PHYSICAL SETTING

Lecture Halls

Lecture halls are duly equipped with state-of-the-art audio-visual aids and wireless network access. Six lecture halls in the DMCG building, four in the DPCG building and five in LTC including the lecture rooms inside Clinical Skill Lab 210, Simulation Center 202 and Exam Hall 208.

Laboratories for Master of Pharmacy - Clinical Pharmacy (MPharm-CP):

Pharmacy Practice Laboratory	This lab provides students with facilities to: • Correlate the didactic teachings with practical applications. • Integrate the teaching of basic pharmacology into clinical cases. • Provide incentive students for self-development of the knowledge on the therapeutic status of the drugs. • Develop the professional skills needed in pharmacy practice. • Give hands-on experience to work in community pharmacy. • Be trained in outpatients and bedside counseling. • Be trained to handle various devices like nebulizers, blood sugar tests, MID, and others.
Biostatistics Laboratory	This lab provides students with facilities to: Perform data analysis techniques specific to biological or health-related datasets. This includes descriptive statistics, inferential statistics, and advanced statistical methods. Conduct literature search and develop a scientific research proposal or conduct hypothesis tests to evaluate research questions in biology, medicine, or public health. Design experiments or observational studies in a way that minimizes bias and maximizes the chances of detecting meaningful effects. Familiarize students or researchers with statistical software packages commonly used in biostatistics, such as EXCEL analytical techniques and SPSS techniques. Train students to complete the Capstone project data analysis and data interpretation.
Comprehensive Health Assessment Lab	The lab is located on (Simulation Centre Room 204).). Some procedures and skills include Performing a physical examination of the Skin, Hair, and Nail, the Head and Neck, Respiratory system, and Cardiovascular and Peripheral Vascular System.
OSCE	OSCE is used as a method for assessing knowledge and skills in performing clinical skills required for nursing practice. It is performed in a safe environment where certain skills can be applied to multi-functional manikins or other students through simulation or role playing. As previously stated, OSCE stands for: Objectivity - educators use a predefined checklist for the evaluation of students. The checklist is written in a standardized way. It should be valid, i.e. measure the knowledge of the student. Measurement should be

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	objective (not dependent on the examiner), reliable (that is, more measurements result in the same or similar data), and sensitive (allows for differentiation in the results of the variables to be measured). Structured - all students have the same tasks that must be solved in the same time frame. Clinical - tasks that are put before students are identical to actual clinical situations. Examination - assessment of skills using a formal test of knowledge or skills.
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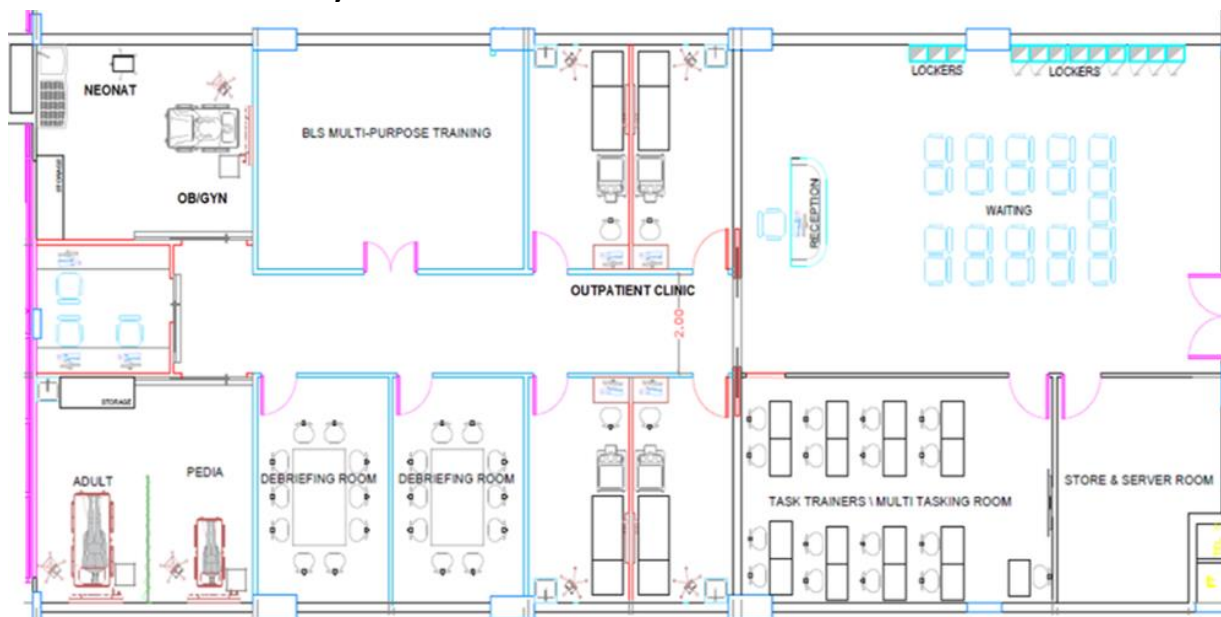
Simulation Center

Simulation Center is currently a functional unit under the Academic Affairs Department, and an active learning resource of Dubai Medical University. The Center offers a wide variety of simulation activities both internally and with external business partners. This state-of-the-art center is keen on training healthcare professionals in a simulated environment with a focus on enhancing patients' safety and quality of care.

The simulation center has acquired -fidelity simulators and task trainers. This inventory covers more than 10 specialties with a large range of basic/advanced clinical skills. The center has the following members with different roles and responsibilities to ensure effective and efficient operation.

- **Director:** The Director is responsible for the overall management and operation of the simulation center. S/he oversees the daily operations of the center, manages budgets, and ensures that the center meets the needs of its stakeholders. S/he also provides leadership to the staff, sets goals and objectives, and develops policies and procedures.
- **Simulation Educator:** The Simulation Educator is responsible for developing and delivering simulation-based educational programs for healthcare professionals. S/he designs and develops scenarios that simulate real-life healthcare situations and provides training to healthcare providers using simulators and other equipment.
- **Simulation Technologist:** The Simulation Technologist is responsible for maintaining and operating simulation equipment and technology. He ensures that the equipment is in good working condition, troubleshoots any issues that arise, and assists with setting up simulations.

- **The Simulation Facility:**



Physical Location: 2nd Floor Lootah Technical Center, Muhaisnah 1, Dubai, United, Arab Emirates.

- **Mailing Address/Email Address:** Simulation Center, Lootah Technical Center, Muhaisnah 1, Dubai, United Arab Emirates. simulation@dmcg.edu (Temporary email).
- **Hours of Operation:** DMU Sim Center normally operates from 7:30 AM to 3:30 PM, Monday through Friday. After-hours and weekend activities require preapproval by the DMU Simulation Center Director.

Simulation Center is situated in No 202, 204 and 206 (OSCE Center) and consists of several clinical environments:

Reception Area	This area serves as an entrance for the students to register their attendance and receive the task that they're appointed to perform. Plus, it serves as hospital admission area to simulate patient registration, check-in, and waiting rooms in a clinical setting in a medical simulation scenario.
Task Training Room	Students use this space to enhance their psychomotor skills. This Lab combines theory with practice, allowing them to experience self-learning and helping them to improve their readiness for an actual clinical environment.
OB/GYN Room	Equipped with a high-fidelity birthing manikin and high-fidelity infant manikin; students are practicing different scenarios of OB/GYN and Neonatology care scenarios in this room.
ICU/Emergency Room	This room comprises both adult and pediatric multipurpose high-fidelity manikins. Students train and enhance their skills for ICU practice and emergency response.

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Outpatient Room	Students receive Standardized Patients, as in a real clinic using this room. They learn the process of examining, assessing, and treating a patient. Students practice history taking, decision making and practice communication skills in this area.
Debriefing Room	At the end of each simulation session, the instructors invite the students to reflect on their actions, decisions, and overall performance during the simulation. Participants receive feedback on their strategies, communication, problem-solving and other skills relevant to the simulation utilizing this room.
Control Room	As a major component of any simulation center. This space provides the ability to monitor, record, and remotely control the simulation scenario, where facilitators and simulation technicians monitor and run each scenario.
OSCE Center & Surgical Simulation Training (Program Expansion)	Objective Structured Clinical Exams (OSCEs) provide a reliable and standardized method for assessing resident performance through direct observation which can focus on specific areas or skills. The main objective of an OSCE is to assess and evaluate the skills of medical students in applying evidence and appropriate treatment options in critical situations with a standardized patient. The OSCE Lab is equipped with hybrid and wearable simulators to accommodate standardized patients for various medical cases. This Lab will be fully monitored with the Audio-Visual system that was already installed in phase one; the only thing required is processing with AV system expansion. Moreover, phase 2 will also include the addition of AI-Based Medical education tools integrating Virtual patient simulator, Virtual Reality (VR) and Mixed Reality solutions which will open several research opportunities.

Dubai Medical University – Physical Resources as per Building

Dubai Medical University – Physical Resources per Building		
DPCG Building	DMCG Building	LTC Building
Ground Floor	Ground Floor	First Floor
Pharmaceutics Research Laboratory 1	Microbiology Laboratory	Pharmaceutical Chemistry Laboratory
Pharmaceutical Analysis & Research Laboratory	Anatomy Laboratory	Pharmacology Laboratory
Pharmaceutical Research Lab 2	Biochemistry Laboratory	Pharmacy Practice Laboratory
Instrumental Analysis Lab	Pathology Laboratory	LMS Laboratory
First Floor	Physiology Laboratory	Biostatistics Laboratory
Bioactive Natural Products Research Laboratory	Histology Laboratory	Central Research Laboratory
	Pharmacology Laboratory	Second Floor
		Clinical Skill Lab
		OSCE Center

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			Simulation Center 1
			Simulation Center 2
			DMU Library
DMU Lecture Halls			
First Floor – DPCG			First Floor - DMCG
Classrooms	B.Pharm	M.Pharm	Second Floor - LTC
			Lecture room A-101
1	First Year	First Year	Lecture room A-102
2	Second Year		Lecture room A-103
3	Third Year		Lecture room B-101
4	Fourth Year		Lecture room C-101
			Lecture room C-102

DMU Library

The DMU Library or Learning Resource Centre (LRC) situated at LTC building, 207 is equipped with recommended textbooks, peer-reviewed journals, and the latest databases to satisfy the information needs of users as per the modern trends. The library collection is made up of both printed and electronic material, mostly in the subject areas of medicine, pharmacy, and nursing disciplines. There is the provision of computers with internet connection and Wi-Fi to access electronic resources and search the web. The library contains individual study rooms, group study rooms, and a seating area with proper ventilation and lighting. The professionally qualified staff of the library make every effort to facilitate users and are responsible for library instruction, circulation, reference, and information services. Reprographic service is also provided by the library. The library always tries to widen its scope through Inter-Library Loan.

Library opening hours	- Monday - Thursday 7.30am – 8.00pm - Friday 7:30am- 12:00pm - Saturday-Sunday open 10.30am- 3.30pm - The library will remain closed on public holidays.
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Learning and Assessment Center

This center is equipped with 80 plus computers and projection facilities, where online examinations are conducted.

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Technological Resources

Learning Management System (LMS)

The DMU provides the students with the LMS (Learning management system) to facilitate digital learning/e-learning. The LMS is a software application for the administration, documentation, tracking, reporting and delivery of electronic educational course materials or other training programs.

You will be provided with a unique username and password which will allow you to login to the LMS system.

On the LMS system you can do the following:

- Read the updated news from the DMU or from a specific course.
- View, read and download course material, video recordings and presentations.
- Submit responses to assignments, upload thesis and research papers and use the anti-Plagiarism (Turnitin) software for originality checking.
- Take Quizzes, upload assignments.
- View Total Grades for specific subject exam or Final result.
- Raise your voice and speak your opinion or exchange comments on discussion forum general or specific to each course subject.
- Perform Subject / Module Survey and record the results on the LMS.
- View the course / general calendar and see all important events in your college and deadlines for different activities.
- Customize your account settings such as Profile; change password and upload your own Photo.
- Use General / Private Chat tool and internal email system to communicate with your instructor.
- When you need to know how to maximize the use of LMS you can go to the section of “@D2I friend of students” to find material, video, documents, and tutorials on how to use our LMS.

DMU, a forward-thinking educational institution, strategically utilizes cutting-edge technologies within its *Learning Management System* (LMS) to enhance the overall learning experience for its students. With a strong commitment to academic integrity, DMU employs state-of-the-art exam proctoring tools like *Exam soft* embedded within its LMS. These tools leverage facial recognition, eye tracking, and screen monitoring to authenticate students during online examinations, ensuring a secure testing environment.

To combat plagiarism and uphold the highest standards of academic honesty, DMU integrates powerful plagiarism checkers into its LMS like *Turnitin*. These tools scan and analyze submitted assignments, identifying, and preventing any instances of unauthorized content. This proactive approach not only safeguards the integrity of the evaluation process but also nurtures a culture of originality and ethical scholarship among the student body.

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Furthermore, DMU understands the importance of seamless communication and collaboration in the digital learning landscape. By integrating *Microsoft Teams* into its LMS, the institution fosters real-time interaction and engagement among students and educators. This integration facilitates virtual classrooms, group discussions, and collaborative projects, enhancing the overall educational experience.

In leveraging these technologies cohesively, DMU demonstrates its commitment to providing a technologically advanced and secure learning environment. By embracing innovation in education technology, DMU empowers its students with the tools and skills needed to thrive in a digitalized world while maintaining the highest standards of academic integrity.

8. COOPERATIVE RELATIONSHIPS

Dubai Medical University (DMU) is well-recognized on national, regional, and global levels. Building partnerships with respected national and international organizations is a cornerstone of our strategic framework. DMU is committed to fostering ongoing collaborations in academics and research with esteemed universities. We have established formal Memoranda of Understanding (MoUs) with several universities and organizations to strengthen these relationships and fulfill our mission of global knowledge exchange. Over the past four years, DMU has initiated more than 50 active MoUs to facilitate collaborations both locally and internationally, demonstrating our dedication to advancing educational and research endeavors.

DUBAI MEDICAL UNIVERSITY					
DPCG Partnership (Master of Pharmacy - Clinical Pharmacy (MPharm-CP))					
No	Partner	Scope	Department/Unit	Date of Signing	Validity
1	University of Strathclyde, UK	Research Collaboration	Research and Faculty Development	19-Dec-17	Five years Under renewal
2	Universitas 17 Agustus 1945 Jakarta	Faculty exchange, Sharing resources, joint research	Research and Faculty Development	6-Oct-20	Six years
3	Madda Walabu University, Ethiopia	Education, research, training and dissemination of information	Research and Faculty Development	9-Dec-22	Five years
4	Manipal Academy of Higher Education, Dubai	Academic/Research collaboration	Research and Faculty Development	23-Nov-19	Five years
5	Smt. Kishoritai Bhoyar College of Pharmacy, India	Academic/Research collaboration	Research and Faculty Development	1-Apr-23	Not specified

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6	Global Healthcare activities	Research, conference, CPD talks	Dept of Pharmacy Practice	13-Jul-23	12-Jul-28
7	Institute of Pharmaceutical Sciences, (IPS) University of Veterinary & Animal Sciences, (UVAS) Lahore, Pakistan	Research	Dept of Pharmacy Practice	01-Mar-21	28-Feb-26
8	KLE College of Pharmacy, India	Faculty exchange, Students exchange, Research	DPCG	10-Jan-24	09-Jan-29
9	Apollo Clinic	Community Outreach	Community Engagement Unit	03-Jul-23	Not specified
10	Ministry of Education (MOE), Higher Colleges of Technology - Center of Excellence for Applied Research & Training (CERT), EmSAT	DPCG is authorised EmSAT Exams centre	Admission and Dean's Office / Examination Unit	11-Oct-23	Not specified
11	MBRU-Dubai Health (DH)	M.Pharm Clerkship	Professional Practice Experience	1-Nov-23	31-Oct -2026
12	Emirates Health Service (EHS)	M.Pharm Clerkship	Professional Practice Experience	13-Mar-23	12/-March-2026
13	Fakeeh University Hospital	M.Pharm Clerkship	Professional Practice Experience	1-Apr-24	1-Apr-2026
14	Gulf Medical University, College of Pharmacy	M.Pharm Clerkship	Professional Practice Experience	1-June-21	31-May-2026
15	Saudi German Hospital (Ajman, Dubai and Sharjah)	M.Pharm Clerkship	Professional Practice Experience	26-Oct-22	1-Jun-2025

9. POSTGRADUATE PROGRAM/S AND DEGREE/S OFFERED

INSTITUTION:	Dubai Pharmacy College for Girls
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Degree:	Master of Pharmacy - Clinical Pharmacy (MPharm-CP)
Length & mode:	Two academic years, Full time
Academic period:	September to July
Minimum registration period:	2 years
Maximum registration period:	3.5 years
Student: faculty ratio	5:1
Program Director:	Prof. Mirza R. Baig

10. DMU ADMISSION REQUIREMENTS: POSTGRADUATE PROGRAM

General Information

DMU admits academically qualified and morally sound students irrespective of their national origin, color, gender, religion, or disability. Applicants who submit completed application forms and all supporting materials to the Admission Department by the specified deadlines shall be notified of their decision through their email and SMS. Applications received after the announced deadlines are considered on a rolling basis and the students are usually notified of decisions within three working days after completing the application file. Early admission is granted to outstanding students as evidenced by their Baccalaureate's Pharmacy Degree achievements. Fulfilling the following admission requirements does not guarantee admission to a program. These requirements represent a threshold for including the application in the competition pool. Admission is competitive and subject to availability of spaces in the desired program. The following stipulations pertain to admission to postgraduate programs. All applicants must satisfy the following basic admission requirements:

1. Completion of appropriate Baccalaureate's education or an equivalent level with the required average.
2. The applicant should not have been expelled from DMU or any other institution for academic or disciplinary reasons.
3. Applicants should indicate their program preference on the application form.
4. Applicants are accepted according to the grade average and depending on the capacity of each college.
5. Applicants should complete and submit the application form and required documents to the Admissions Department by the stated deadlines and pay the non-refundable application fee of AED 1050 (including 5% VAT).
6. This application fee is non-refundable if the applicant is rejected or withdrew from the university.
7. The applicants who are still in their high school seats will receive conditional admission until the final results are submitted, and fulfill the requirements based on competitive criteria.
8. A student will not be issued an ID or allowed to register in courses unless the admission file is complete, and the tuition fees are paid

Important General Notes:

1. Students fill out the application form personally and are responsible for the accuracy of the information filled in. Incomplete applications will be notified.
2. Students are responsible for completing all admission procedures by the specified deadlines, in accordance with the instructions of the Admissions Office as announced

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on the University Website. The university is not responsible for applications not completed by students on time. All students are required to visit the University's website (www.dmu.edu) to learn about the dates and locations of the admission exams, English proficiency requirements, and interviews.

- Admission is granted for the semester to which the student is applying. A student's admission will be cancelled if the student does not enroll in the same semester as when the application has been submitted.
- The university does not accept the submission of the original Certificate. Students are required to provide copies certified by the proper authorities.
- All documents submitted for admission to the university are considered the property of the university. Students are not permitted to request any documents from their personal file once submitted to a staff member.
- The University reserves the right to increase the fees every year.
- Students shall abide by all other university requirements.

Academic Qualifications:

Before being admitted, the student must have completed a Baccalaureate pharmacy degree prior to joining MPharm Clinical Pharmacy.

The applicant should have graduated from institutions licensed and recognized by the Ministry of Education in the UAE and must submit a certified copy of the specified certificates, with a grade script certified by the institution and the Ministry of Education or the Education Zone in the UAE.

An applicant who attended institutions outside the UAE should be a graduate of a Higher Education Institution (HEI) recognized by the official education authority in the country of study. Certificates submitted must be authenticated by the Education Authority in the country of study, such as the Ministry of Education, Boards of Education, the Ministry of Foreign Affairs in the country, then the relevant Embassy of the United Arab Emirates or the Embassy of the Country in the UAE, and the Ministry of Foreign Affairs of the United Arab Emirates.

DMU General Admission Requirements:

Applicants to post graduate program/s of DMU must submit the following:

- Attested copy of the Baccalaureate degree and official transcripts of credit/s earned from an accredited Institution of higher education previously attended in the UAE : [Request for attestation of academic and professional university qualifications issued from within the country \(moe.gov.ae\)](#)
OR Equivalency Certificate from the Ministry of Education (MOE) for international applicants with certificates
:<https://www.moe.gov.ae/en/eservices/servicecard/pages/certequivalent-out.aspx>
- Valid English Proficiency Scoresheet (EmSAT/IELTS/TOEFL etc.)
- Successfully passing the interview as per program requirements.

General Documents Required:

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- Attested Baccalaureate Certificate and transcript.
- Results of English proficiency requirements.
- Character certificate.
- Medical Fitness Certificate.
- Passport copy (including Ethbara page for UAE Nationals).
- Emirates ID copy.
- Birth certificate.
- 1 personal photograph (white background, passport size).
- Family book (*For UAE nationals only*)
- Police clearance certificate for international applicants living outside the UAE UAE
- Payment of the application fee: AED 1000 plus AED 50 (5% VAT) - not refundable.

Admission Requirement

Entry requirements	BPharm or Pharm D
Other qualifications accepted	--
Minimum average % of marks	CGPA of 3 on a scale of 4.0, or its equivalent
English Language proficiency requirements	· The applicant can fulfil the English proficiency requirement via the TOEFL, IELTS, or EmSAT, minimum requirements are listed below. TOEFL and IELTS test scores must be dated within two years of the year of enrolment. · EmSAT: Score of 1400 and above · TOEFL: Score of 79 on the iBT or 550 PBT (web-based) test or higher. · IELTS: Overall score of 6 and above is required. ○ Exceptions are: · A native speaker of English who has completed her undergraduate education in an English-medium institution and in a country where English is the official language.
Entry eligibility	Passing an interview
Study Mode	For regular MPharm students: · MPharm program requires regular attendance. Therefore, no course can be completed online. · Graduate courses are offered on weekends (Saturday and Sunday). · Graduate candidates admitted as full-time students will be offered not less than 9 credit hours and not more than 12 credit hours per semester. For conditionally admitted MPharm students: · Conditionally admitted graduate candidates will be offered not more than 9 credit hours per semester and will have to undergo remedial classes.
Direct Admission	· The student must hold a baccalaureate degree or equivalent

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	from a recognized university with a CGPA of 3.00 or above out of 4.00-point scale. · The degree must be in a major that qualifies the student to study has to Master's program. · Applicants must achieve and EMSAT score of 1400 or IELTS 6.0 or TOEFL 79 or equivalent before their enrollment.
Conditional Admission	1. Students with less than EMSAT score of 1400 or IELTS 6.0 or TOEFL 79 will be conditionally accepted and will be allowed to register only 6 credit hours in the first semester and should obtain at least 3 out of 4 in the CGPA. 2. Students with a minimum CGPA of 2.5 to 2.99 on a 4 scale will be allowed to take nine credits in the first semester. They should score at least 3 out of 4 in the CGPA. 3. Students with a minimum CGPA of 2 to 2.4 out of 4 scale shall be admitted in the first semester as follows: i. Successfully complete a maximum of nine graduate level credit hours as remedial preparation. ii. These remedial courses are not credits for the program must achieve a minimum of 3 out 4 scale in these nine credits of remedial courses.

Transfer Admission

Dubai Pharmacy College for Girls (DPCG) accepts transfer of students from accredited College with a curriculum that is comparable to that offered at DPCG. The transfer of students is not allowed after the second semester. The following are the necessary conditions for transfer to the DPCG from other pharmacy colleges.

- a. Students must meet the English language proficiency requirements such as minimum TOEFL score of (79 IBT) or 6.0 in IELTS.
- b. DPCG requires applicants to submit their transcripts for evaluation of transferable subjects /teaching hours from previous college experiences. The student must provide a letter of application to the Vice Chancellor- Research & Post Graduate Education & Dean of the College specifying reason(s) for requesting transfer and desired date of transfer.
- c. All applicants must provide conduct certificates from the Pharmacy College where they are currently enrolled. No student who has been dismissed from any Pharmacy College will be eligible for transfer to DPCG.
- d. The student transferring from another accredited college must be in a good academic standing (CGPA of 3 on a scale of 4.0, or its equivalent) in BPharm.
- e. The student must have earned a grade of "B" or better in the course. No more than six credit hours of graduate work may be transferred from another institution. The courses must be of graduate level and have been taken for graduate credit at the accredited institution.
- f. The Vice Chancellor- Research & Post Graduate Education will make the final decision for approval of transfer after reviewing the transfer request.

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Recognition of Prior Learning (RPL)

RPL does not apply to MPharm (Clinical Pharmacy).

Advanced Standing

In case a student with exceptionally advanced standing applies we will forward it to the Commission of Academic Accreditation, UAE (CAA) for final approval.

Registration

- A student will be registered at the beginning of each academic year and continue in active registration throughout their stay at DMU unless otherwise advised. Students will be registered each semester and given access to learning material upon the payment of tuition fees as per announced deadlines.
- A student can only register for a course for which she has completed the required prerequisites as per the program study plan.
- A student must comply with the academic, administrative, and financial policies of DMU to enroll.
- Student Affairs is responsible for implementing denial or suspension of registration as well as for lifting such denial or suspension.
- Enrollment may be suspended or cancelled because of disciplinary action, financial noncompliance or safety concerns.
- All courses offered per program are compulsory, and students are required to attend all the courses offered in each academic semester.

Academic Standing

For students to be in **Good Academic Standing** they need to maintain a semester GPA of 2.00 (70%) in each subject and cumulative grade point average of 3.0 (80%) on a scale of 4.0. Students whose Cumulative GPA or semester GPA falls below the requirements will be placed on Academic Probation. They will be given one semester to improve their GPA and cumulative GPA. If they fail to do so they will be required to withdraw from the University.

Withdrawal, Leave of Absence, Readmission

The policies deal with students who leave through the processes of withdrawal, leave of absence, dismissal, or discontinuation of the graduate programs.

Withdrawal from postgraduate program

- If withdrawal is required by a student, a written request for withdrawal is made and approved by the Deanship of Student affairs, Vice Chancellor Research & Post Graduate Education and the Dean of the college.
- Any absence of more than 1 year will be considered as permanent withdrawal from the program and University.

Leave of Absence from the University

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- a. Students may seek a leave of absence for a particular purpose, for a defined period and with the intention of returning to the University. Returning from such an approved leave of absence requires a re-enrollment request.
- b. The Dean of the College may grant a student up to a one-year leave of absence for personal, professional or medical reasons. This leave of absence may be renewed for up to one year at the discretion of the Dean in consultation with the University / College Council.
- c. Students may be deferred for a period of one semester to one academic year if the University is not offering the courses required to progress. Deferred students have the right to request re-enrollment at the end of the deferral period. A deferred student who doesn't contact the university to seek re-enrolment after the deferral period is automatically withdrawn from the University.
- d. A student who is not enrolled in an external degree program and who requires a longer leave than two years, or who is denied an extension of her leave of absence, must request for a withdrawal, and is advised to consult with her advisor. If the student fails to obtain a withdrawal, the student will be discontinued.

Review of applications for readmission/ re-enrollment:

- a. A student who has withdrawn / deferred (but subsequently wishes to return to university) must apply for re-enrollment in writing and submit the required information, as stipulated by the University at the time of withdrawal, to the Student Affairs Office.
- b. The student affairs office in consultation with the *Associate Dean of Academic Affairs*/admission taskforce will review each student's written application for Re-enrollment considering the entire record and including any required supporting documents.

The college may recommend:

- Re-enrollment without conditions.
- Re-enrollment with conditions.
- Denial of re-enrollment until further proof of readiness to return can be demonstrated; or
- Denial of Re-enrollment.

Recommendations of ADAA / Admission taskforce are advisory to the University Council. The decision of the University Council is final, and no appeals are allowed.

Conditions

- Readmitted students may be subject to updated program requirements.
- Academic probation or specific conditions for continued enrollment may be imposed as part of the readmission agreement.

Different Enrollment Status – Deferral/ Probation/ Suspension/ Dismissal

a. Deferral

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This is the postponement of academic participation for a defined period. A student may be deferred for a maximum of one academic year (two semesters). A student may be allowed to defer if the courses required are not offered in a semester.

b. Probation

Students must maintain a cumulative GPA of 3.00 or higher throughout the program. Academic Good Standing designates any student not subject to probation or disqualification. Each will be considered on a case-by-case basis.

Academic Probation

- Students whose CGPA falls below the minimum requirement of 3 will be placed on academic probation.
- Probationary students must meet with their academic advisor to develop an academic improvement plan.
- Students on probation are required to achieve a minimum semester CGPA of 3 in the subsequent semester to avoid dismissal.
- Failure to meet the minimum GPA and CGPA requirement may result in extended probation or dismissal from the program (Refer to Section 23).

Behavioral Probation

- Students violating university policies or exhibiting unprofessional behavior may be placed on behavioral probation.

Conditions for behavioral probation will be outlined in a written agreement, and students must adhere to these conditions to avoid further disciplinary action.

c. Suspension

Suspension is a temporary hold on registration for a defined time (one academic year or one semester) due to an academic or non-academic offence.

d. Dismissal

A permanent discontinuation of registration as a student as a result of an academic or disciplinary measure taken against a student who is not in academic good standing or found guilty of serious offence following investigation.

Academic Dismissal

- Students who fail to meet the conditions of academic probation or whose cumulative GPA remains below 3.00 after two consecutive semesters will be subject to academic dismissal.
- Dismissed students will receive a written notice specifying the reasons for dismissal and the effective date.

Behavioral Dismissal

- Serious or repeated violations of university policies or professional conduct standards may result in behavioral dismissal.

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- Students will receive a written notice outlining the reasons for behavioral dismissal and the effective date.

Dismissed students do not have the option of reenrollment.

Add/Drop Courses

The credit transfer system is not applicable for regular students as DMU strictly adheres to the time- table schedule, the students cannot add or drop any regular courses allotted for each semester.

11. FINANCIAL POLICIES AND TUITION FEES

Tuition Fees for DMU programs are published annually in the catalog and on the website.

Program	Student Intake	Type of Fees	Amount (AED)	Remark
Dubai Pharmacy College for Girls				
MPharm Program	Student intake will be limited to 5 students, not exceeding 15 students in total	Admission Application Fees	1000 (Plus, VAT – 50 AED)	Non-refundable
		Seat Reservation Fees	NA	
		Annual Tuition Fees (Semester 1 to Semester 4)	50,000 + 5% VAT	

Payment of tuition fee can be processed through the means below:

Methods of Payment

Bank Transfer:

BANK ACCOUNT INFORMATION	
BRANCH	DUBAI MAIN BRANCH
ACCOUNT NO	001520436533001
CURRENCY	AED
ACCOUNT NAME	DUBAI MEDICAL UNIVERSITY
IBAN NO	AE450240001520436533001
COUNTRY	UNITED ARAB EMIRATES

Once your bank transfer has been completed, please send a copy of the receipt with the name and student ID to accounts@dmcg.edu (temporary email).

Cash / Cheques / Credit Card

This is done at Accounts Department in DMU from 7.30 am to 3 pm

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Refund Policy of Tuition Fees

Tuition fees paid are in general non-refundable unless a valid reason is provided for cancellation of admission.

The valid reasons can be: –

- If student is not granted a UAE Visa.
- If the parent / guardian of the student faces sudden employment termination or visa cancellation.
- If a candidate is granted a scholarship after the payment of Tuition fee.
- If travel restrictions are enforced (Example during COVID pandemic).
- If progression / re-sit results are delayed.
- Other serious non-controlled reasons subject to review and approval by the chancellor.

Refund requests for the above valid reasons should be made through the SADD (Finance unit) in collaboration with the Support Services Department through a written request along with the original fee receipt. Refunds will be made after clearance of dues, if any. Refunds will be credited by bank transfer or Cheque to the same payer (student's parent / guardian / sponsor) bank account and not given in cash.

Refund Policy of Tuition Fees in case of Withdrawal

Refund applies as follows: -

- A 5% deduction is applicable on the full tuition fees if the candidate applies for withdrawal before the beginning of the academic year.
- A 25% deduction is applicable on the full tuition fees if the candidate applies for withdrawal during the first 5 working days of the academic year.
- A 50% deduction is applicable on the full tuition fees if the candidate applies for withdrawal during 10 working days of the academic year.
- If a student withdraws after the above-mentioned days, no refund is granted at all.
- Hostel and Transportation fees are refunded based on pro-rata on a full monthly basis, not per day. (Month fraction is considered as a full month).

The following are non-refundable:

- Visa fee
- Application fee
- Transportation fee
- Seat reservation fee unless any of the valid reasons listed above are applicable.
- Full tuition fee in case of dismissal / suspension for disciplinary reasons.

Scholarship, Financial Aid and Discounts

Not Applicable for postgraduate program.

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Tuition Fee Installments

- All students are expected to pay the annual tuition fees as per published dates set by the Accounts Department.
- Tuition fees can be paid in full amount or in a maximum of four installments. For installments, post-dated Cheques are required to be submitted.
- Student or Parent can request to pay the amount with an installment plan to be approved by the Finance Manager.

Tuition Fees

- DMU reserves the right to review and reassess the tuition fee rates annually. The fees may be subject to change after the approval of the DMU Board of Trustees.
- A tuition fee schedule should be published annually prior to registration of new students.
- After enrollment, no change of tuition fees would be applied during the duration of the study for both undergraduate and graduate college programs. However, transport and Hostel fees are subject to change.
- Students who fail and repeat the year will pay the fees applied to the new batch/cohort they are joining.

Hostel Fees

Hostel facilities include single and double occupancy rooms, a study room, a student lounge, a gymnasium, cooking facility with dining area, paid laundry area, and a mosque. Rooms are furnished with all basic amenities. The hostel facility is open for rent to all students and Interns.

Cost of rooms

Single Room:	15,000 AED
Double Room:	12,000 AED
Deluxe Single Room:	18,000 AED
Refundable Hostel insurance:	500 AED

***Note:** The tuition fees once communicated will remain the same throughout the course. Transport and Hostel fees are subject to change.

Transportation Fees

Daily transportation facilities are available for several destinations. Each weekend buses take students staying at the hostel back to their homes in other Emirates and bring them back to the University on the next working day. Cost of Transport for academic year 2023 – 2024 ranges from 3000 to 5000 AED according to destination.

Transport (+5% VAT applicable)	Amount	Remark
Abu Dhabi, Fujairah, Al Ain, Baniyaas (on weekends only)	AED 5000 per year	One installment
Inside Dubai - (Muhaisnah, Mizhar, Murdif, Rashidiya, Tawar, Qusais, Nahda) daily	AED 5000 per year	One installment
Outside Dubai – (Sharjah and Ajman) daily	AED 6500/-	One installment
Daily trips	AED 30/-	On Daily basis

***Note:** The tuition fees once communicated will remain the same throughout the course of study. Transport and Hostel fees are subject to change and follow tuition fees policy and procedure.

12. LIFE ON CAMPUS (STUDENT SERVICES)

Dubai Medical University offers a wide range of services and student life activities. The focus of Student Affairs is to provide timely registration services whilst keeping student wellbeing and happiness in mind. This will be achieved through current and accurate admission, registration, and graduate services. Career guidance highlighting preparation for further medical education programs as well as personal counselling services will be available through specialized personnel. The voice of students will be heard and acted upon through the student elected Student Union and the Student representatives in governance. DMU is keen on providing students with a positive environment to enrich their student life experience. By timely support and service, we hope to enhance the relationship and increase satisfaction with all stakeholders. For more details on these services please refer to the DMU Student Handbook.

13. STUDENTS' RIGHTS AND RESPONSIBILITIES, CODE OF CONDUCT AND DRESS CODE

All students enrolled at DMU have a right to student-centered education, research, and services in an environment free from threat, harassment and discrimination. They are responsible for ensuring that the institutional culture and their individual behavior reflect the university values and regulations. Students are expected to positively contribute to the institution by maintaining high standards of integrity and academic honesty. For details on Student Rights, Responsibilities, Code of Conduct and Dress code please refer to the DMU Student Handbook.

14. STUDENT MISCONDUCT, DISCIPLINARY MEASURES AND ACADEMIC

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HONESTY GUIDELINES

Students attending DMU are awarded academic degrees in recognition of successful completion of course work in study. Any form of cheating on examinations, or plagiarism on assigned papers constitutes unacceptable deceit and dishonesty. Disruption of the classroom or teaching environment is also unacceptable. This cannot be tolerated in the DMU community and will be punishable, according to the seriousness of the offense, in conformity with established rules and procedures.

Definitions:

- Plagiarism** - Plagiarism is defined as "literary theft" and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. Plagiarism also consists of passing off as one's own segments or the total of another person's work.
- Cheating** - Cheating is defined as: the unauthorized granting or receiving of aid during the prescribed period of a graded exercise.
- Disruption of Academic Process** - Disruption of the academic process is defined as the act or words of a student or students in a classroom or teaching environment, which in the reasonable estimation of a faculty member, disturbs the smooth proceedings of the course.

For offences, details on academic integrity, plagiarism, definitions, misconduct and disciplinary policies and offences please refer to the *DMU Student Handbook*.

Appropriate Use of Information Technology, Resources and Systems:

The computing facilities in the various colleges are a vital component of the academic environment. Each person using these computers / IPADS must be considerate of other users. The purpose of these facilities and services is the support of teaching and research by its authorized users. For details, please refer to the *DMU Student Handbook*.

15. STUDENT GRIEVANCES AND APPEALS

Grievance Policy

Grievance policy at DMU refers to providing a supportive environment for students and to be responsive to their concerns when they are raised. The university has processes and guidelines for students who believe that they have been treated inequitably. Students are encouraged to resolve the matter informally by talking with the person or group at whom the grievance is directed to resolve the issue. If no consensus is agreed upon then the student should file a formal grievance.

The Student Affairs Department is the primary custodian of the Grievance process and facilitates all grievance requests. They channel academic and non-academic grievances to a taskforce for investigation and recommendation within seven working days from date of

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receiving the request. These recommendations are shared with the university faculty council for final review and decision within three working days. Student affairs will notify the student by email of the final decision. If the student is not in agreement with the action taken, then the student can appeal to the *Vice Chancellor- Research & Post Graduate Education* of DMU within five working days. For further details about the procedure, please refer to the DMU Student handbook.

Appeals Policy

Appeals policy at the DMU fosters implementing a system for students to request a review of the decisions taken that concern students. To comply with the highest standards, students are encouraged to raise issues of dissatisfaction at an early stage, so that they can be dealt with effectively. Every student has a right to request an appeal within five working days of the occurrence of an incident, decision, or announcement of grades.

Any appeal should be addressed to the *Vice Chancellor- Research & Post Graduate Education & Dean* of the concerned college at DMU through the online Student voice form. *QA&IE Department* will review the appeal and refer it with all previous documentation to the Dean. The *Program Director* is kept copied on the appeal request even if it is nonacademic. For further details about the procedure, please refer to the DMU handbook.

16. ACADEMIC INTEGRITY

DMU believes in fostering an environment of trust, respect, and ethical behavior. Upholding the highest standards of academic integrity is a shared responsibility and all members of DMU academic community, including students, faculty, and staff, need to maintain honesty and uphold ethical conduct in all academic activities. DMU is dedicated to ensuring a fair and equitable process for addressing violations while promoting a culture of academic honesty and excellence.

Prohibited Actions

- Cheating, Plagiarism, and Collusion:** All forms of dishonesty, such as cheating, plagiarism, or collusion, are strictly prohibited. Cheating includes attempting to complete examinations or assessments through unfair means, which may involve obtaining unauthorized assistance or using prohibited electronic devices during examinations. Plagiarism includes copying work from any source, published or unpublished, without proper attribution. Collusion involves jointly producing assessments when not explicitly permitted.
- Fabrication:** Presenting false or fabricated information, results, or conclusions in any form of assessment is considered a breach of academic integrity.
- Impersonation:** Assuming the identity of another person, such as a student, with the intent to deceive or gain an unfair advantage is a serious violation of academic integrity.

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Reporting and Investigation

- a) **When a faculty member has reasonable evidence to suspect a violation of academic integrity, they shall notify the student of the concern.**
- b) **Faculty members are responsible for determining consequences in accordance with university policy. Consequences** may include but are not limited to:
 - Issuing a verbal or written warning to the student.
 - Assigning an additional academic task.
 - Assigning a grade of zero on the assignment.
 - Imposing other appropriate consequences consistent with university policies.
- c) **The faculty member shall inform the student that a "Student Code of Conduct Violation" report will be filed** with the appropriate university office.

Student Rights and Grievance Procedure

Students have the right to challenge any actions they believe violate their student rights. They may follow the university's established grievance procedure to address such concerns.

Records and Disciplinary Actions

The *Vice Chancellor Research and Post Graduate Education* is responsible for maintaining records related to academic integrity violations. They are required to provide the Office of Student Affairs with a copy of all documentation related to academic integrity violations to be maintained in student records.

For more serious violations, such as repeated offences or severe breaches, the Dean may refer the matter to the *Student Disciplinary Committee*, which may consider probation, suspension, or expulsion as appropriate courses of action in accordance with university policies.

Awareness and Education

The university is committed to promoting awareness and education about academic integrity. This includes providing resources to help students understand and avoid violations and ensuring that faculty and staff are knowledgeable about university policies and procedures related to academic integrity.

17. DEFINITION OF CREDIT HOURS

A unit of measurement defining the student's overall effort towards attaining a qualification.

***Credit hours are calculated as 1 credit hour being equivalent to 15 teacher-centered teaching sessions. It follows that 1 credit hour is equivalent to 30 student-centered teaching sessions.**

Credit hour refers to one lecture hour per week lasting for a minimum of 15 weeks. Each lecture hour is equivalent to two hours of practical study per week. For Experiential learning (Professional Practice Experience) 1 credit hour refers to 40 contact hours per week.

18. ACADEMIC TERMINOLOGY

Area of concentration*	A grouping of courses which represent a sub-specialization taken within the major field of study.
Credit Hour	-A unit of measurement defining the student's overall effort towards attaining a qualification.
Major*	The field of study in which a student specializes at the baccalaureate level. The term is not typically used in qualifications below the baccalaureate and is only occasionally used in graduate programs.
Minor*	A separate field of study outside the major or concentration in which a student has a secondary area of specialization, requiring less course work than the major.

* Definitions as per the CAA Standards 2019.

** Institutional definition.

19. EVALUATION OF TEACHING AND LEARNING

Program Review and Evaluation

The academic program curriculum at DMU undergoes rigorous reviews to ensure the continuous enhancement of its academic program. The review includes internal auditing and reporting as well as compliance with CAA standards and requirements.

Internal reviews and reports are conducted at both the course level and program Level. The documentation is guided by the external review accreditation requirements to facilitate the effective re-accreditation process of the M.Pharm Clinical Pharmacy program at DMU.

The curriculum review process is essential for academic program improvements and ensures that students are prepared to embark on their career journey and develop the relevant competencies and skills for their clinical pharmacy profession.

The outcome of the process will guide decision-making and curriculum improvement to ensure that students achieve the required knowledge, skills, and competencies to progress in their Clinical Pharmacy careers.

The review and evaluation process are conducted at the course level and program level as described below:

I. Course Delivery Review and Evaluation

Course components are evaluated every semester to guide program and course quality improvements through an annual program review and planning cycle. Course reviews are conducted during and at the end of each semester/term and includes the following:

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Course Learning Outcomes Review and Evaluation

Course learning outcomes (CLOs) are reviewed by the faculty member and *Associate Dean of Academic Affairs & Program Director*. The reviews are done during the Curriculum Review Meetings for aligning CLOs with course assessment tools.

The instructor documents the attainment of the CLOs in the Course Review Report for further review and follow up.

The CLO review evaluates the effectiveness of the course in facilitating students' achievement of the course learning outcomes. The instructor reviews the suitability of the assessment tools to measure the relevant CLOs and assesses the relevancy of the CLOs to the learning topics. The instructor's recommendations are reviewed by the *Program Director* and included in the Course Review Report. At the end of each semester, the reviews and the recommendations are identified, and an improvement action plan is developed.

Course Syllabus Review and Evaluation

The course syllabus is reviewed to include Course Description, Course Learning Activities, Learning and Teaching Strategy, Course Assessment Plan, and Course Learning Resources.

The instructor records his/her recommendations in the Course Review Report. The *Program Director* reviews recommendations for change (if any) and submits changes to the University Council for approval and change implementation. QA & IE Department follows up on all changes and implementation.

Course Assessment Review and Evaluation

Course assessment plans and tools are developed to a plan and map all assessments to the course learning outcomes. Before the commencement of the semester, the course assessment plan and tools are reviewed by the instructor and *Program Director*, for validation of allocated marks and timeline. The CLO matrix that maps the CLOs to the assessment tools in the course assessment plan is reviewed to ensure alignment and balance of weighted assessment tools to each CLO.

At the end of each semester, assessment tools and results are reviewed by the instructors to comment on their suitability to measure course learning outcomes. Findings are documented in the Course Review Report. Instructor's comments regarding course assessment are reviewed by the Program Director for final approval.

The QA&IE Department conducts an audit on course assessment plan and issues findings to course instructors and *Program Director* for corrective action, if required.

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Course Teaching Review and Evaluation

At the course level, teaching is evaluated by the Program Director through the faculty performance appraisal conducted annually.

The *Program Director* utilizes the audit reports of the course file and class observation reports to assess the teaching practice of each faculty. Class observations are introduced as a tool to improve and share teaching best practices. The class observer is appointed by the *Program Director* in recognition of teaching excellence. Written feedback is provided to the instructor and a copy is sent to the QA & IE, for follow-up sessions.

At the university level, teaching is reviewed against pre-established KPIs. QA & IE records the progress against established KPIs to ensure the quality of teaching. The KPIs are measured annually and recorded in the Annual Report.

The Academic KPIs are issued to *Program Director* and the *University Council* to review the performance achieved against established KPIs and a corrective / Improvement action plan is then developed as required.

Course Evaluation by Students

At the end of each semester, the QA&IE Department administers the Course Evaluation Survey and issues survey results reports to be reviewed by the *Vice Chancellor QA & IE, Dean, Program Director* and faculty, to comment and develop improvement plans wherever required.

Course File Administration Review

The course file content is reviewed during the semester and at the end of each semester by the QA&IE Department for compliance with course file documentation requirements.

The QA&IE Department conducts an audit at the end of the semester to ensure course file compliance with CAA standards and DMU policy requirements. Noncompliance statements are issued with required corrective action to faculty who did not meet the required compliance indicators.

II. Program Review

Program reviews are comprehensive and guide the future development of academic programs at DMU.

Program effectiveness is judged on the following dimensions: how well students achieved the program learning outcomes; the program's success in retaining and progressing students; students' satisfaction with the process; the ability of graduates to gain employment and

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employers' satisfaction with the performance of DMU graduates.

At the beginning of each academic year, the *Program Director* will review the annual program report prepared by the concerned Academic Affairs Department. The program effectiveness results are reviewed and approved, and Program Improvement Plans are prepared to be implemented in the following year. The outcome of the review will be carefully considered by course instructors, *Program Director*, *Vice Chancellor- Research & Post Graduate Education & Dean*, the *QA&IE Department* and *QA & Program Evaluation Committee* to ensure that all issues and concerns have been satisfactorily addressed to close the loop.

Student Retention and Progression Review

Cohort analyses of student retention and progression will be prepared annually by the *Student Affairs Department* and *Admission & Registration Unit*. Reports will be shared with the *QA&IE Department* and *Program Director*. These reports will be reviewed, and improvement plans will be developed as required.

Student Experience Review

The student experience is measured annually through student experience surveys conducted by the *QA&IE Department*. Students will evaluate all teaching and learning facilities and related services at DMU. Results will be shared with the *Program Director*, academic heads student services and discussed in *QA & Program Evaluation Committee* to develop improvement plans, follow up and close the loop as per the requirement.

Program Learning Outcomes Review

Program learning outcomes (*PLOs) are mapped with the Course learning outcomes of each course. At the end of each academic year, the *Curriculum Review Committee* reviews PLOs of the program through the achievement of CLOs of taught courses with the relevant PLO of the program.

The committee takes into consideration the comments/recommendations outlined in the Course Review Report for the program. The information is recorded in the annual program review report and the matrix of the Program PLOs is updated based on the PLOs review and calculated values.

Revision to program matrices is conducted to ensure alignment between PLOs and CLOs and *National Qualification Framework (NQF)*.

Program Competency Review

Program competency alignment is a vital component of the curriculum alignment to ensure DMU delivers knowledge, skills, and competency focused education. The

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alignment measures the competency and skills that students acquire as they progress through the program.

PLO- QF Emirates Mapping

The program learning outcomes are mapped against the QF Emirates framework at level 9 and is the mapping against the descriptors of the three domains, Knowledge, Skills and aspects of competence.

The first phase of the alignment is to collect performance data from the assessment of the relevant courses mapped to the Program learning outcomes and aligned with NQF level 9 of *Qualification Framework-Emirates (QFE)* descriptors.

The mapped competency chart is reviewed by the *Program Director* and *Curriculum Review and Assessment Committees* of the College and correlated with PLOs/CLOs/NQF matrices to ensure optimization of the assessment alignment across the program.

PLO enabling Competency Mapping

The program learning outcomes are also aligned with ***UAE Professional Pharmacy Graduates Competency Framework***. The program learning outcomes are mapped against the enabling competencies for ease of implementation of the PLO assessment plan.

The competency achievement results are included in the annual program review for further analysis and discussions. Recommendations for improvements are presented to ensure DMU graduates' readiness as a clinical pharmacist professional.

Student Employment Review

DMU developed the following indices to measure the Employability effectiveness during clinical clerkship and after graduation. Employability Effectiveness is measured by GDS survey conducted by the Ministry of Education and QA & IE Department at DMU.

- Student Clerkship Satisfaction Survey*: During the clerkship, QA & IE Department will assess student satisfaction with the clerkship.
- Employer Satisfaction with Student*: During the clerkship, employers will be asked to provide feedback on DMU clerkship performance. The evaluation is based on employability skills.
- Employment in Field of Study*: One year after graduation, graduates are contacted by the *Alumni Affairs Unit* to follow up on their employment status.

The process is done over the phone and information about their employment is

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recorded in the Employment Survey. The results are issued to the *Vice-Chancellor, Research and Post Graduate Education, the Program Director, and QA&IE Department*, to incorporate in the program annual review report.

Alumni Engagement Review

QA & IE Department will conduct an alumni satisfaction survey. The survey is focused on measuring the alumni communication and engagement of the University. The survey results are sent to the Academic heads, and *Alumni Affairs* for further analysis and devised improvement plan as required.

Assessment plan for program learning outcomes and KPIs

A plan to assess learning outcomes is placed based on set KPIs. Each Program learning outcome is addressed within several courses that have been identified and mapped. This was done in relation to the mapped enabling competency as well. Data sources were identified for each enabling competency for every PLO (student grades or additional data collection methods in addition to classified achievement records in targeted subsets of the examinations). Key performance indicators are set at a standard that allows for a bell curve distribution of students in attainment. Percentage of data source contribution to the KPI is calculated based on the number of enabling competency the KPI is mapped against. (1 enabling competency= 100%, 2=50% each etc.)

All data collected will be on the QA&IE Department calendar and will abide to the policy 3 Chapter C4 concerned with PLO assessment.

20. GENERAL EDUCATION REQUIREMENTS

Not Applicable

21. REMEDIAL COURSES

The MPharm Clinical Pharmacy Program offers remedial courses designed to support students with conditional admission. Through personalized instruction, and focused review sessions, students can address knowledge gaps and strengthen their understanding. This proactive approach ensures all students are well-prepared for advanced coursework in clinical pharmacy.

Remedial Courses in MPharm Clinical Pharmacy Program		
DRUG INFORMATION SERVICES	CP801	Credit Hours: 3

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This course is designed to provide students with the knowledge and skills needed to effectively gather, manage, and communicate drug-related information to healthcare professionals, patients, and other stakeholders. This course is typically offered in pharmaceutical and healthcare-related programs and is essential for those pursuing careers in pharmacy, healthcare, or the pharmaceutical industry. It provides comprehensive training on principles and practices of Drug Information Services (DIS) in healthcare and pharmaceutical settings. It covers a wide range of topics related to the collection, analysis, dissemination, and application of drug-related information. Students will develop the expertise to provide accurate, evidence-based information on medications and their use, ensuring the safe and effective delivery of healthcare services.

LABORATORY DATA INTERPRETATION	CP802	Credit Hours: 3
This course presents the latest updates on selected LABORATORY TESTS and Diagnostic tests used in most health care facilities today. Not ALL Lab Tests will be included in this course. The objective of this text is to present pharmacists with a guide to the considerations of some of the most used laboratory tests and some select diagnostic tests which help in pharmaceutical care plans.		
GERIATRIC CARE	CP803	Credit Hours: 3
This course introduces the students to the social, demographic, ethical and therapeutic issues concerning pharmaceutical products and care provided to the elderly. This course gives the students an understanding of the causes behind health issues related to elderly patients. This course helps the students to apply the principles of selecting and optimizing drug therapy for older adults with several comorbidities.		

22. PROGRAM DETAILS: MASTER OF PHARMACY – CLINICAL PHARMACY

Program Overview

Dubai Pharmacy College for Girls offers a Master of Pharmacy in Clinical Pharmacy Program, a two-year, competency-based curriculum comprising 55 credits, divided into four semesters (First semester 11CH, Second Semester 10CH, Third Semester 17CH, Fourth Semester 17CH). Student progression is assessed at the end of each semester. The program will be accredited by the Commission for Academic Accreditation (CAA), Ministry of Education, UAE, and its competencies are aligned with the UAE Professional Pharmacy Graduates Competency Framework. The curriculum embodies the university's core values and dedication to excellence, focusing on personal empowerment, cultural transmission, citizenship preparation, and work readiness. It promotes a balanced development of intellectual, moral, spiritual, and physical growth, and integrates clinical relevance early on. The curriculum emphasizes coherence between theory and clinical practice, competency-based learning, relevance to students, and a student-centered approach. The program aims to graduate clinical pharmacists who are experts in patient centered care, approaches to practice and care, personal and professional development.

Program Structure

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The M.Pharm Clinical Pharmacy curriculum at Dubai Pharmacy College for Girls spans two years. The first year is divided into two semesters. Second year students undergo clerkships in hospitals and do Research Project & Dissertation.

▪ **First Year - Semester I**

This semester bridges Baccalaureate's Pharmacy education and the Clinical Pharmacy program. It prepares students academically, mentally, and emotionally for Clinical Pharmacy studies, introducing them to the Clinical Pharmacy Practice, Therapeutic Drug Monitoring, & Pharmacotherapeutics – I, II.

▪ **First Year- Semester II**

Students study Pharmacotherapeutics-III, IV, Clinical Toxicology & Drug Poisoning & Clinical Research Methodology & Biostatistics.

▪ **Second Year (Major & Minor Clerkship Rotations)**

Students undertake major clinical clerkship rotations (24weeks) that are Internal Medicine 1, 2, Ambulatory Care, Intensive Care Unit, Pediatrics, Surgery. Minor Clerkship (4weeks) includes Psychiatry, Obstetrics & Gynecology, Infectious Diseases, Therapeutic Drug Monitoring Rotation, Drug Information Service, Total Parenteral Nutrition, Community Pharmacy. In minor clerkship students can choose any of the two subjects.

During the second year, students should work on a Research Project & Dissertation under the supervision of a faculty member.

Program Objectives

- Produce clinical pharmacists capable of providing specialized pharmaceutical services in hospital and other clinical environments.
- Choose various specialized areas by the graduates to become a Pharmacotherapy specialist, based upon their area of interest during their clerkships in hospital.
- Produce confident and knowledgeable pharmacists to work with other health care professionals.
- Enhance the pharmacists' role as a member of the healthcare team by improving their communication, managerial, clinical and research skills.
- Provide a pathway towards academia as a career.
- Provide learning opportunities to enable to think critically and to further develop as an autonomous and lifelong learner.

1. Mapping of PLOs-Competencies aligned with the QF *Emirates level 9*

MPharm Clinical Pharmacy: PLO- QF Emirates Mapping										
Level	Domain	Descriptors								
		A1. Demonstrate specialist and comprehensive knowledge required in providing specialized Clinical services required in hospitals and other clinical environments. A2. Comprehend the ethical, legal and quality principles of professional practice in clinical pharmacy practice. B1. Identify, analyze, deploy and utilize appropriate information in clinical case discussion and evaluate the pharmaceutical care required for the case. B2. Critically evaluate the available literature in the field of clinical pharmacy for the evidence-based medicine. B3. Demonstrate effective project management skills. B4. Communicate effectively orally and in writing and deploy a range of presentation techniques and strategies to present, explain and critique information within workplace settings. C1. Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level through C2. Demonstrate ability to use skills to make decisions in complex situations where there are several factors that require analysis, interpretation and comparison. C3. Practice self and continuing professional learning through reference books, published data, scientific publications and websites and attendance of seminars, workshop and conferences. C4. Utilize and contribute to the available scientific literature in the field of clinical pharmacy and pharmacy practice. C5. Deal with complex issues both systematically and creatively, make sound judgments in the absence of complete data, and communicate their conclusions clearly to specialist and non-specialist audiences C6. Interact with professional colleagues and demonstrate team-working and leadership abilities in various professional contexts								

9	Knowledge	Comprehensive, highly specialized knowledge in a field of work, discipline and/or professional practice, and at the interface between different fields, including frontier concepts and recent developments	F								P	P	P	
		Advanced knowledge of applicable research principles and methods		F					P	P		P	P	
		Critical awareness of knowledge issues, as the basis for original thinking; encompassing appropriate processes of enquiry and current processes of knowledge production	F							P	P	P	P	
		Detailed body of knowledge of recent developments in a field of work, and/or discipline	F							P	P	P	P	
	Skills	Advanced skills required in research, analysis, evaluation and/ or innovation of complex ideas, information, concepts and/or activities			F	F			P				P	
		Skills to develop new knowledge and procedures and to integrate knowledge from different fields using highly developed cognitive and				F	F	F		P	P		P	

		creative skills and intellectual independence to the field of work or discipline												
		Advanced problem-solving skills to analyze highly complex issues with incomplete data and develop innovative solutions and proposals relevant to an academic/ professional field, field of work or discipline			F	F	F	F						
		Planning skills to develop and execute a major project or comparable activities (that includes a significant range of variables and complexity) with appropriately selected research methodologies producing sound conclusions			F	F	F	F		P	P	P	P	
		Highly developed specialist communication and information technology skills to present, explain and/or critique highly complex matters				F	F	F	F	F			P	P
Aspects of competence	Autonomy and responsibility	Can function autonomously and/or take responsibility for managing professional practices, work,			P	P	P		F	F		F	F	

		Role in context	processes or systems, or learning contexts that are highly complex, unpredictable and unfamiliar, and require new strategic approaches and/or intervention or conceptual abstract solutions												
			Can account for high level governance of processes and systems					F	P	F				F	F
			Can analyze and reflect on sociocultural norms and relationships and act to build and transform them		F	P			F	F				F	F
			Can initiate and manage professional activities that may include a highly complex environment					F				F	F	F	F
			Can take responsibility for leading the strategic performance and development of professional teams and									F	F	F	F

			self												
		Self-development	Can self-evaluate and take responsibility for contributing to professional knowledge and practice including unfamiliar learning contexts							F		F		F	F
			Can develop and implement further learning consistently and sensitively							F	F	F	F		
			Can consistently and sensitively manage highly complex ethical issues leading to informed, fair and valid decisions		F	P					F	F		F	

(F=Fully aligned; P= Partially aligned)

Study Plan

Year	Semester	Course Code	Course Name	CH	Pre-requisites	Co-requisites	Domain
Year One	Semester 1	CP901	Clinical Pharmacy Practice	3	--	--	--
		CP902	Therapeutic Drug Monitoring	2		--	--
		CP903-1	Pharmacotherapeutics - I	3	--	--	--

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Year Two	Semester 2	CP903-2	Pharmacotherapeutics-II	3	--	--	--
			Semester Credit Hours	11			
		CP903-3	Pharmacotherapeutics-III	3	--	--	--
		CP903-4	Pharmacotherapeutics-IV	3	--	--	--
		CP904	Clinical Toxicology & Drug Poisoning	2	--	--	--
		CP905	Clinical Research Methodology & Biostatistics	2	--	--	--
			Semester Credit Hours	10			
	Major Clerkship	CPC-IM 1-C	Internal Medicine 1	4	--	--	--
		CPC-IM 2-C	Internal Medicine 2	4	--	--	--
		CPC-AMB-C	Ambulatory Care	4	--	--	--
		CPC-IC-C	Intensive Care Unit	4	--	--	--
		CPC-PD-C	Pediatrics	4	--	--	--
		CPC-SG-C	Surgery	4	--	--	--
	Minor Clerkship Elective (Any two)	CPC-PSY-E	Psychiatry	2	--	--	--
		CPC-OG-E	Obstetrics & Gynecology	2	--	--	--
		CPC-ID-E	Infectious Diseases	2	--	--	--
		CPC-TDM-E	Therapeutic Drug Monitoring Rotation	2	--	--	--
		CPC-DIS-E	Drug Information Service	2	--	--	--
		CPC-TPN-E	Total Parenteral Nutrition	2	--	--	--
		CPC-CP-E	Community Pharmacy	2	--	--	--
		CP905	Research Project & Dissertation [CP-RP]	6	--	--	--
			Semester Credit Hours	34			
			Total Credits	55			

Course Descriptions (all courses):

Semester 1		
CLINICAL PHARMACY PRACTICE	Course Code: CP901	Credit Hours: 3+0
This course introduces to the concepts and abilities required for a clinical pharmacist in relation to interpersonal skills and their responsibilities for caring and respecting the patients' needs and beliefs. ADR reporting and documenting are also discussed in this course. The student works with and discusses real and complex patient cases with a focus on drug-related problems, rationalize pharmaceutical care plan and cost-effective analysis of medications. Pharmacist Interventions, wider public health issues, and the awareness of guidelines are studied to reflect the changes which occur in drug development and disease management.		
THERAPEUTIC DRUG MONITORING	Course Code: CP902	Credit Hours: 1+1

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This course is designed to provide students pursuing a Master of Clinical Pharmacy with in-depth knowledge and skills related to therapeutic drug monitoring (TDM) of specific drugs. Students will explore the principles, methodologies, and clinical applications of TDM to optimize drug therapy, ensure therapeutic efficacy, and minimize the risk of adverse drug reactions. The course will focus on selected drugs (antiepileptic drugs, cardiovascular drugs, antimicrobials, immunosuppressant, and antipsychotics) commonly monitored in clinical practice.

PHARMACOTHERAPEUTICS I

Course Code: CP903-1

Credit Hours: 2+1

The aim of this course is to provide the students with comprehensive knowledge and skills related to the use of medication for cardiovascular, renal, and endocrine disorders. This includes the pathophysiology, clinical presentation, goals of therapy, evidence-based guidelines, and the rationale behind drug selection of drugs used. The practical emphasizes the importance of patient assessment in pharmacotherapy. Students learn how to evaluate patients' medical history, physical examination findings, and laboratory results to determine the most suitable drug therapy. They also study how to monitor patients for therapeutic response and potential adverse effects and provide patient education for different patient populations.

PHARMACOTHERAPEUTICS II

Course Code: CP903-2

Credit Hours: 2+1

The aim of this course is to provide the students with comprehensive knowledge and skills related to the use of medication used for respiratory, renal, gastroenterological disorders, infections, and antibiotics surgical prophylaxis. This includes the pathophysiology, clinical presentation, goals of therapy, evidence-based guidelines, and the rationale behind drug selection of drugs used. The practical emphasizes the importance of patient assessment in pharmacotherapy. Students learn how to evaluate patients' medical history, physical examination findings, and laboratory results to determine the most suitable drug therapy. They also study how to monitor patients for therapeutic response and potential adverse effects and provide patient education for different patient populations.

Semester 2

PHARMACOTHERAPEUTICS III

Course Code: CP903-3

Credit Hours: 2+1

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The Rheumatology, Neurology Disorders, and Psychiatric Disorders pharmacotherapy course is designed to provide comprehensive knowledge and understanding of the diagnosis, management, and treatment of rheumatological, neurological, and psychiatric conditions. This course integrates the three disciplines to foster a holistic approach in understanding the interplay between these interconnected fields. Throughout the course, students will engage in case-based learning, critical appraisal of clinical trials, and evidence-based decision-making exercises. They will also develop skills in medication therapy management, patient counselling, and interprofessional collaboration in the context of rheumatology, neurology disorders, and psychiatric disorders.

PHARMACOTHERAPEUTICS IV

Course Code: CP903-4

Credit Hours: 2+1

This course aims to provide students with comprehensive knowledge and skills related to the therapeutic use of medications for the treatment of various neoplastic disorders, hematologic disorders, and immunologic diseases. The course's primary focus is on integrating pathological and pharmacological principles and therapeutic decision-making skills in the management of complex patient cases. It builds upon the knowledge and skills learned in earlier pharmacotherapy courses in the program. This involves the application of knowledge from different disciplines, including pathophysiological, pharmacology, pharmacokinetics, pharmacodynamics, pharmaceutics, and clinical pharmacy. Case studies for continuous monitoring and identifying drug related problems when developing pharmaceutical care plans and assignment on the innovations on cancer diagnostics, management and students will be required to explore how advances in research, treatment, and healthcare practices can lead to improve patient outcomes. Oncology includes the study of the principles of combination chemotherapy, cancer immunotherapy, targeted therapy, and stem cell transplantation. It also covers the management of the most common types of cancer and special patient populations, as well as ethical considerations and future directions in cancer treatment.

The students will develop a comprehensive understanding of advanced therapeutics concepts and their clinical applications, learn about the various treatment options available for these conditions, and the rationale for selecting one treatment over another using an evidence-based treatment approach. The course may be offered in a variety of formats, including lecture-based, case-based, or problem-based learning.

CLINICAL TOXICOLOGY & DRUG POISONING

Course Code: CP904

Credit Hours: 2+1

This course is intended to provide a comprehensive framework for students to gain a solid understanding of clinical toxicology and develop the necessary skills to assess and manage poisonings in diverse clinical settings. It will empower students with an in-depth mechanistic exploration of toxic effects of poisonous substances and the comprehensive management of poisonings caused by various agents. The major focus of the course is on their effects on the human body, selection of the best antidotes and the strategies employed in diagnosing and treating poisoned patients. Students will gain knowledge of how selected chemicals/drugs exert toxic effects during clinical Presentation, monitoring and prevention and managed clinically.

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CLINICAL RESEARCH METHODOLOGY AND BIOSTATISTICS	Course Code: CP905	Credit Hours: 2+0
This course integrates epidemiological and biostatistical techniques, emphasizing applications to clinical research (including study design, bias and confounding, hypothesis testing, confidence intervals, sample size calculations, and introduction to parametric and nonparametric tests). Students will gain practical skills in developing a research project and in carrying out data analyses. This course helps the students develop the writing skills of research proposals, reports, theses and articles in international standards. The course familiarizes the students with using a statistical package and gives them the skills needed for effective data management, data manipulation, and data analysis at a basic level. The course will develop fundamental skills in using a statistical package through classroom demonstrations and independent lab. This helps the students get acquainted with different research strategies and identify potential research plans that will help them in their future research projects.		
Year 2		
CLINICAL CLERKSHIP	Course Code:	Credit Hours: 28
Clinical clerkship is for 28 weeks each during third and fourth semester, during which students will be assigned primarily to clinical rotations in different hospital departments of DHA, DOH, MOHAP approved facilities. Each student experience will include total four weeks each on Internal medicine I & 2, Ambulatory Care, Paediatric care, Intensive Care, Surgery, and a two-week block on <u>any two</u> of the following selection: •Psychiatry •Drug Information Service •Obstetrics & Gynaecology •Infectious Disease •Therapeutic Drug Monitoring •Total Parenteral Nutrition •Community Pharmacy		
RESEARCH PROJECT & DISSERTATION	Course Code:	Credit Hours: 6
After successful completion of didactic courses in year one in Dubai Pharmacy College for Girls (DPCG), Students are required to go for clinical clerkship rotation in Hospitals in Year two. During their training, students are required to conduct publishable research for a minimum of 12 weeks in clinical, hospital or community related topics. The research project must exhibit original investigation, analysis and interpretation. All the senior academic staff of the Clinical Pharmacy and Pharmacotherapeutics department will be involved in supervising the M. Pharm Clinical pharmacy postgraduate students in their research as part of the curriculum. Students are required to prepare a proposal for their research/review topic. If the project involves interaction with the patients or patient data, then they are required to apply for institutional ethical approval in DPCG. They are also required to get an approval from DHA/MoH if the data collection site is in DHA/MOH hospitals. Students utilize hospital databases and library databases to conduct the research/reviews. Students must submit the		

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report at the end of Clerkship training and must do final presentation of the research to fulfil the requirement of Master of Pharmacy (Clinical Pharmacy) program.

Course Code:	CPC-IM-C
Course Title:	Pharmacotherapy in Internal Medicine-1 & 2
Duration	4 weeks (4 CH)
Working Hours	5 hrs/day
Prerequisite:	Pharmacotherapy I
Course Description: The purpose of this rotation is to provide training to the students in clerking cases in the Department of Internal Medicine. Vital to this is the mandatory participation in the ward rounds with the internists daily for duration of time assigned to this department. The focus must be on each case marker, namely, patient details, lab data, medication regimen and the associated rationale of therapy. The students must anticipate that each case will present with some issues to be dealt with in terms of the medication regimen. A total of stated cases must be clerked and the same must be disseminated to the class in the form of presentations / group discussions on a weekly basis. The students must select a particular case for the final exam presentation. Subject Objectives The objectives of this clerkship for the students are to: • Participate and involve in the ward rounds with the internists (physician specializing in internal medicine). • Carefully and efficiently clerk the cases assigned to them. • Follow closely all aspects of each patient's care, and should be up to date on the patient's clinical status, lab data, medications, etc. • Actively participate in discussions with the internists about each specific case on-site.	

Course Code:	CP-PD-C
Course Title:	Pharmacotherapy in Paediatric Care
Duration	4 weeks (4CH)
Prerequisite:	Pharmacotherapeutics II
Course Description The purpose of this rotation is to provide training in pediatric medicine and infant care. Students will participate in the direct primary care of the infant and children in the hospital while supervised and supported by an interdisciplinary faculty consisting of physicians, nurses, and pharmacists. Subject Objectives The objectives of this clerkship for the students are to: • Define different age groups within the pediatric population. • Explain general pharmacokinetic & pharmacodynamic differences in pediatric versus adult patients. • Identify factors that affect selection of safe and effective drug therapy in pediatric	

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patients.

- Identify strategies for appropriate medication administration to infant and young children.

Course Code:	CP-IC-C
Course Title:	Pharmacotherapy in Intensive care
Duration	4 weeks (4CH)
Prerequisite:	Pharmacotherapeutics I & II
Course Description Students will be exposed to critically ill unstable patients for whom the common pathway of resuscitation will apply. Procedural skills will vary depending on which unit students rotate through, but basic procedural skills will be obtained in any units they are placed to. Other common pharmacotherapy intervention will vary depending on unit specialty.	
Subject Objectives The objectives of this clerkship for the students are to: • Understand the fundamental principles of overall management of cases in the intensive care unit: • Recognize conditions when a patient has a life-threatening illness and needs intensive monitoring and care in an ICU setting • Learn Basic tenets of pharmacotherapeutic aspects of stabilization of an unstable patient • Understanding of a thorough differential diagnosis for patients with life threatening conditions	

Course Code:	CP-S-C
Course Title:	Pharmacotherapy in Surgery
Duration	4 weeks (4CH)
Prerequisite:	Pharmacotherapeutics I & II
Course Description The objectives of this clerkship for the students are to provide exposure to an intense clinical experience that introduces students to the basic principles of surgery. The clerkship is designed to equip students with the knowledge and skills relevant to surgical management that all students should possess. In addition, it aims to emphasize teamwork, patient responsibility, and professional behavior as essential qualities to develop. Pharmacotherapeutic aspects of surgery are also given due emphasis in the clerkship.	

Course Code:	CP-OG-E
Course Title:	Pharmacotherapy in Obstetrics & Gynaecology
Duration	2 weeks (2CH)
Prerequisite:	Pharmacotherapeutics I & II
Course Description As part of clerkship experience, students will have the opportunity to be involved with inpatient, outpatient and on-call duties of obstetrics and gynecology practices.	

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Formal and informal daily teaching sessions and rounds with the faculty and resident staff are an integral part of the training. The Problem Based Learning System is used in the training held at the assigned hospitals. Those sessions are constructed to cover the Obstetrics and Gynecology Care objectives under the guidance of preceptors.

Subject Objectives

The objectives of this clerkship for the students are to learn the course of normal and abnormal labor, normal and complicated deliveries, care of newborn infants in the delivery room, and the clinical management of patients with gynecologic disorders.

Although a portion of learning will be derived from observation, the bulk will result from direct experience in outpatient clinics, the operating room and "on the deck" of labor and delivery. There is also a significant didactic learning component that includes a series of lectures, conferences and teaching rounds.

Course Code:	CP-ID-E
Course Title:	Pharmacotherapy in Infectious Disease
Duration	2 weeks (2CH)
Prerequisite:	Pharmacotherapeutics II

Course Description

This clerkship will provide a broad overview or introduction to the treatment and management of infectious diseases. The focus will be on common infections seen in community and hospital settings, principles of microbiology and infectious diseases, antimicrobial use, and antimicrobial stewardship. The broad unit objectives are for students to develop and apply infectious diseases and antimicrobial use knowledge and skills in the care of patients, especially those with infections. These may be patients in the community or hospital settings. The knowledge and skills developed will be at a general level rather than at the level required for a specialist infectious diseases pharmacist.

Subject Objectives

The objectives of this clerkship for the students are to:

- introduce to a range of topics relevant to the optimal use of anti-infectives and the management of patients with infections.
- manage patients requiring anti-infective therapies, and the use anti-infectives in general.
- develop critical thinking, communication and problem-solving skills, with a focus on infectious diseases and their treatment related topics.

Course Code:	CPC-PSY-E
Course Title:	Pharmacotherapy in Psychiatry
Duration	2 weeks (2 CH)
Working Hours	5 hrs/day
Prerequisite:	Pharmacotherapy III

Course Synopsis

This clinical experience will provide students with a solid foundation in the fundamentals of the evaluation, diagnosis, treatment, and appropriate referral of patients with mental health

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disorders. Students will be exposed to all major psychiatric diagnostic categories including affective disorders, anxiety disorders, psychotic disorders, alcohol and substance abuse disorders, geriatrics disorders, children and adolescent disorders, somatization disorders, oppositional defiant disorder, autism, pervasive developmental disorder, and personality disorders.

Course Code:	CPC-TDM-E
Course Title:	Pharmacotherapy in Therapeutic Drug Monitoring
Duration	2 weeks (2CH)
Working Hours	5 hrs/day
Prerequisite:	Clinical Pharmacokinetics
Course Synopsis The purpose of this rotation is to provide training to the students in Therapeutic Drug Monitoring. Therapeutic drug monitoring is an essential component of the pharmacist's responsibility, and a critical part of the drug use process. Accurate monitoring insures appropriate and cost-effective pharmaceutical care for all patients. Focus is placed on familiarizing with the various factors affecting TDM and the subsequent calculations of the medications to be administered. Therapeutic drug monitoring involves the maintenance, modification, or discontinuation of a drug based on its efficacy, therapeutic activity, adverse effect profile, and patient response.	

Course Code:	CPC-DIS-E
Course Title:	Pharmacotherapy in Drug Information Service
Duration	2 weeks (2 CH)
Working Hours	5 hrs/day
Prerequisite:	Clinical Pharmacy Practice
Course Synopsis As part of this clerkship experience, students will have the opportunity to be involved in receiving calls from the physicians or patients or any other health care professionals and provide responses to their queries. The aim of the DPIC clerkship is to deliver the students with experience in providing authenticated and updated drug and poison information services to the physicians or patients.	

Course Code:	CPC-TPN-E
Course Title:	Pharmacotherapy in Total Parenteral Nutrition
Duration	2 weeks (2CH)
Working Hours	5 hrs/day
Prerequisite:	Clinical Pharmacy Practice
Course Synopsis The purpose of this rotation is to provide training in Total Parenteral Nutrition, administration and calculation. Students will participate and focus on the cases (patients) whose conditions require the administration of TPN. Further to this, they will be required to look at various issues in this context like the TPN-specific calculations, incompatibility issues	

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and the like.

Course Code:	CPC-AC-E
Course Title:	Ambulatory care/ Community Pharmacy
Duration	2 weeks (2CH)
Working Hours	5 hrs/day
Prerequisite:	Clinical Pharmacy Practice
Course Synopsis The Ambulatory Care Clerkship introduces the student to outpatient medicine. The goal is for students to become familiar with practicing medicine in the outpatient setting. Students will integrate their knowledge of therapeutics and pathophysiology to effectively provide pharmaceutical care in an ambulatory patient care environment while a licensed preceptor supervises them.	



Teaching Activities

Code	Courses	Lecture	Practical	Total Units	Teaching Pedagogy												Assessment Tools										
					Lectures	Practical	Tutorial	Seminar	Computer Lab	Class Activity	PBL	Video demonstrations	Case Study	Small Group Discussion	Self-directed learning	Quizzes/CBT	OSCE	PBL assessment	Attitude & Behavior	Case based assessment	Assignment	Presentation	Project Report/GCP	Mid Semester	Practical		Final Exam
																									Preceptor Evaluation	oral	
CP901	Clinical Pharmacy Practice	3	-	3	√	√			√	√	√	√	√	20	50		5	10	15								
CP902	Therapeutic Drug Monitoring	1	1	2	√	√	√	√	√	√	√	√	√	25					15	25						35	
CP903-1	Pharmacotherapeutics-I	2	1	3		√			√	√	√	√	√	20		30	5			10						35	
CP903-2	Pharmacotherapeutics-II	2	1	3	√	√			√	√	√	√	√	20		30			10	5						35	
CP903-3	Pharmacotherapeutics-III	2	1	3	√	√	√		√		√	√	√	20			5	10	20	10						35	
CP903-2	Pharmacotherapeutics-IV	2	1	3	√	√			√	√	√	√	√	20		30			10	5						35	
CP904	Clinical Toxicology & Drug Poisoning	1	1	2	√	√				√			√	25			5		15	20						35	
CP905	Clinical Research Methodology & Biostatistics	2	-	2	√	√	√	√					√	√	40				20	20	20					-	
CPC-IM-C	Internal Medicine I			4		√							√	√	√					25	15		60				
CPC-IM-C	Internal Medicine 2			4		√							√	√	√					25	15		60				
CPC-AMB-C	Ambulatory Care			4		√														25	15		60				
CPC-PD-C	Pediatrics			4		√							√	√	√					25	15		60				
CPC-ICM-C	Intensive Care Medicine			4		√							√	√	√					25	15		60				
CPC-S-C	Surgery			4		√							√	√	√					25	15		60				
CPC-O&G-E	Obstetrics and Gynecology			2		√							√	√	√					25	15		60				
CPC-PSY-E	Psychiatry			2		√							√	√	√					25	15		60				
CPC-ID-C	Infectious Diseases			2		√							√	√	√					25	15		60				
CPC-TDM-E	Therapeutic Drug Monitoring			2		√							√	√	√					25	15		60				
CPC-DIS-E	Drug Information Service			2		√							√	√	√					25	15		60				
CPC-TPN-E	Total Parenteral Nutrition			2		√							√	√	√					25	15		60				
CPC-CP-E	Community Pharmacy			2		√							√	√	√					25	15		60				

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Method of Instruction

The classrooms at DPCG are equipped with updated technologies such as interactive white boards, seminar aids, speakers, and clickers. The laboratories at DPCG are well equipped with latest equipment and instruments in performing Lab work and conducting research.

Different methods used in teaching and learning during the program:

Didactic Courses

Didactic courses will be taught through different strategies such as Lectures; laboratory classes; tutorials; problem-based learning, self-directed learning, assignments, and seminars.

Seminars

All the students are required to participate in their respective specialization's seminar program. The graduate faculty members for respective specialization will grade seminars courses. The grade will be assigned based on the quality of the student's seminar presentation and their attendance throughout the semester. Faculty and graduate students will complete an evaluation sheet for each student's seminar so that the student presenter can also receive specific comments on presentation style and content.

Problem Based Learning (PBL)

In PBL, students engage in complex, challenging problems and collaboratively work toward their resolution. Students spend a great deal of time discussing the problem, generating hypotheses, identifying relevant facts, searching for information, and defining their own learning issues. This fosters collaboration among students, stresses the development of problem-solving skills within the context of professional practice, promotes effective reasoning and self-directed learning, and is aimed at increasing motivation for life-long learning.

Self-directed learning

Self-directed learning is fostered library services providing an extensive range of textbooks and access to electronic journals and other online resources.

Simulation

Pharmacy Simulator is a fully 3D simulated learning environment for students. It navigates a range of realistic patient encounters and helps to learn from detailed feedback. Simulation learning Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

Role-played scenarios or "standardized patients" – where the student interacts with either a staff member or another student to perform a mock patient encounter. The student is assessed by an observer or a patient actor. These role plays help the students to prepare for **Objective Structured Clinical Examination (OSCE)**, which is a method of student assessment to evaluate pharmaceutical and clinical skills.

Assessment

Assessment on the MPharm degree program is a mixture of formative assessments (in form of coursework) and summative assessments (written & practical examinations).

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Didactic Course Assessment:

Each taught course is assessed by 30-40 per cent coursework, 60-70 per cent exam (mid-term exam, final written, and lab exam) with exceptions for the courses required different evaluation format.

The coursework mark is derived from a series of assignments, which assess your ability to synthesize information from various sources into reasoned reports. Coursework varies from course to course and comprises a mix of Practical write-ups, Patient profiles, written reports and essays, small group projects, oral presentations, quizzes etc. Course coordinator will provide Coursework submission guidelines & grading criteria (usually in the form of rubric).

Quiz is scheduled during the semester and final written & PBL examinations are scheduled at the end of first and second semester. Exams are normally closed book, though a calculator is permitted in some exams. To assess all learning outcomes, all the questions are compulsory in exams.

Exams usually combine MCQ section, short answers, and longer essay-type questions.

In OSCE, Candidates rotate through several stations on a timed basis. At each station, the candidate faces a simulated task and must perform specific functions. Both interactive and non-interactive stations are used.

Trained examiners are employed as simulated patients in interactive stations evaluating the exam using a marking key that is standardized. Non-interactive stations use written responses for a given case situation within the stipulated time. Interpersonal and communication skills, professional judgment, skills of resolution, etc., may be best assessed through a well-structured OSCE in comparison to oral examinations, multiple choice tests and other methods of assessment.

Dissertation & Defense Assessment:

The assessment of the dissertation work is based on dissertation and defense at the end of the fourth semester. Dissertation is assessed based on the dissertation and defense with 60% and 40% marks respectively.

Clerkship Assessment:

Clerkship is assessed based on clerkship evaluation (continuous) and final evaluation (case presentation and written report) with 60% and 40% marks respectively.

Graduation Completion Requirements

MPharm degree will be awarded to students who successfully complete all the requirements of graduation. The requirements include:

- Pass all the courses, both theoretical and practical as per the assessment and grading rules of the college.
- Successfully complete required clerkships in hospitals approved by college.
- Complete a major research project and successfully defend it in front of a panel of external and internal examiners appointed by the college.
- A minimum pass mark of 70% (Grade C) for each course and maintain an overall CGPA (Cumulative Grade Point Average) of 3 (80%) or more. A pass in Rotations.
- A minimum attendance of 80% with each didactic courses and 100% attendance in rotations.

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- g. A maximum duration of 3.5 years is allowed but upon recommendation of the *Program Director* and permission from the *Vice Chancellor Research and Postgraduate Education*.

Glossary of Terms

Program

The set of courses and other formally established learning experiences which together lead to a qualification.

Curriculum

The term refers to a set of related courses constituting an area of specialization, such as the MPharm (Clinical Pharmacy) curriculum.

Credit hour and the credit system

Academic credit provides a basis to measure the amount of engaged learning time expected of a typical student. A credit, or credit hour, is a unit of measurement defining the student's overall effort towards attaining a qualification.

1 credit hour equals approximately 1 hour of time in class per week over a semester of 15 weeks or longer. It is assumed that a student spends two hours outside of class in independent learning or specific course assignments for every hour in class. For laboratory and case studies, 1 credit hour equals 2 hours of case discussions and lab work respectively.

Pre-requisite

It refers to each course which is found necessary for each student to complete successfully before being allowed to register for a subsequent one.

Semester

A semester is a period, typically a minimum of 15 weeks, during which an institution offers courses.

Course

A course consists of several instructional activities over a prescribed period of time. It deals with a single subject and is commonly described by title, number, credits, and expected learning outcomes.

Electives

Electives are the courses which are not compulsory for students. Electives may be free—selected by the student from any course offerings, or restricted—chosen from a pre-determined list of options. For example, students of MPharm (Clinical Pharmacy) program must select two clinical clerkships out of five areas.

Clinical Clerkship

A course of clinical medical training in a specialty (Internal Medicine, Infectious Diseases, Pediatric care, Intensive Care, Surgery, Obstetrics & Gynecology) that usually lasts a minimum of four weeks each compulsory clerkship and minimum of two weeks elective clerkship and takes place during the third and fourth semester of MPharm (Clinical Pharmacy) program

established by cooperation between college and local hospitals.

23. DMU GRADING SYSTEM – MASTER’S PROGRAM

Grading System

Grading at the graduate level is intended to offer feedback to students on their performance in each course, including once students reach the dissertation and dissertation stage. Faculties are encouraged to specify course requirements and grading expectations for students. Students are assigned grades (letters) for each course, which reflects the student’s achievement in the course. The minimum grade for passing a course is letter (C) and grades are written in letters according to the following table:

Course Grade Scaling system

Range of Marks	Grade Point	Grade Symbol	Merit
95 - 100	4.00	A+	Outstanding
90 – 94.99	3.75	A	Excellent
85 – 89.99	3.50	B+	Very Good
80 – 84.99	3.00	B	Good
75 – 79.99	2.50	C+	Satisfactory
70 – 74.99	2.00	C	Pass
Below 70	0.00	F	Fail
Administrative Codes			
-	-	P	Pass (non-credit)
-	-	IP	In Progress
-	-	I	Incomplete
-	-	T	Transferred & equated
-	-	AU	Audit Transfer
-	-	W	Withdraw
-	-	AW	Administrative Withdrawal

Computation of the Cumulative Grade Point Average (CGPA) and Grade Point Average (GPA)

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 in a semester. The CGPA is calculated by multiplying the grade of each course by the number of credit hours and dividing the total of all courses by the number of total credit hours taken for all semesters. Both GPA and CGPA are rounded to the nearest decimal units. GPA and CGPA are calculated according to the following formula:

GPA = Total (credit hours per course x grades received per course) for all courses taken in one semester / Total credit hours for all courses taken in one semester

CGPA = Total (credit hours per course x grades received per course) for all the courses taken in all semesters / Total credit hours for all the courses taken in all semesters

GPA and CGPA are evaluated as follows:

GPA / CGPA	Merit
4.00-3.90	Outstanding
3.89-3.75	Excellent
3.74 - 3.50	Very Good
3.49 - 3.25	Good
3.24-3.00	Satisfactory
Less than 3.00	Unsatisfactory

The grading system is effective for newly admitted students for the academic year 2024-2025 and after.

Definitions:

P: Pass (noncredit) = satisfactory completion of noncredit of course/internship/clerkship (this grade is not computed in the students GPA but determines the student's progress towards completion of degree requirements).

IP: in progress = the IP grade is awarded when certain course related activities such as internship and projects require a longer time to be completed than the deadline for grade submission. This grade is not computed in the students GPA determine student's progress towards completion of degree requirements. The IP grade must be resolved within one month from the time the IP is given.

I: Incomplete = the student is unable to complete the course requirements for a reason deemed legitimate by the Student Affairs.

T: transfer = a transfer of credit for an equivalent undergraduate course taken at another accredited academic institution with a minimum grade of C. This grade is not computed in the student's GPA and passed the credit hours.

AU: Audit Transfer = a transfer of credit for an equivalent undergraduate course taken at another accredited academic institution with a minimum grade of C but student is required to attend. This grade is not computed in the student's GPA and passed the credit hours.

W: withdrawal from the course = reflects the students' voluntary withdrawal before Thursday of the 10th week of the semester this grade is not computed in the students GPA but determines student's progress towards completion of degree requirements.

AW: Administrative Withdrawal = AW grade reflects the administrative withdrawal of student from the course for violation of DMU policies that necessitate student withdrawal. This grade is not computed in the student's GPA but determines student's progress towards completion of degree requirements

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24. DMU SENIOR ADMINISTRATION

S. No.	Name	Designation	email	Office No.
2	Sherief Khalifa	Vice-Chancellor of Quality Assurance and Institutional Effectiveness	Prof.sherief@dpc.edu	2300
3	Janusz Jankowski	Vice-Chancellor of Academic Affairs	prof.janusz@saeedlootahfoundation.com	
6	Yousif El Tayeb	Dean, Professor and Chair of Clinical Sciences Department	yeltayeb@dmcg.edu	2505
7	Sherief Khalifa	Dean – Pharmacy College	Prof.sherief@dpc.edu	2300
8	Basil Hameed Amarneh	Dean - College of Nursing	prof.basil@dmcg.edu	2588

25. DMU FACULTY & ADMINISTRATIVE STAFF

DPCG				
S. No.	Name	Designation	email	Office No.
1	Mirza R Baig	Professor	Dr.Mirzabaig@dpc.edu	2304
2	Kishore Ghana Sam	Professor	Dr.Kishore@dpc.edu	2337
3	Ammar Ali Saleh Jaber	Associate Professor	dr.ammam@dpc.edu	2306
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6	Mariam Jihad Diab	Lecturer	dr.mariam.d@dpc.edu	
7	Eiman Shamseldin	Lecturer	eiman@dpc.edu	2318
8	Rizah Anwar Assadi	Lecturer	rizah@dpc.edu	2378
9	Dr. Sahar Elnajjar	Lecturer & Clinical Preceptor	-	2348
Adjunct Faculty Members				
S. No.	Name	Designation	email	Office No.
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11	Dr. Tariq Mansoor	Adjunct Faculty	pharmacy.director@saudigerman.com	
12	Dr. Suhaila Mohammed Shareef Alawadhi	Adjunct Professor	suhaila1@gmail.com	
Administrative Staff				
S. No.	Name	Designation	email	Office No.
12	Sana Khan	M. Pharm Executive	sana@dpc.edu	2346

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26. CONTACT INFORMATION AND LOCATION MAP

Our Office Location:

Dubai Medical University

P.O.BOX: 20170,

Al Muhaisanah 1, Al Mizhar,

Dubai – United Arab Emirates

Contact Number

+971 4 2120 555

DMU Timings

7.30 AM to 3.30 PM (Mon – Thu)

7.30 AM to 12.00 Noon (Fri)

*Weekend Classes- for MPharm (Sat and Sun)

*Timings will be notified in Timetable

Email Address

dmcg@dmcg.edu (temporary email)

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Location map:



<https://goo.gl/maps/un81ZaKhppVZPkWC6>

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Document History

Version	Date	Updated Information	Author/ Reviewer
V 1.0	June 2024	Document Created	QAIE Dept