Academic Year 2024-25

Undergraduate Catalog

Bachelor of Pharmacy

Batch 33

"Dubai Pharmacy College for Girls located in the Emirate of Dubai is officially licensed from 16/May/2023 to 04/May/2026 by the Ministry of Education of United Arab Emirates to award the Bachelor of Pharmacy degree in higher education."

International-Accreditation status has been granted for the College's Bachelor of Pharmacy Degree program by the Accreditation Council for Pharmacy Education (ACPE), 190 South LaSalle Street, Suite 3000, Chicago, Illinois 60603-3446, USA with Accreditation valid until 31st January 2028., TEL: +1 (312) 664-3575; FAX: +1 (866) 228-2631; web site https://www.acpe-accredit.org/international-services-program/."

The Commission for Academic Accreditation (CAA) certified that the BPharm program offered by DPCG is approved for Renewal of Program Accreditation *(RPA) in recognition of its compliance with the Standards for Licensure and Accreditation. This Accreditation is valid until 31 January 2027.*

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.

H. H. Shaikh Mohammed Bin Zayed Al Nahyan
President of the United Arab Emirates

H. H. General Shaikh Mohammed Bin Rashid Al Maktoum
Vice President and Prime Minister of the
United Arab Emirates and Ruler of Dubai

H. H. Shaikh Hamdan Bin Mohammed Bin Rashid Al Maktoum
Crown Prince of Dubai

Message from the Founder

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.

With the enduring values of education, cooperation and economy which set the foundations of his work, Dubai Pharmacy College for Girls was established in 1992. The first pharmacy College, accredited by the Ministry of Higher Education and Scientific Research, UAE, is the result of the single-minded dedication of this great visionary.

His earlier educational ventures of importance and repute are- The Islamic School for Training and Education, Dubai Medical College for Girls, Dubai Institute for Environmental Research and Dubai Medical Centre for Treatment and Research.

Thanks to his vision and leadership, Dubai Pharmacy College for Girls continues to demonstrate unique values that extend well beyond its functional benefits creating more excellent economic, social and environmental benefits for people in the United Arab Emirates and beyond.

Foreword from the Dean

Prof. Sherief Khalifa

Dean and Vice Chancellor of Quality Assurance and Institution Research

Welcome to Dubai Pharmacy College for Girls (DPCG), an institution established by the eminent philanthropist, Hajj Saeed Bin Ahmed Al Lootah in 1992.

Endowed with the Dubai Appreciation Award in 2004, our college is accredited and licensed by the Ministry of Education -Higher Education Affairs, UAE since 1998 for the **Bachelor of Pharmacy (BPharm)** program and Initial Accreditation since October 2013 for the **Master of Pharmacy (MPharm)** program with specialization in **Clinical Pharmacy**. The BPharm program has recently received international – Accreditation by the US Accreditation Council for Pharmacy Education (ACPE): International Services Program – Accreditation Council for Pharmacy Education (acpe-accredit.org). Our MPharm program provides eligibility for licensure as a clinical pharmacist and opens doors for a rewarding academic career.

In reality, there is no better time to consider "Pharmacy" as a career than it is today! The pharmacist's role in healthcare is undergoing continuous evolution and development and the scope of pharmacy practice has expanded to include, pharmacy informatics, vaccination and independent prescribing in addition to a plethora of opportunities in the pharmaceutical industry: Marketing, Medical Affairs, Regulatory Affairs, Pharmacovigilance, Pharmacoeconomics, Pharmaceutical Production, Quality Control and Research.
Let me give you a sneak peek into the future of our College. We are in the process of transforming into a full-fledged university. This transformation will create unique opportunities for our students to engage in interprofessional education with their peers in the Colleges of Medicine and Nursing. It will also open doors for partnerships with institutions from around the world allowing for student and faculty exchange and providing exciting opportunities for engagement in joint research projects with top tier colleges of pharmacy. Working with internationally acclaimed institutions will serve to enhance the

quality of our educational programs as we rub shoulders with the world's finest in pharmacy education.

Our future programs include The Doctor of Pharmacy (Postgraduate PharmD) in collaboration with globally acclaimed hospitals in the UAE and with contribution from worldly experts from institutions around the world.

I invite you to navigate through our website, and even better, visit our campus to meet with us in person, interact with our faculty and explore the endless opportunities we have in store for you!

Professor Sherief Khalifa

Dean

Dubai Pharmacy College for Girls

Board of Trustees

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Lieutenant General and the current DeputyChief of Police and General Security.

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Member, Board of Trustees

Ex-officio members:
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Vice Chancellors
Dean, Dubai Medical College for Girls
Dean, Dubai Pharmacy College for Girls
Dean, College of Nursing

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1.DPCG Academic Calendar- Academic Year 2024-2025

DPCG Academic Calendar- Academic Year 2024-2025

Fall Semester

Event	Day	Dates
Faculty and Admin orientation	Monday	19/08/2024
DPCG General Orientation and college orientation	Thursday & Friday	22-Aug-2024 and 23-Aug-2024
Commencement of classes	Monday	26/08/2024
Add /Drop	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	07/09/2024
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 and 03-Dec-2024*
Final Exams of BPharm	Monday to Friday	*09-Dec-2024 to 20-Dec-2024*
Winter Break	Monday to Sunday	23/12/2024 to 05/01/2025
Beginning of Final Exams for M. Pharm	Sunday	12/01/2025
Announcement of Final Exams result	Wednesday	*25-Dec-2024*
Beginning of Re-sit Exams of BPharm	Monday To Tuesday	06/01/2025 To 14/01/2025

Spring Semester

Event	Day	Dates

Commencement of classes	Monday	06/01/2025
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	08/02/2024
Spring Break	Monday to Sunday	24/03/2025 to 30/03/2025
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	12/05/2025 To 18/05/2025
Beginning of Final Exams for M. Pharm	Sunday	01/06/2025

Summer Semester (1)

Event	Day	Dates
Orientation of Introductory Professional Practice Experience & Exam, 2nd year (IPPE-01).	Friday	16/05/2025
Orientation of Introductory Professional Practice Experience- Health care setting & Exam, 3rd year (IPPE-02).	Friday	16/05/2025
Commencement of classes***	Monday	19-May-2025
Add/Drop	Monday To	*19-May-2025 to 26-May-2025*

	Monday	
Last day to withdraw from courses	Monday	*02-Jun-2025*
Introductory Professional Practice Experience - Health care setting (IPPE-02), 3rd year	Monday To Friday	19/05/2025 to 20/06/2025
Introductory Professional Practice Experience (IPPE-01), 2nd year	Monday To Friday	19/05/2025 to 27/06/2025
Eid al Adha holiday*	Thursday To Sunday	*05-Jun-2025 to 08-Jun-2025*
Industrial Training (INTR) , 3rd year	Monday to Friday	23/06/2025 27/06/2025
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)* **		
Event	**Day**	**Dates**
Orientation of Introductory Professional Practice Experience & Exam, 2nd year (IPPE-01).	Sunday	6/07/2025
Orientation of Introductory Professional Practice Experience- Health care setting & Exam, 3rd year (IPPE-02).	Sunday	6/07/2025
Beginning of Introductory Professional Practice Experience - Health care setting (IPPE-02), 3rd year	Monday To Friday	7/07/2025 to 1/08/2025
Beginning of Introductory Professional Practice Experience (IPPE-01), 2nd year	Saturday To Friday	7/07/2025 To 08/8/2025

Summer Vacation Begins for both faculty and students	**Monday**	**07/07/2025**
*: 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		

Associate Dean -Academic Affairs

Prof. Naglaa Gamil Shehab

Dean, Dubai Pharmacy College for Girls

Prof. Sherief Khalifa

2. History of Dubai Pharmacy College For Girls

Foundation and Early Years
September 1992 • Dubai Pharmacy College for Girls (DPCG) was established by the visionary and philanthropist Hajj Saeed Bin Ahmed Al-Lootah. It was founded under the Dubai Institute of Environmental Research with the aim of becoming a leading institution in pharmaceutical education and research.
1992 • Dr. Mizra Beg served as Director (DIER) and Dr. Saeed Ahmad Khan was appointed as the Head of the Educational Unit • The first batch of 27 students (16 girls and 11 boys) was enrolled.
April 1993 • Prof. Fawzi Taha Ktob from Alexandria University became the Dean of DPCG.
Growth and Development
1994-1995 • DPCG established partnerships with Dubai Government Hospitals and Julphar Pharmaceutical Industry to offer internships to students.
April 1996 • Submitted Form-A to the Ministry of Higher Education and Scientific Research (MOHE&SR) for accreditation.
October 1996 • Prof. J.S. Qadry was appointed as Dean. The first batch of pharmacists graduated.
• October 1997A U.S. expert team visited DPCG to evaluate its facilities, and a report was submitted to MOHE&SR.
• December 1998DPCG received accreditation from MOHE&SR, allowing the College to award a B.Pharm degree and achieve deemed university status.
Expanding Horizons
February 2001 • Delegates from MOHE&SR visited and encouraged the start of a Pharm.D. degree program.
August 2001 • Prof. Sobbi Ali Said became Dean. Dr. Saeed Ahmad Khan was appointed Chief Academic Officer. The syllabus and curriculum were revised.
2004 • DPCG was awarded the Dubai Quality Appreciation Award for being the Best Teaching Institute in the UAE.
Innovations and Achievements
February 2007 • Dr. Saeed Ahmad Khan was reappointed as Dean. Initiatives included the launch of the 'Pharmatalk' lecture series and advanced courses in various pharmaceutical fields.
2008

- Major infrastructure renovations and curriculum updates.
- New administration units and committees were formed.
- Fourth-year students began training in global pharmaceutical laboratories.

2011

- The DPCG Newsletter was launched to share news, events, and achievements.

Accreditation and International Partnerships

2013

- The Master's Program received initial accreditation from MOHE&SR for Clinical Pharmacy and Pharmaceutical Product Development.

2015

- Introduction of a Certificate course in Drug Regulatory Affairs.

2016

- Awarded the GCC Pharma Outstanding Education Award
- Re-accreditation for BPharm program by MOHE.

2017

- Certificate courses in Pharmacy Licensing and Pharmacovigilance were introduced.

2015

- Introduction of a Certificate course in Drug Regulatory Affairs.

2018

- Selected among the top 10 valuable institutes in the UAE.
- The Master's program received full accreditation from MOHE.
- Awarded the Education Leadership Award for Dean Prof. Saeed Ahmed Khan.
- New research labs and enhanced library infrastructure.

Recent Developments

2019

- MoUs signed with University of Strathclyde (UK), Manipal Academy of Higher Education (Dubai), and Universitas 17 Agustus 1945 Jakarta (Indonesia).

2021

- Initiated the process for international accreditation for the B.Pharm program with the Accreditation Council for Pharmacy Education (ACPE), USA.

2022

- Became an authorized EMSAT Centre.
- Five faculty members listed among top scientists in the UAE (AD Scientific Index 2022).
- Application for MPharm Clinical Pharmacy program renewal submitted to Commission for Academic Accreditation (CAA).

2023

- Institutional licensure renewed by CAA-MOE
- MoU with Nafis program to sponsor UAE Nationals in the healthcare sector.
- Provisional International-Accreditation status received from ACPE for the BPharm program.

2024

- BPharm program granted full International-Accreditation by ACPE, valid until January 2028.
- MPharm program with Clinical Pharmacy concentration approved for Renewal of Program Accreditation by CAA until September 2027.
- Professor Sherief Khalifa appointed as Dean and Vice Chancellor for Quality & Institutional Effectiveness effective March 1, 2024.

3.Dubai Pharmacy College For Girls Partenrships

No	Partner	Scope	Department/ Unit	Date of Signing	Validity
1	Abbott Laboratories GmbH, Dubai, UAE for BPharm Training.	Internship program for BPharm undergraduates and graduates	Professional Practice Experience	July 1, 2024	
2	University of Strathclyde, UK	Research Collaboration	Research and Faculty Development	19-Dec-17	Five years Under renewal
3	Universitas 17 Agustus 1945 Jakarta	Faculty exchange, Sharing resources, joint research	Research and Faculty Development	6-Oct-20	Six years
4	Madda Walabu University, Ethiopia	Education, research, training and dissemination of information	Research and Faculty Development	9-Dec-22	Five years
5	Manipal Academy of Higher Education, Dubai	Academic/Research collaboration	Research and Faculty Development	23-Nov-19	Five years
6	Smt. Kishoritai Bhoyar College of Pharmacy, India	Academic/Research collaboration	Research and Faculty Development	1-Apr-23	Not specified
7	Emirati Talent Competitive Council (Nafis)	To provide special scholarships to UAE National in the BPharm Program. Scholarships include periodic rewards	Admission and Dean's Office	9-Aug-23	Five Years

8	Ministry of Education (MOE), Higher Colleges of Technology - Centre of Excellence for Applied Research & Training (CERT), EmSAT	DPC will take the responsibility to conduct all EmSAT Exams mentioned in the EmSAT Calendar	Admission and Dean's Office / Examination Unit	11-Oct-23	Not specified
9	Althiqa Pharmacy (Abu Dhabi)	Community Pharmacy training for BPharm students	Professional Practice Experience	25-Nov-20	Not specified
10	American Hospital	BPharm students in their last semester undertake training.	Professional Practice Experience	13-Apr-22	13 Apr-/2026
11	Burjeel Hospital (Sharjah)	BPharm students in their last semester undertake training.	Professional Practice Experience	30-Mar-23	29 March/2028
12	Canadian Hospital	BPharm students in their last semester undertake training.	Professional Practice Experience	2-Mar-23	2 December /2028
13	Dr Sulaiman Al Habib	BPharm students in their last semester undertake and under course Hospital training	Professional Practice Experience	1-Jul-21	1-July-/2023 Under renewal
14	MBRU-Dubai Academic Health Cooperation (DAHC)	• BPharm students in their last semester undertake and under course Hospital training in different hospitals of DHA. • MPharm students undertake their Clerkship in their final year of study	Professional Practice Experience	1-Nov-23	31-Oct-2026
15	Emirates Health Service (EHS)	BPharm students in their last semester undertake training. MPharm also go for training	Professional Practice Experience	13-Mar-23	12/-March-2026

16	Fakeeh University Hospital	BPharm students in their last semester undertake training. MPharm also go for training	Professional Practice Experience	1-Apr-24	1-Apr- 2026
17	Gulf Medical University, College of Pharmacy	BPharm students in their last semester undertake training. MPharm training	Professional Practice Experience	1-June-21	31-May-2026
18	NMC Health Care LTD, (in Abu Dhabi Global Market)	BPharm students in their last semester undertake training.	Professional Practice Experience	1-Apr-21	1-March-/2026
19	NMC Royal DIP	BPharm students in their last semester undertake training.	Professional Practice Experience	1-Apr-22	1-Apr- 2027
20	Saudi German Hospital (Ajman, Dubai and Sharjah)	BPharm students in their last semester undertake training. MPharm training	Professional Practice Experience	1-June-22	1-June-/2027
21	Saudi German Hospital (Ajman, Dubai and Sharjah)	MPharm training	Professional Practice Experience	26-Oct-22	1-Jun-/2025
22	Zulekha Hospital (Ajman, Dubai and Sharjah)	BPharm students in their last semester undertake training.	Professional Practice Experience	1-Nov-23	1-Nov-2026
23	Aster Pharmacy	Community Pharmacy Training for BPharm students.	Professional Practice Experience	22-May-24	21-May-25
24	Life Health Care Group LLC	BPharm, Second Year Community Pharmacy training	Professional Practice Experience	1-April- 2023	1-Jan- 2026
25	Apollo Clinic	Community outreach	Community Engagement Unit	3-Jul-23	Open contract
26	Global Healthcare activities	Research, Conference, CPD Talks	Dept of Pharmacy Practice	13-Jul-23	12-Jul-28
27	Institute Of Pharmaceutical Sciences, (Ips) University of Veterinary and	Research	Dept of pharmacy practice	01-Mar-21	28-Feb-26

	Animal Sciences (UVAS), Lahore, Pakistan.				
28	kLE College of Pharmacy, India	Faculty Exchange, Students Exchange, Research	DPCG	10-Jan-24	09-Jan-29
29	VELS Institute of Science, Technology and Advanced Studies (VISTAS) Chennai, Tamil Nadu, India	Faculty Exchange, Students Exchange, Research	DPCG	19-Feb-24	20-Feb-29

STUDENT EXPERIENCE	
International Pharmaceutical Student Federation (IPSF).	Students with the opportunity to explore numerous outreach activities, professional meetings, and student organization events.

4. DPCG Vision, Mission and Accreditation and Licensure

Vision

"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 DPCG one of the leading institutions for the Pharmacy education in the region."

Mission

"DPCG is committed to provide accredited pharmacy education at undergraduate and graduate level to female students based on Islamic values, advancement of pharmaceutical knowledge through research and community service in order to serve pharmacy profession, scientific community and public."

Accreditation and Licensure

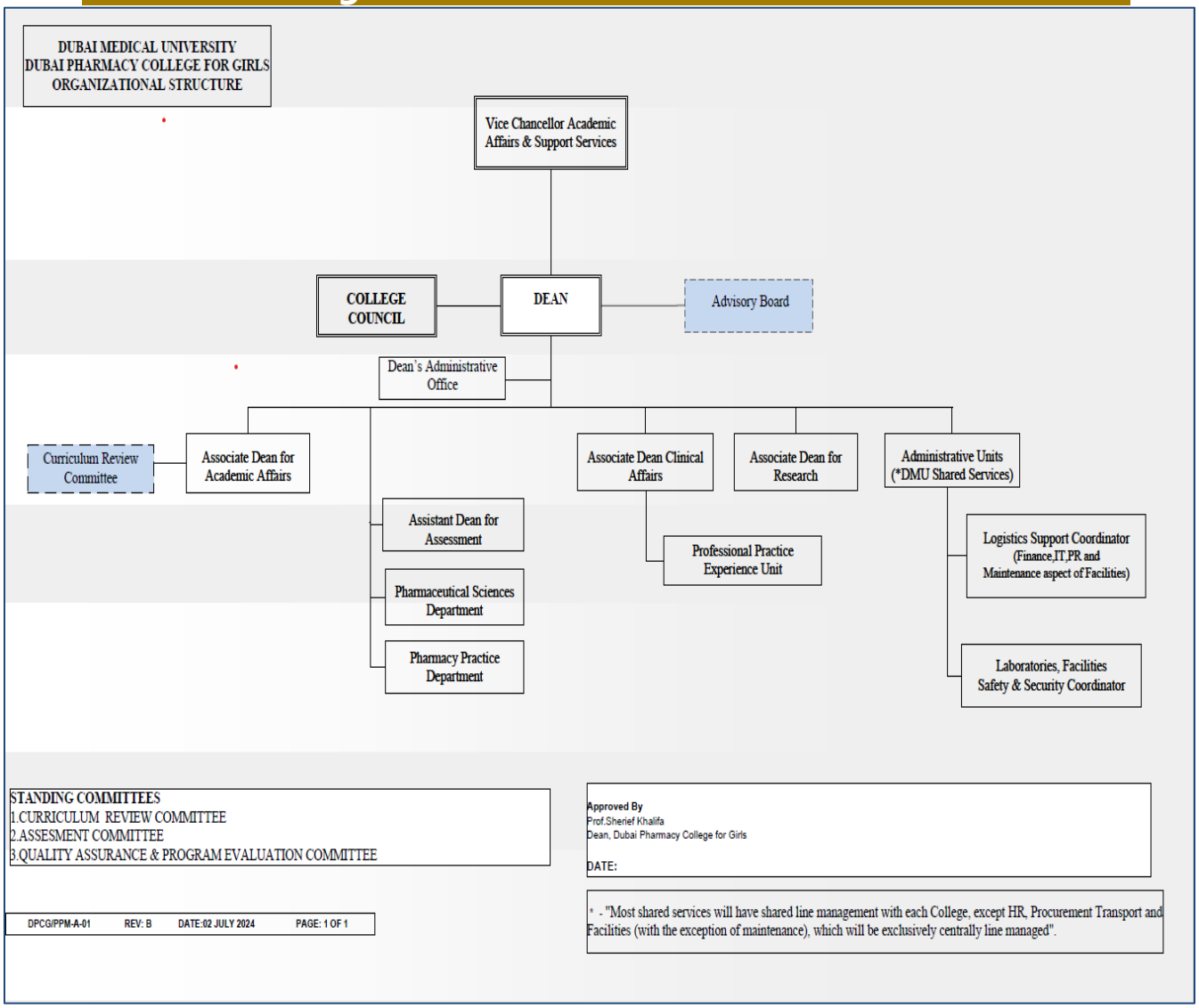
Dubai Pharmacy College for Girls offers the following programs:

I. Bachelor of Pharmacy
II. Master of Pharmacy - Clinical Pharmacy

All the programs at DPCG are accredited by the Commission for Academic Accreditation (CAA), Ministry of Education – Higher Education Affairs, UAE

No.	Accreditation	Dates
1	Institutional Relicensure	16 May 2023 to 4 May 2026
2	BPharm Renewal of Program Accreditation (RPA)	3 January 2024 to 31 January 2027
3	BPharm International Accreditation	31 January 2024 to 31 January 2028
4	MPharm Renewal of Program Accreditation (RPA)	31 January 2024 to 1 September 2027

5.Organizational Structure AY 2024-25



6. Program

INSTITUTION:	**Dubai Pharmacy College for Girls, Dubai, UAE**
DEGREE:	**Bachelor of Pharmacy**
LENGTH & MODE:	**Four and half academic years, Full time**
ACADEMIC PERIOD:	**Last Week of August to Second week of July**
MINIMUM REGISTRATION PERIOD:	**4.5 years**
MAXIMUM REGISTRATION PERIOD:	**7.5 years**
Chief Academic Officer:	**Prof. Naglaa Gamil Shehab**

7. Admission & Registration

General Information

DPCG 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 on their decision through their email and SMS. Early admission is granted to outstanding students as evidenced by their high school 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 undergraduate programs. Admission requirements to graduate studies are found in the Graduate Studies section. Admission Requirements: All applicants must satisfy the following basic admission requirements:

- Completion of secondary education or an equivalent level with the required average.
- The applicant should not have been dismissed from the DPCG or any other institution for academic or disciplinary reasons.
- Applicants should indicate their order of preference for program on the application form.
- Applicants are accepted in different colleges and programs according to the student's preference and the grade average and depending on the capacity of each college.
- 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).
- This application fee is non-refundable if the applicant is rejected or withdraws from the university.
- The applicants who are still in their high school seats will receive conditional admission until the final results are submitted, and fulfil the requirements based on competitive criteria.
- .8. A student will not be issued an ID or allowed to register for courses unless the admission file is complete, and the tuition fees are paid

B. Important General Notes:

- Students fill out the application form personally and are responsible for the accuracy of the information filled. Incomplete applications will not be considered.
- Students are responsible for completing all admission procedures by the specified deadlines, by the instructions of the Admissions Office as announced 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.DPCG.edu) to learn about the dates and locations of the admission exams, English proficiency requirements, and interviews as well as to see the status of their application.
- Admission is granted for the semester to which the student is applying. A student's admission will be -withdrawn if the student does not enrolenroll in the same semester as when the application has been submitted.
- The university does not take the original High School Certificates. Students are required to provide copies certified by the recognized 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 at least 12 years of schooling priorschool prior to joining DPCG.
- The applicant should have graduated from a school licensed and recognized by the Ministry of Education in the UAE, and must submit a certified copy of the secondary school certificates, with a grade script certified by the school and the Ministry of Education or the Education Zone in the UAE.
- An applicant who attended school outside the UAE should be a graduate of a school 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, or the British Council, 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.

C. DPCG General Admission Requirements:

Applicants to different programs of DPCG must submit the following:

- Attested High School Certificate and transcript (Grade 12 or Equivalent in each curriculum).
- Attested School certificate and transcript for Grade 10 and 11
- Equivalency Certificate from the Ministry of Education (MOE) for High School curriculums other than UAE system:
  https://www.moe.gov.ae/En/EServices/ServiceCard/pages/CertEquivalent.aspx
- 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

- Successfully passing the DPCG Admission Exam as per each program requirement. OR:
- EmSAT accepted scores per program in Mathematics EmSAT and two of the three science subjects (Chemistry, Biology or Physics)
- OR: For UAE, British or IB curriculum; applicants who successfully acquired the required score as per DPCG admission criteria outlined below can be exempted from The EMSAT and admission exam requirement.
- Successfully passing the interview per program requirements if applicable.

D. General Documents Required:

- Attested High School Certificate and transcript.
- Results of English proficiency requirements.
- EmSAT Results for Mathematics and any 2 science subjects if available
- Good conduct 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
- Payment of the application fee: AED 1000 plus AED 50 (5% VAT) - not refundable.

Holders of Certificates of Secondary Education or its Equivalent:

Students who hold a diploma from a recognized secondary school may be admitted to a desired undergraduate program within the limits of its capacity and according to the requirements **specified in the following table:**

E. Admission Requirements	• Successfully passing the BPharm Admission Exam (includes Biology, Chemistry, Physics and Mathematics) **OR** • EmSAT score of 800 in Mathematics EmSAT and two of the three science subjects (Chemistry, Biology or Physics) **OR** • For UAE, British or IB curriculum; applicants who successfully acquired the required score as per BPharm admission criteria outlined below can be exempted from The EMSAT and admission exam requirement. • Successfully completing the DMU Multiple Mini Interviews (MMI)
English Language Requirements	Applicant is required to submit one of the below: • Standardized English Examination: EmSAT– English with a minimum grade of 1100.

	• TOEFL iBT with minimum score 61 or CBT minimum score of 173 (Institutional TOEFL is not acceptable) • Academic IELTS with minimum Band 5
Admission Criteria Per Curriculum	**The UAE Curriculum** ▪ Applicant must achieve: Advanced Stream: minimum average 85% or Elite Stream: minimum average 80% in Grade 12 **The British Curriculum**: minimum grade of C or 5 in five O-Level subjects including Biology, Chemistry, Mathematics and English, **and** A minimum grade of D in two AS-Level subjects including Biology or Chemistry. **OR** A minimum grade of D in one A-level subject including Biology or Chemistry **The American Curriculum:** Applicants must pass successfully in Grade 12 with minimum average 85%. Applicants should take Biology and Chemistry in grades 10 or 11 or 12. Applicant has to complete SAT1 Mathematics with a minimum score of 450 or equivalent as per MOE Equivalency requirements **The International Baccalaureate Curriculum (IB Diploma):** ▪ Applicants must achieve a minimum of twenty-four points. ▪ Applicant must complete three science subjects including Biology and Chemistry ▪ Applicant must achieve four points in two high level subjects. **Indian Curriculum:** **CBSE:** ▪ Applicants must achieve in grade 12 equivalent to 85% in Advanced Track or 80% in Elite Track according to WES. **State Board:** ▪ Applicants must achieve in grade 12 equivalent to 85% in Advanced Track or 80% in Elite Track according to WES. **Pakistani Federal Board:** ▪ Applicants must achieve in grade 12 equivalent to 85% in Advanced Track or 80% in Elite Track according to WES. **Additional Information for Secondary School Qualifications Obtained Outside UAE:** Applicants with high school certificate obtained outside the UAE – other than the qualifications listed above, are required to submit an Educational Credential Evaluators (ECE) course-by-course evaluation when applying to evaluate the transcripts and have a standard GPA - http://www.ece.org ▪ The applicant should be a graduate from a school recognized by the official education authority in the country of study. ▪ Must meet the requirements for admission into university in the country of origin. ▪ The applicant must complete 12 years of education in school and provide proof thereof.

	▪ Certificates submitted need to be attested from: o Education Authority (Home Country) o Ministry of Foreign Affairs (Home Country). o Embassy of the United Arab Emirates or the Embassy of the Country in the UAE o Ministry of Foreign Affairs of the United Arab Emirates ▪ Applicants must submit Equivalency Certificate from Ministry of Education in UAE https://www.moe.gov.ae/en/eservices/servicecard/pages/certequivalent-out.aspx All applicants must pass the personal interview.

F. Interview Process

- Based on the CAA Standards 2019, applications **(UAE/ other countries/ Transfer students)** are initially screened by the Head of Enrolments and Records for completeness of requested information, adequacy of the applicant's course work, and grades. Other admission committee members then review each screened application about the applicant's characteristics and qualifications.
- Based on this initial screening, the most qualified applicants are then invited for the interview. The date of the interview for selection is decided by the admission committee. The interview will be conducted either face to face on the College campus or online. The admission committee will invite one or two faculty members to participate on the interview day as part of their job duties. Each applicant is interviewed by the admission committee members and a faculty member who actively teach in the pharmacy program. All faculty members involved in the interview process are informed before the interviews about the nature of the interview process, the expectations during the interviews, scoring rubrics, and the schedule of events by the admission committee chair. The interview will be scored using a rubric. Towards the end of the interview, the applicant is allowed to ask questions about various aspects of the program.
- Based on the interview results and considering other admission requirements, the admission committee then makes recommendations to the Dean regarding which students should be admitted to the BPharm program. Students are notified if they will be admitted, wait-listed, or denied admission by the Head of students' enrolment.

G. Conditional Admission

Eligible students who have pending documents qualify for conditional admission and are asked to sign an undertaking to provide all required documents before the end of the first semester of study. Failing to do so may result in the student being withdrawn from the program.

H. Conditions for provisional admission:

Attested High School certificates and transcripts for curriculums other than UAE Government (if final results are issued late for example British Curriculum)

UAE MOE Equivalency Certificate for curriculums other than UAE Government and international applicants.

I. Transfer Admission Policy

General transfer policies:

The following are the necessary stipulations for transfer to the DMU from other universities:

a. DMU accepts transfer of students from accredited colleges/universities with a comparable curriculum to that offered at the respective program. To be deemed eligible for a transfer the applicant's previous institution should be listed in the UAE institutions recorded in the National Register of Licensed HEIs, or other organizations in the UAE approved by the CAA, or recognized institutions of higher learning located outside the UAE. They must meet all the admission criteria and requirements as published for the year of application, and hence all transfer applicants will not be considered for conditional admission.

b) Applicants applying for transfer to DMU must complete 50% of the total number of teaching hours or courses required to complete a degree for undergraduate programs and 25% of the total number of teaching hours or courses required to complete a degree for graduate programs.

c) The applicant must provide a letter with the admission application to the admission task force of the University specifying the reason (s) for requesting transfer and the desired date / academic year of transfer.

d) Applicants are required to submit their transcripts for evaluation of transferable subjects/teaching hours from previous institutions.

e) Students must meet the English language proficiency requirements for the respective program as set by the Ministry of Education, UAE.

f) Applicant must be in good academic standing at his/her home institution, must hold a CGPA equal to or greater than 2.0 on a scale of 4.0 (overall C Grade or equivalent) for undergraduate applicants and 3.0 on a scale of 4.0 (overall B Grade or equivalent) for Graduate level course in the last completed year. No applicant who has been dismissed from any Health Science related program / University will be eligible for transfer to DMU.

g) For graduate programs the applicant must have earned a minimum grade of "B". 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.

h) All applicants must provide conduct certificates from the institute where they are/were currently enrolled.

i) Previous coursework deemed appropriate to the current course of study is evaluated for transfer into the University's program. Transferring previously completed courses can help avoid overlap of subjects to complete the program degree. Credit will not be granted twice for the same course taken at two different institutions.

j) All applicants should contact the Student Affairs Office to inquire about having their transcripts reviewed.

k) Before attending the University, the attested transcript from the previous college/university and attested High School Certificate and transcript (Grade 12 or Equivalent in each curriculum) should be submitted to the Student Affairs Office. All documents required for admission should also be submitted.

l) The applicant transferring from another accredited University/university may receive credit if they have attained a minimum grade of C (or equivalent) for an undergraduate degree and a minimum grade of B (or equivalent) for a graduate degree.
m) After reviewing the transfer request for eligibility by the Chair of Admission taskforce, the request is to be reviewed for the possibility of transfer of credit by the Associate Dean of Academic Affairs who will refer the request to the Curriculum Committee for each college. The final decision for approval of the transfer of credit will be made by the respective University Council as per the recommendation received from ADAA and the Curriculum Committee. This is to ensure that course outcomes are compared to DMU courses before recommending approval of transfer credit and the student will receive a Transfer Credit Grade (T) which is not included in the calculation of final percentage or Grade Point Average calculation.
n) No transfer credit will be given for clinical training unless it is completed in the UAE, and this would require waiver approval after review from CAA.
o) No Transfer credit will be given to the Thesis or Graduation project.
p) The deadline for receipt of transfer request for an academic year is the same deadline as the admission timeline for the program. If approved, the student joins at the beginning of the academic year. Transfer admission decisions will be notified to the applicants as per other admission timelines and criteria.
q) Before considering any application for transfer, the existence of capacity in the cohort should be considered

J. Articulation of Pharmacy Diploma graduates into Pharmacy and Nursing Bachelor programs:

- English Proficiency: Students must meet the English language proficiency standards set by the Ministry of Higher Education - Higher Education Affairs, UAE.
- Academic Qualifications: Students must have completed secondary school on the advanced track with a score of 60% or higher or General Track with a score of 60% or higher for BPharm Program
- Accredited Institution: Students must have graduated from an accredited program with a GPA of 2.0 or higher.
- Document Submission: Before attending the College, students must submit attested records from their previous Diploma Program and higher secondary school to the Head of Enrolment and Records.
- Admission Interview: Acceptance is contingent upon an interview with the admission committee.
- Transcript Evaluation: Applicants must submit their transcripts for evaluation of transferable subjects and teaching hours from previous Diploma Program.
- Placement: Based on course equivalency, and professional experience (if applicable) students will be placed in the first or second year of the program.

K. Advanced Standing:

DPCG may award advanced standing credit for certain academic work completed prior to enrollment at the University. This includes sufficiently high scores on some national/international secondary school examinations such as the College Board Advanced Placement (AP), International Baccalaureate (IB), and Advance "A" Level GCE (General Certificate of Education). This may make it possible for a student to complete the Bachelor's degree in less than the normal duration or take other courses.

Advanced Standing Credit may only be granted after the student has been fully admitted as a freshman to DMU. All students who would like to be considered for advanced standing credit must complete the Advanced Standing Credit Evaluation form at the Office of Admissions and provide

either the original score certificate or an official copy from the appropriate examining agency.
Each student will be evaluated on a case-by-case basis. All students must submit their request for advanced standing credit evaluations within the first semester of their freshman year at DMU.
Credits earned through "Advanced Standing" are considered "transfer credits".
No more than 6 credit hours of Credit by Examination may be included.

L. Recognition of Prior Learning (RPL)

Recognition of prior learning for the DMU programs will abide to CAA standard 2019 Annex 20 considering the following guidelines:

- All RPL applications are studied through a committee approved and headed by the ADAA.
- The DMU programs will accept credit transfer of up to 25% for post graduate programs and 50% for undergraduate programs.
- All RPL processes will be concluded prior to student enrollment.
- The evidence provided by the student seeking RPL credit must directly relate to the competency, unit, module, course, or qualification for which credit is sought.
- The evidence must show that the student has the knowledge, skill or competency for which recognition and credit is sought.
- The evidence must demonstrate that the student has achieved all the learning outcomes of the course/module/unit for which credit is sought. Partial recognition is not acceptable.
- The RPL process must be transparent, provide students with time and support to assemble sufficient evidence and complete an application, and be consistently applied for all students and across all programs, disciplines, units, courses, and competencies.
- Approval of RPL credit must occur prior to the student's enrollment in the program.
- No grades may be assigned for RPL credit granted, nor can RPL credit be used in the calculation of cumulative grade point average (CGPA).
- All RPL processes are followed by an assessment procedure including:
    - Direct observation of demonstrations of the skill or competence **(Challenge exam designed and approved by the Associate Dean Academic Affairs)**

    In addition to any of the following:
    - Examinations or tests that are used to assess the achievement of learning outcomes or qualifications of the program, modules, courses, or units.
    - A portfolio of evidence which includes documents such as qualification certificates, official transcripts of previous study, official job descriptions or statements of duties and responsibilities, letters of reference from employers detailing a student's relevant skills and experience, or samples or statements of work performed.
    - Reflective papers, journal articles or similar documents that relate past learning to the learning or competency outcomes of the course or qualification in which the student is enrolling.
    - Reviews of courses/units/modules taken at another provider, to demonstrate achievement of learning outcomes or qualifications 0f the provider's own programs,

modules, courses, or units.
- combinations of any of the above.

- The applicant may appeal the decision regarding awarding RPL credits within five working days of receipt of the decision.
- Response to the appeal will be issued within a maximum of ten working days of receipt of the appeal.
- The assessment process and appeal process will all be published on the website.

Recognition of Prior Learning (RPL) for Graduate Program

RPL cases will be evaluated on their own merits by the Graduate program Admission taskforce and Associate Dean of Research and Graduate Studies. With the expectation that the transfer of credits will be less or equal to 25% of the designated teaching hours in the program.

M.Add/Drop/Withdrawal from Courses

I. Add/Drop Period in the first two weeks of each semester, during which schedule changes can be made. A student may drop a course without academic penalty during the course drop period. In general, all students are required to take all the courses offered for their cohort unless progression decisions require a change in student registration or Transfer credit is granted. These changes need to be completed during the Add and Drop period. Students who drop out after 6 weeks from the start of the semester will be given a failing grade in registered courses. Students who drop out after 6 weeks from the start of the semester will be given a failing grade in registered courses. Add and drop of courses does not apply to DPCG core curriculum.

II.Withdrawal policy Undergraduate programs:

Withdrawal Policy

The policy deals with DPCG students who leave through the processes of withdrawal, leave of absence, dismissal, or discontinuation and who subsequently seek Re-enrollment to the University.

1. Withdrawal during the first year of university:
   a. If withdrawal is required by a student, a request for withdrawal is made and approved by the Deanship of Student Affairs, Associate Dean of Academic Affairs, and the Dean of the college.
   b. A student who withdraws in the first year of the college for other than health reasons and wishes to return, must reapply through the regular first year admissions process as if she were a new applicant and admission is not guaranteed.
   c. If the student withdraws because of illness during the first year, she will be allowed to apply for Re-enrollment through a valid medical certificate. Permission to reapply does not guarantee Re-enrollment.

2. Withdrawal after completion of the first year of the College

The drawal is made and approved by the Deanship of Student Affairs, Associate Dean of Academic Affairs, and the Dean of the college.

a. If such a student wants reenrollment, an application for reenrollment is made in writing to the Student Affairs Office. This application must be accompanied by the relevant supporting documents, such as letters from the applicant's physician(s), employer(s), etc.
b. Re-enrollment may be offered to a student in good standing who has completed one or more years of study. Good standing designates any student not subject to probation or disqualification. Permission to reapply does not guarantee reenrollment. Each re-enrollment will be considered on a case-by-case basis.
c. The student will be informed in writing by the college at the time of the withdrawal whether she will be permitted to re-enroll and under what circumstances.

N. Leave of Absence

a) Students may seek a leave of absence for a particular purpose, for a defined period of time 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 College 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.

Q.Returning Student Readmission Policy:

a. If returning to the first semester: Readmission form must be submitted on or before the start of the term.

b) If returning to the second semester: Readmission form must be submitted on or before the first week of the second semester of the same year.

R.Review of applications for re-enrollment:

a) Students returning from a *Leave of Absence* who have a tuition balance are subject to the rules regarding overdue tuition balances in place at that time. After one year, students will have to re-apply for admission.
b) Students' Leave of Absence that exceeds one calendar year from date of request will have their status changed to "Withdrawal."

A student who has withdrawn / deferred (but subsequently wishes to return to College) must apply for Re-enrollment in writing and submit the required information, as stipulated by the College at the time of withdrawal, to the Student Affairs Office.

The student affairs office in consultation with the Associate Dean of Academic Affairs/admission taskforce will review each student's written application for Re-enrolment considering the entire record and including any required supporting documents. The college may recommend:

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

or

- Denial of Re-enrolment.

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

S. Online Registration:

New applicants should follow the steps below to register online:

New applicants will be shortlisted and contacted. If you have any questions regarding the system, or should you encounter problems while using the system, call the College reception during office hours.

Registration Procedure:

Registration must be completed by the end of July of each year. Authority to extend this deadline is vested on the Dean.

The applicant should fill the online application form and attach the required documents with 300/- AED and then submit it to Dean's office.

8. Student Intake and Fee Structure

Program	Student Intake	Type of Fees	Amount (AED)	Remark
BPharm Program	Student intake will be limited to 50 students, not exceeding 60 students in total	Admission Application Fees	1000(Plus, VAT – 50 AED)	Non-refundable
		Seat Reservation Fees	AED 5,000	This is deducted from the annual tuition fees
		Annual Tuition Fees (Semester 1 to Semester 8)	45000 (Plus, VAT)	
		Annual Tuition Fees (Semester 9)	25000 (Plus, VAT – 1250 AED)	

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

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 for academic year 2024 – 2025 is as follows:

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

Transportation

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. The cost of Transport for the academic year 2024 – 2025 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	with fees instalments
Inside Dubai - (Muhaisnah, Mizhar, Mirdif, Rashidiya, Tawar, Qusais, Nahda) daily	AED 3000 per year	with fees instalments
Inside Dubai - (Bur Dubai / Jumeirah, etc….) daily	AED 4000 per year	with fees instalments

Outside Dubai – (Sharjah and Ajman) daily	AED 5000/-	with fees instalments
Daily trips	AED 30/-	On Daily basis

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@dpc.edu.

Cash / Cheques / Credit Card:

A. Financial aid/Scholarship

Dubai Pharmacy College for Girls as part of the Board of Trustees keen desire to attract outstanding girls' students is hereby decided as follows:

I. The following Scholarship Policy applies for First Year, Academic Year 24-25:

- New Students scoring high school percentage from 90% to 94.9%: a 10% discount applies on the 1st semester fees (applies for 10 students)
- New Students scoring high school percentage from 95% to 96.9%: a 20% discount applies on the 1st semester fees (applies for 10 students)
- New Students scoring high school percentage from 97% to 98.9%: a 30% discount applies on the 1st-semester fees (applies for 10 students)
- New Students scoring a high school percentage of 99%: a 40% discount applies on the 1st semester fees (applies for 5 students).

Note: these scholarships and financial aid are discounted from the yearly fees excluding the hostel and bus fees.

B. Refund Policy of Tuition Fees

Dubai Pharmacy College for Girls admits only a very limited number of students, so if any student after admission cancels her admission, then this will create a vacancy which could have been used by another qualified student. Therefore, the College will not refund the fees paid at the time of admission until and unless a valid reason as below is provided for cancellation of admission.

I. 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).

Refund requests 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.

The following are non-refundable:

- Visa fee
- Application fee
- Transport fee
- Seat Reservation fee.
- Full tuition fee in case of dismissal/suspension for disciplinary reasons

9 . Prospective Careers

Various avenues open to pharmacists in different areas of activity are as follows:

1) **Community Pharmacy (Retail Pharmacy)**
   - Dispensing of prescriptions after review
   - Selection of non-prescription drugs
   - Pharmaceutical care for certain diseases
   - Purchasing, storing and dealing with pharmaceutical products

2) **Hospital Pharmacy (Clinical Pharmacy – Pharmaceutical Care)**
   - Dispensing of prescriptions after review
   - Answering queries through the Drug Information Center
   - Therapeutic Drug Monitoring

- Dealing with intravenous admixtures
- Pharmaceutical Care (prevents drug interactions and adverse drug reactions, proper use of drug products, ensure compliance, discover and solve adverse drug reactions)
- Production of certain radioactive drug products
- Administration, purchasing and participating in the selection of drugs

3) Pharmaceutical Industry

- Synthesis and analysis of raw materials
- Extraction of active ingredients from medicinal herbs, and other natural products
- Production of pharmaceutical products
- Quality Control of pharmaceutical products
- Research and Development
- Marketing and promotion of drugs/Distribution of pharmaceutical products

4) Government Organizations (MOH & DHA)

- Control and auditing of community hospital pharmacies
- Drug Registration and Control
- Defence and Interior Ministry pharmacies
- ADR monitoring

5) Research and Development Centres

- Research on drugs in various research centers
- Research on medicinal herbs, natural products, biotechnology and genetic engineering
- Research on other areas of pharmaceutical sciences

6) Universities and Colleges

- Work as Demonstrators/Teaching Assistants
- Seek higher education to obtain Diploma, Masters and Ph. D. degree

7) Other Careers

- Medicinal Diagnostic Laboratories
- Pharmaceutical Consultation
- Marketing for Drug Products
- Nuclear Pharmacy and Forensic Pharmacy
- Insurance companies

10. BPharm Program

A.PROGRAM AIMS

- Produce pharmacists having knowledge, skills and competencies equivalent to local and International Standards of BPharm degree.
- Initiate research which will utilise locally available materials and data for possible use in pharmaceutical fields.
- Practice according to internationally accepted professional code of ethics.

B. PROGRAM OBJECTIVES

Program objectives of BPharm program is specifically aligned with the Level 7 of the Qualifications Framework for the UAE approved by The Board of the National Qualifications Authority (NQA) known as the QF Emirates.

1. Offer a highly motivated educational environment to provide the students with profound knowledge of various fundamental, pharmaceutical, and clinical sciences.
2. Develop the ability of the students to utilize the acquired knowledge to contribute productively to various fields of pharmaceutical and clinical settings.
3. Produce graduates with professional skills needed to ensure effective communication with health care members, patients and community following professional code of ethics.
4. Develop a highly competent, responsible, life-long learner pharmacist with the vision of continuous professional development.

BPharm Program Objectives mapping against Program Outcomes

Program objectives	Program outcomes										
	Knowledge				Skills			Competencies			
	A1	A2	A3	A4	B1	B2	B3	C1	C2	C3	C4
1. Offer a highly motivated educational environment to provide the students with profound knowledge of various fundamental, pharmaceutical and clinical sciences.	√	√	√	√							
2. Develop the ability of the students to utilize the acquired knowledge to contribute productively in various fields of pharmaceutical and clinical settings.					√		√				
3. Produce graduates with professional skills needed to ensure effective communication with health care members, patients and community following professional code of ethics.						√					
4. Develop a highly competent, responsible, life-long learner pharmacist with the vision of continuous professional development.								√	√	√	√

Program Learning Outcomes

PLO1. Develop and integrate the knowledge and understanding of the structural design of the drugs, their synthesis, quantitative and qualitative analysis, pharmacological activities, and toxicities to evaluate and explain drug action and solve therapeutic problems in the patient care process.

PLO2. Apply the knowledge of the basic concepts and techniques required to formulate different pharmaceutical and biotechnology-based products and implement quality control measures and tests to produce an effective and safe medicine.

PLO3. Integrate the knowledge of biomedical sciences, pharmacokinetics, pharmacodynamics & toxicological principles of the drugs to ensure the safety and efficacy of the medication to improve overall health and awareness.

PLO4. Demonstrate specialist and comprehensive knowledge required in providing specialized Clinical services needed in hospital and other clinical environments.

PLO5. Design educational strategies for prevention and intervention in disease management for individuals and communities to improve health and wellness.

PLO6. Communicate effectively orally and in writing and deploy a range of presentation techniques and strategies to present, explain and assess information within workplace settings.

PLO7. Identify problems, analyze, deploy and utilize pertinent information in clinical case discussion and evaluate the patient care process with an appropriate pharmaceutical care pan.

PLO8. Demonstrate the leadership ability to be innovative by using creative thinking and take responsibilities to function both independently and as a healthcare team member.

PLO9. Develop self-direction in problem-solving, decision-making, and critical thinking abilities for professional development and become independent lifelong learners.

PLO10. Exhibit Islamic behavior, moral and ethical attitudes consistent with the trust given to the profession by patients, other health care providers, and society.

PLO11. Practice Pharmaceutical Care Process in individualized and population-based care.

Mapping of PLOs-Competencies aligned with the QF*Emirates*

National Standards of Learning Outcomes for Bachelor level Program (QF Emirates- Level 7)	**Program Learning Outcomes**										
	1	2	3	4	5	6	7	8	9	10	11
Knowledge											
specialised factual and theoretical knowledge and an understanding of the boundaries in a field of work or discipline, encompassing a broad and coherent body of knowledge and concepts, with substantive depth	√	√									

in the underlying principles and theoretical concepts											
an understanding of allied knowledge and theories in related fields of work or disciplines and in the case of professional disciplines including related regulations, standards, codes, conventions	√	√									
understanding of critical approach to the creation and compilation of a systematic and coherent body of knowledge and concepts gained from a range of sources	√	√	√								
a comprehensive understanding of critical analysis, research systems and methods and evaluative	√	√	√	√							

problem-solving techniques											
familiarity with sources of current and new research and knowledge with integration of concepts from outside fields		√	√	√							
Skills											
technical, creative and analytical skills appropriate to solving specialised problems using evidentiary and procedural based processes in predictable and new contexts that include devising and sustaining arguments associated with a field of work or discipline					√	√	√				
evaluating, selecting and applying appropriate methods, procedures or techniques in processes of investigation towards identified solutions					√	√	√				
evaluating and implementing appropriate research tools and					√	√	√				

strategies associated with the field of work or discipline											
highly developed advanced communication and information technology skills to present, explain and/or critique complex and unpredictable matters					√	√	√				
Autonomy & responsibility											
Can take responsibility for developing innovative and advanced approaches to evaluating and managing complex and unpredictable work procedures and processes, resources or learning								√			
can manage technical, supervisory or design processes in unpredictable, unfamiliar and varying contexts								√			
can work creatively and/or effectively as an individual, in team leadership, managing								√			

contexts, across technical or professional activities											
can express an internalised, personal view, and accept responsibility to society at large and to socio-cultural norms and relationships								√			
Role in context											
Can function with full autonomy in technical and supervisory contexts and adopt para-professional roles with little guidance										√	√
Can take responsibility for the setting and achievement of group or individual outcomes and for the management and supervision of the work of others or self in the case of a specialisation in field of work or discipline										√	√
Can take responsibility for managing the professional development and direct										√	√

mentoring of individuals and groups											
Self-development											
can self-evaluate and take responsibility for contributing to professional practice, and undertake regular professional development and/or further learning									√		
can manage learning tasks independently and professionally, in complex and sometimes unfamiliar learning context									√		
Can contribute to and observe ethical standards									√		

D.The Program Learning Outcomes (PLOs) are aligned with the newly published UAE

Professional Pharmacy Graduates Competency Framework and the Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes. Thus, the PLOs of the BPharm program at Dubai Pharmacy College is aligned to produce practice-ready pharmacy professionals with national and international standards.

PLO	**Description**	**Graduate Competencies**
PLO1	Develop, integrate, and apply knowledge from the foundational sciences (i.e., pharmaceutical, biomedical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action and interactions, solve therapeutic problems, and advance population health and patient-centered care.	Learner **(Learner)**
PLO6&11	Provide patient-centered care as the pharmacotherapy expert to diverse patients using the best available evidence and resources, taking into consideration patients', their families, and their caregivers circumstances and beliefs.	Patient Centered Care **(Care Provider)**
PLO7&11	Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.	Medication Use Systems Management **(Manager)**
PLO3	Develop prevention, screening, intervention, and educational strategies for individuals and communities to maintain and improve health and wellness and to manage chronic diseases.	Health and Wellness Promotion **(Promoter)**
PLO6&7	Identify problems; explore and prioritize potential strategies and design, implement, and evaluate a viable solution.	Ethical decision Making and Problem Solving **(Problem Solver)**
PLO9	Educate all healthcare providers, patients, and general population by determining most effective and enduring way to impart knowledge and assess understanding.	Educator **(Educator)**
PLO6 &7	Assure that patients' best interests are represented and consider patient experience.	Patient Advocacy **(Advocate)**
PLO8&11	Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.	Inter & Intra Professional Collaboration **(Collaborator)**
PLO8&11	Recognize the social determinants of health and traditional compassion to avoid bias and inequities in access to quality care	Cultural Sensitivity **(Includer)**
PLO6	Effectively communicate orally and in written by identifying verbal and nonverbal ques when interacting with patients and healthcare providers.	Communication **(Communicator)**
PLO7	Perform precise calculations in pharmacy practice and interpretation of statistical data processing and evaluation.	Professional Statistics & calculations **(Calculator)**

PLO4 &9	Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.	Self-Awareness **(Self-Aware)**
PLO8	Demonstrate responsibility for creating and achieving shared goals, regardless of position, and able to effectively manage resources, information and participate in organizational planning	Leadership & Management **(Leader)**
PLO2 &5	Engage in innovative and entrepreneurial activities by using creative thinking to envision better and productive ways of accomplishing professional goals.	Creativity, Innovation and Entrepreneurship **(Innovator)**
PLO8 &10	Exhibit behaviors and values consistent with the trust given to the profession by patients, other healthcare providers, and society.	Professionalism and Ethical Practice **(Professional)**
PLO9	Engage in research and scholarly activities related to the healthcare and pharmaceutical practice.	Research & Scholarship **(Scholar)**

E. PROGRAM OUTCOMES Aligned with the Courses

QF Emirates Level 7	Program outcome: On successful completion of this program, the students will be able to:	Course Name	CAPE Educational Outcomes	Learning/ Teaching Methods and Strategies	Types/ Methods of assessment
Knowledge	**A1**. Develop and Integrate the knowledge and understanding of the structural design of the drugs, their synthesis, quantitative and qualitative analysis, pharmacological activities, and toxicities to evaluate and explain drug action and solve therapeutic problems in the patient care process.	-Pharmaceutical Organic Chemistry I -Pharmaceutical Organic Chemistry II -Medicinal Chemistry I -Medicinal Chemistry II -Medicinal Chemistry III -Instrumental Analysis -Pharmacology & Therapeutics-I,II,III ,IV, V -Clinical Toxicology - Elective courses: Area II -Mathematics and Statistics -English for Medical SciencesInnovat - Technology of Health and E Health	Learner	Lectures, Tutorials, Practical, Self-Directed Learning, Seminars, Problem Based Learning, Brainstorming, Kahoot, Flipped classroom	Written Examinations, MCQ, Practical Reports, Practical Exam Project Report, Poster, Quiz, Case discussion
	A2. Apply the knowledge of the basic concepts and techniques required to formulate different pharmaceutical and biotechnology-based products and implement quality control measures and tests to produce an effective and safe medicine.	-Instrumental Analysis Natural Medicines, Safety and Efficacy, -Introduction of Pharmacy -Pharmaceutics-I -Pharmaceutics-II - Pharmaceutical Technology -Pharmaceutical Biotechnology	-Learner - Innovator		
	A3. Integrate the knowledge of biomedical sciences, pharmacokinetics, pharmacodynamics & toxicological principles of the drugs to ensure the safety and efficacy of the medication to improve overall health and awareness.	- Natural Medicines, Safety and Efficacy -Alternative and Complementary medicine -Biochemistry -Microbiology & Immunology - Clinical Biochemistry -Anatomy and Physiology I -Anatomy and Physiology II -Pathology - Medicinal Chemistry I, II and III -Pharmacology & Therapeutics-I,II,III ,IV, V -Pharmaceutical Care -Clinical Toxicology -Biopharmaceutics and Pharmacokinetics -Applied Pharmacokinetics	-Life -long Learner -Promoter		

		-Pharmacogenomics & Precision Medicine -Research Methodology & Biostatistics -Hospital Pharmacy -Capstone course -Professional Skills in Practice Principles of Psychology -Green & Sustainable Pharmacy			
	A4. Demonstrate specialist and comprehensive knowledge required in providing specialized Clinical services needed in hospital and other clinical environments.	-Pharmaceutical Administration and Pharmacoeconomics -Pharmacology and Pharmacotherapeutics - I, II, III, IV & V -Pharmacy Automation & Informatics -Professional Skills in Pharmacy , -Pharmacy Practice -IPPE -APPE	-Self -aware		
Skills	**B1.** Design educational strategies for prevention and intervention in disease management for individuals and communities to improve health and wellness	-Alternative and Complementary medicine -Microbiology& Immunology -Pharmacology and Pharmacotherapeutics - I, II, III, IV & V -Pharmacoepidemiology & Pharmacovigilance, -Professional Skills in Pharmacy Practice -IPPE &APPE -Capstone course -Capstone Project -Principles of Psychology	-Developer -Innovator	Practical classes, Project Work, Workshops, Case studies, Computer Lab, Role play, Self-directed learning, Method demonstration**,** Field trip.	Oral, Scientific Poster, Symposium , OSCEs, practical evaluation, Case-based assessment, Project Report & Capstone Project, Article review, Self-learning assessment, Capstone course assessment, Project learning by doing
	B2. Communicate effectively orally and in writing and deploy a range of presentation techniques and strategies to present, explain and assess information within workplace settings.	-Pharmaceutical Organic Chemistry II, - Medicinal Chemistry I, II and III, -Instrumental Analysis -Natural Medicines, Safety and Efficacy - Introduction of Pharmacy -Pharmaceutics-I -Pharmaceutics-II -Pharmaceutical Biotechnology -Pharmaceutical Technology -Biopharmaceutics and Pharmacokinetics -Biochemistry -Clinical Biochemistry -Anatomy and Physiology I -Anatomy and Physiology II -Pathology -Pharmacy Practice -Pharmaceutical Care	-Communicator -Problem Solver and decision maker -Patient Advocate for safe and effective medication -Caregiver and provider &		

		-Research Methodology & Biostatistics -Capstone course -Professional Skills in Pharmacy Practice -IPPE &APPE -Capstone Project -Elective Courses Area I-IV English for Medical Sciences - Technology of Health and E Health - Arabic Studies	medication expert			
	B3. Identify problems, analyze, deploy and utilize pertinent information in clinical case discussion and evaluate the patient care process with an appropriate pharmaceutical care pan.	-Applied Pharmacokinetics -Pharmacy Practice -Pharmaceutical Care -Natural Medicines, Safety and Efficacy -IPPE &APPE -Pharmacology and Therapeutics- I, II, III, IV & V -Professional Skills in Pharmacy Practice -Hospital Pharmacy -Pharmacoepidemiology & Pharmacovigilance -Calculations in Practice -Clinical Toxicology -Research Methodology and Biostatistics -Capstone course - Capstone Project -Mathematics and Statistics	-Problem Solver and decision maker -Patient Advocate for safe and effective medication -Caregiver and provider & medication expert			
Aspect in Competence	**C1. (Autonomy and Responsibility)** Demonstrate the leadership ability to be innovative by using creative thinking and take responsibilities to function both independently and as a healthcare team member.	-Pharmaceutics-I -Pharmaceutics-II -Pharmaceutical Biotechnology -Pharmaceutical Technology -Natural Medicines, Safety and Efficacy -Alternative and Complementary medicine -Pharmacy Practice -Pharmaceutical Care -Professional Skills in Practice -Hospital Pharmacy -Pharmaceutical Administration and Pharmacoeconomics Pharmacy Automation &Informatics -Pharmacoepidemiology & Pharmacovigilance -Research Methodology and Biostatistics -Capstone course	-Leader - Healthcare provider - Interprofessional collaborator -Innovator	Prescription evaluation, PBL, Workshops, Role play, Case studies, Presentation, IPPE, APPE, INT.	**Direct** PPE evaluation and exam, OSCEs, Calculations in Practice exam, Presentation, Capstone course evaluation, Capstone Project	**Indirect** **Course Level:** Couse evaluation by IE. 2. Test blueprints. 3.Create a link in LMS for the evaluation of the course. 4. Evaluate the number of

		-Medicinal Chemistry I, II & III -Instrumental Analysis -Pharmacology and therapeutics I, II, III,IV and V -Pharmacogenomics & Precision Medicine -IPPE and APPE -Creativity, Innovation and Entrepreneurship			evaluation, Oral presentation, Presentation assessments,	students hours spent on learning 5. Evaluate the number of students hours spent on homework 6. Focus group interview. 7.Plagiarism report 7.Number of prizes won in DUPHAT 8.Number of Cheating cases in Exams 9.Number of students participating in DUPHAT
	C2.(Self Development) Develop self-direction in problem-solving, decision-making, and critical thinking abilities for professional development and become independent lifelong learners.	- Medicinal Chemistry I, II & III -Pharmaceutics-I -Pharmaceutics-II -Pharmaceutical Biotechnology -Pharmaceutical Technology -Biopharmaceutics and Pharmacokinetics -Research Methodology and Biostatistics -Capstone course -Professional Skills in Pharmacy Practice - -IPPE & APPE -Capstone project Elective Courses Area III & IV -English for Medical Sciences -Islamic Studies -Creativity, Innovation and Entrepreneurship	-Problem solver -Lifelong learner, -Educator and Health and wellness -Promoter, -Self-aware			
	C3. (Role in Context) Exhibit Islamic behavior, moral and ethical attitudes consistent with the trust given to the profession by patients, other health care providers, and society. **C4.** Practice Pharmaceutical Care Process in individualized and population-based care.	-Introduction of Pharmacy -Pharmacy Practice -Pharmacology and Therapeutics- I,II, III, IV& V -Professional Skills in Practice -Research Methodology & Biostatistics -Pharmacy Laws and Drug Regulations -Pharmacoepidemiology & Pharmacovigilance -Clinical Toxicology -Research Methodology and Biostatistics -Capstone course -Professional Skills in Pharmacy Practice	-Professional and ethical -Provider			**<u>Program Level:</u>** 1.Employer or alumni surveys 2.Student perception surveys 3.Job placement ratio. 4.Graduates completion rate 5.Annual reports

		-IPPE & APPE -Elective courses: Area I -Islamic Studies -History of Pharmacy -UAE Society				including benchmarks with national and international institution. 6. Preceptors' satisfaction survey 7. Faculty-External examiner satisfaction survey 8. Number of students participating in DUPHAT 9.Number of prizes won in DUPHAT. 10. Disciplinary Reports. 11.Graduate destination survey results questionnaire 12. Number of Cheating cases in Exams

Graduate Competencies

List of the expected competencies for graduates of the Bachelor of Pharmacy Program

The Bachelor of Pharmacy (B. Pharm) Program in Dubai Pharmacy College for Girls has adapted the new UAE Pharmacy competencies released by the Commission of Academic Accreditation (CAA), Ministry of Education - Higher Education Affairs, UAE.

The new program in DPCG encompasses with different disciplines of pharmaceutical sciences and clinical sciences. This program provides students with a concrete base of pharmacy knowledge, skills and competencies which make them capable of work in different clinical settings of pharmacy field.

Students graduating from B. Pharm program should be able to ascertain following competencies:

S. No	Graduate Competencies	Description	Course Name	Learning/ Teaching Methods and Strategies	Types/ Methods of assessment	
					Direct	Indirect
1.	Learner **(Learner)**	Develop, integrate, and apply knowledge from the foundational sciences (i.e., pharmaceutical, biomedical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action and interactions, solve therapeutic problems, and advance population health and patient-centered care.	Alternative and Complementary medicine Natural Medicines, Safety and Efficacy, Pharmaceutical Organic Chemistry I & II Medicinal Chemistry I, II & III Instrumental Analysis Pharmacology and Therapeutics I, II, III, IV & V.	Lectures, Tutorials, Practical, Self-Directed Learning, Problem Based Learning, Brainstorming, Kahoot, Case discussions, microlearning, Flipped classroom Role play	Short answer questions; Essay type questions, Multiple Choice questions. Seminar Presentation. Poster, small group presentation Project learning by doing	Student Portfolio Self-reflection of competencies achievement. Couse evaluation by IE. Analysis of course work including report, presentation, poster…etc Faculty-External examiner satisfaction survey

			Microbiology & immunology; Pharmaceutical Biotechnology, History of Pharmacy, Introduction to pharmacy, Pharmaceutics II, Biopharmaceutics and Pharmacokinetics. Social and behavior aspects in pharmacy. Clinical Toxicology. Pharmaceutical Technology, Pharmaceutics I, GMP, Anatomy and Physiology I &II Biochemistry Clinical Biochemistry Pathology Elective Courses Area I-IV English for Medical Sciences - Technology of Health and E Health -Principles of Psychology -Islamic Studies			

			-History of Pharmacy -UAE Society			
2.	Patient Centered Care **(Care Provider)**	Provide patient-centered care as the pharmacotherapy expert to diverse patients using the best available evidence and resources, taking into consideration patients', their families, and their caregivers circumstances and beliefs.	Alternative and Complementary medicine Natural Medicines, Safety and Efficacy Medicinal Chemistry I, II & III Pharmacology and Therapeutics I, II, III, IV & V. Pharmaceutical care Professional Skills in Pharmacy Practice IPPE 01, 02 APPE Social and behavior aspects in pharmacy, Pharmacogenomics; Clinical Toxicology Capstone course Clinical Biochemistry Principles of Psychology	Lectures, Tutorials, Practical, Self-Directed Learning, Problem Based Learning, Case discussions, Brainstorming, Kahoot, Demonstration, Portfolio, Experiential Education Role play	Short answer questions; Essay type questions, Multiple Choice questions. Capstone course assessment Case presentation assessment OSCE APPE-Competency evaluation form Project learning by doing, Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement. Couse evaluation by IE. Preceptors' satisfaction survey

3.	Medication Use Systems Management **(Manager)**	Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.	Natural Medicines, Safety and Efficacy IPPE 01, 02 APPE Pharmacogenomics, Pharmaceutical Biotechnology; Clinical Toxicology, Pharmaceutical Technology. Hospital Pharmacy Pharmacy Automation and Informatics Pharmacoepidemiology & Pharmacovigilance Pharmacy practice -Green & Sustainable Pharmacy	Lectures, Tutorials, Practical, Self-Directed Learning, Problem Based Learning, Brainstorming, Kahoot, Experiential Education Field trip.	Short answer questions; Essay type questions, Multiple Choice questions. Seminar Presentation. IPPE 02 APPE-Competency evaluation form Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement. Couse evaluation by IE. Preceptors' satisfaction survey
4.	Health and Wellness Promotion **(Promoter)**	Develop prevention, screening, intervention, and educational strategies for individuals and communities to maintain and improve health and wellness and to manage chronic diseases.	Professional Skills in Practice. Pharmacology and Therapeutics I, II, III, IV & V. IPPE 01, 02 APPE Biopharmaceutics and Pharmacokinetics. Social and behavior aspects in pharmacy;	Lectures, Practical, Problem Based Learning, Case presentations, Self-Directed learning, Experiential Education Role play	IPPE 01 APPE-Competency evaluation form Presentation evaluation OSCE, Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement Preceptors' satisfaction survey Health awareness campaigns

			Clinical Toxicology, Pharmacy practice			
5.	Ethical decision Making and Problem Solving **(Problem Solver)**	Identify problems; explore and prioritize potential strategies and design, implement, and evaluate a viable solution.	Natural Medicines, Safety and Efficacy Capstone course- Professional Skills in Pharmacy Practice, Pharmacology and Therapeutics I, II, III, IV & V. IPPE 01, 02 APPE Clinical Toxicology Capstone course Pharmacy Law Pharmacy Automation and Informatics Pharmacy practice -Creativity, Innovation and Entrepreneurship	Lectures, Tutorials, Practical, Self-Directed Learning, Problem Based Learning, Brainstorming, Kahoot, Demonstration, Portfolio, Experiential Education Case study Role play	Capstone course-assessment, PBL assessment OSCE APPE-Competency evaluation form Project Report, Preceptors' evaluation	Student Portfolio Self-reflection of competencies achievement Preceptors' satisfaction survey
6.	Educator **(Educator)**	Educate all healthcare providers, patients, and general population by determining most effective and enduring way to impart knowledge and assess understanding.	Professional Skills in Pharmacy Practice, Pharmacology and Therapeutics I, II, III, IV & V. IPPE 01, 02 APPE Clinical Toxicology	Demonstration, Portfolio, Experiential Education Lectures, Practical, Problem Based Learning, Case presentations, Self-Directed learning, Role play	OSCE APPE-Mid and end Competency evaluation form, Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement Preceptors' satisfaction survey Health awareness campaigns

			Pharmacoepidemiology & Pharmacovigilance Pharmacy practice English for Medical Sciences - Arabic Studies			Employer or alumni surveys
7.	Patient Advocacy **(Advocate)**	Assure that patients' best interests are represented and consider patient experience.	Professional Skills in Pharmacy Practice, Pharmaceutical care IPPE 01, O2 APPE	Demonstrations, Case presentations, Portfolio, Experiential Education Role play	OSCE APPE- Competency evaluation form, Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement, Health awareness campaigns
8.	Inter & Intra Professional Collaboration **(Collaborator)**	Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.	Professional Skills in Pharmacy Practice, Pharmaceutical care IPPE 01, 02, INT APPE Social and behavior aspects in pharmacy.	Case presentations, Demonstration, Portfolio, Experiential Education Role play	OSCE APPE- Competency evaluation form Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement Number of students participating in IPSF, Health awareness campaigns
9.	Cultural Sensitivity **(Includer)**	Recognize the social determinants of health and traditional compassion to avoid bias and inequities in access to quality care	Professional Skills in Practice, Pharmacy Practice, IPPE 01, 02 APPE	Demonstration, Portfolio, Experiential Education Role play	OSCE APPE- Competency evaluation form Preceptors' evaluation	Student Portfolio Self reflection of competencies achievement

			Social and behavior aspects in pharmacy. Pharmaceutical Care Elective courses: Area I Islamic Studies			
10.	Communication **(Communicator)**	Effectively communicate orally and in written by identifying verbal and nonverbal ques when interacting with patients and healthcare providers.	Alternative and Complementary medicine Natural Medicines, Safety and Efficacy Professional Skills in Pharmacy Practice, IPPE 01, 02 APPE Social and behavior aspects in pharmacy, Capstone course Capstone project Elective courses: Area I English for Medical Sciences - Technology of Health and E Health - Arabic Studies	Practical, Self-Directed Learning, Problem Based Learning, Seminar Presentations, Kahoot, Experiential Education Role play	OSCE APPE-Competency evaluation form Oral Exam, Oral presentation evaluation, Questions and answers during the lectures or labs. Preceptors' evaluation Capstone project evaluation forms Project Report,	Student Portfolio Self reflection of competencies achievement External examiner evaluation External evaluator in conferences
11.	Professional Statistics & calculations **(Calculator)**	Perform precise calculations in pharmacy practice and interpretation of statistical data processing and evaluation.	Research Methodology and Biostatistics Capstone Project,	Lectures, Tutorials, Practical,	Short answer questions; Essay type questions,	External examiner evaluation

			Mathematics and Statistics. Calculation in practice	Problem Based Learning, Demonstration,	Multiple Choice questions. Capstone project evaluation forms	
12.	Self-Awareness **(Self-Aware)**	Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.	Professional Skills in Pharmacy Practice, Pharmaceutical care IPPE 01, 02 APPE Social and behavior aspects in pharmacy. INT Principles of Psychology	Seminar Presentations, Demonstration, Portfolio, Experiential Education	Seminar presentations assessment , Case presentations evaluation, mid and end competencies Preceptor Evaluation,	Student Portfolio Self reflection of competencies achievement
13.	Leadership & Management **(Leader)**	Demonstrate responsibility for creating and achieving shared goals, regardless of position, and able to effectively manage resources, information and participate in organizational planning	IPPE 01, 02 APPE , INT Pharmacy administration and Pharmacoeconomics Pharmacoepidemiology & Pharmacovigilance	Workshop presentations, Demonstration, Portfolio, Experiential Education	presentations assessment, Case presentations evaluation, mid and end competencies Preceptor Evaluation,	Student Portfolio Self reflection of competencies achievement Extracurricular activities by IPSF
14.	Creativity, Innovation and Entrepreneurship **(Innovator)**	Engage in innovative and entrepreneurial activities by using creative thinking to envision better and productive ways of accomplishing professional goals.	Research Methodology and Biostatistics Pharmacy administration and Pharmacoeconomics	Workshop Presentations, Demonstration, Portfolio, Experiential Education Workshop	Capstone project evaluation forms presentations assessment, Case presentations evaluation	Student Portfolio Self reflection of competencies achievement

			Capstone Project IPPE01,02 Pharmaceutics II, Pharmaceutical Technology -Creativity, Innovation and Entrepreneurship	Certified course	Preceptor Evaluation,	
15.	Professionalism and Ethical Practice **(Professional)**	Exhibit behaviors and values consistent with the trust given to the profession by patients, other healthcare providers, and society.	Professional Skills in Pharmacy Practice, Pharmaceutical care IPPE 01, 02 APPE Social and behavior aspects in pharmacy. Islamic Studies	Workshop Presentations, Demonstration, Portfolio, Experiential Education Role play	OSCE APPE-Competency evaluation form presentations evaluation, Case presentations evaluation, Preceptor Evaluation,	Student Portfolio Self reflection of competencies achievement Plagiarism Cheating in exam
16.	Research & Scholarship **(Scholar)**	Engage in research and scholarly activities related to the healthcare and pharmaceutical practice.	Research Methodology and Biostatistics Capstone Project IPPE 01, 02 APPE Pharmacy practice	Experiential Education Capstone Project evaluation	No. of student publications from Capstone project. No. of students in conference presentation.	Student perception surveys Employer or alumni surveys No. of winner in DUPHAT

11. Study Plan for the BPharm Program

A. Study Plan

Dubai Pharmacy College for Girls accepts only female students with General Secondary School Certificate or its equivalent with science subjects (Physics, Chemistry, Biology, or Mathematics) for admission to Bachelor of Pharmacy degree program. The BPharm curriculum requires a minimum of 160 hours.

Dubai Pharmacy College for Girls grants its students, after successful completion, Bachelor's Degree in Pharmacy (B. Pharm.). The total program of Dubai Pharmacy College for Girls extends over four and half academic years and the maximum course duration to complete the degree within a reasonable time frame of seven and half years.

The academic year starts in Last week of August and ends in the Second week of July.

- Each academic year is divided into 3 semesters.
- The fall and spring semesters are composed of seventeen weeks of which 15 weeks devoted to teaching.
- Summer semester is composed of minimum 6 weeks in which maximum 3 subjects only will be delivered
- Each week has five teaching days which accounts for 32 teaching hours in a week.
- Advanced Professional Practice Experience to be provided in the last semester (fall semester of fifth year).

	No. of Courses	Credit Hours	%
Elective Courses	4	8	5 %
General Education Requirements	10	21	13.1%
Core Requirement	39	104	65.0%
Industrial training	1	1	0.6%
Introductory Professional Practice Experience (IPPE001 & 2) and Professional Practice Experience	3	24	15.0%
Capstone Project (CS)	1	2	1.3%
Total	**57**	**160**	**100%**

Domain	No. courses	Credit Hours	%
PS-Pharmaceutical Science	11.5	34	32.7%
CS-Clinical Science	22.5	57	54.8%
BBS-Basic Biomedical Sciences	5	13	12.5%
Total	**39**	**104**	**100%**

Year	Semester	Cours Code	Course Name	CH	Pre-requisites	Co-requisites	Domain
Year One	**Semester 1**	PN701	Pharmaceutical Organic Chemistry- I	2			PS
		MC701	Anatomy and Physiology- I	2			BBS
		GE701	Mathematics and Statistics	2			GE
		GER02	English for Medical Sciences	2			GE
		GE706	Principles of Psychology	2			GE
		GER01	Arabic Studies	2			GE
		GE705	History of Pharmacy	1			GE
		PC701	Introduction to Pharmacy	1			PS
			Semester Credit Hours	**14**			
	Semester 2	PN702	Pharmaceutical Organic Chemistry- II	3			PS
		GER06	Technology in Health and E health	2			GE
		GE707	Green & Sustainable Pharmacy	2			GE
		PC702	Pharmaceutics-I	4			PS
		MC702	Anatomy and Physiology-II	3			BBS
		GER03	Islamic Studies	2			GE
			Semester Credit Hours	**16**			
Year Two	**Semester 1**	CP702	Pharmacology and Therapeutics -I	4	MC701, MC702		CS
		PN703	Medicinal Chemistry –I	3	PN702		PS
		MC703	Biochemistry	2	MC702		BBS
		MC704	Microbiology and Immunology	4	-		BBS
		PC703	Pharmaceutics-II	4	PC701, PC702		PS
			Semester Credit Hours	**17**			
	Semester 2	PN704	Medicinal Chemistry –II	3	PN702		PS
		PC704	Biopharmaceutics and Pharmacokinetic	3	PC701, PC702		PS
		CP703	Clinical Biochemistry	3	MC703		CS
		CP704	Pharmacology and Therapeutics-II	3	CP702		CS
		CP705	Pharmacy Practice	3	PC701		CS
		MC705	Pathology	2	MC701, MC702		BBS
	Semester 3		**Semester Credit Hours**	**17**			
		IPPE-01	Introductory Professional	5			CS

			Practice Experience				
			Semester Credit Hours	**5**			
Year Three	**Semester 1**	PN705	Medicinal Chemistry-III	3	PN704, MC704		PS
		PC705	Pharmaceutical Technology	3	PC703		PS
		PC706	Pharmaceutical Biotechnology	2	-		PS
		CP706	Pharmacology and Therapeutics- III	4	CP702		CS
		CP707	Applied Pharmacokinetics	2	PC704		CS
		CP708	Alternative and Complementary Medicines	2	CP702, CP705		CS
		CP709	Research Methodology and Biostatistics	2	GE701, GE702, GE703		CS
			Semester Credit Hours	**18**			
	Semester 2	PN706	Instrumental Analysis	3	-		PS
		CP710	Pharmaceutical Care	2	CP701, CP702		CS
		CP711	Pharmacology and Therapeutics- IV	3	CP702		CS
		CP712	Pharmacogenomics & Precision Medicine	3	-		CS
		CP713	Hospital Pharmacy	3	-		CS
		EC7011 / EC7012	Elective Area I	2	-		EC
		EC7021 /EC7022	Elective Area II	2	-		EC
			Semester Credit Hours	**18**			
	Semester 3	IPPE-02	Introductory Professional Practice Experience-Health care setting	3			CS
		(INTR)	Industrial Training	1			PS
			Semester Credit Hours	**4**			
Year Four	**Semester 1**	CP714	Pharmacy Laws and Drug Regulations	1	CP713		CS
		CP715	Pharmacoepidemiology & Pharmacovigilance	2	CP710		CS
		CP716	Clinical Toxicology	2	CP702		CS
		CP717	Pharmacology and	3	-		CS

			Therapeutics- V				
		CP718	Natural Medicines Safety and Efficacy	4	GE708		CS
		EC7031 /EC7032	Elective Area III	2	-		EC
		GER04	UAE Society	3	-		GE
			Semester Credit Hours	**17**			
	Semester 2	CP719	Pharmaceutical Administration and Pharmacoeconomics	2	CP713		CS
		CP720	Pharmacy Automation & Informatics	2	-		CS
		CP721	Professional Skills in Practice	3	CP710, CP713		CS
		CP722	Capstone course	2	CP702, CP704, CP706, CP708, CP710, CP711		CS
		CP723	Calculations in Practice	2	PC701, PC702, CP709		CS
		CS701	Capstone Project	2	-		CS/PS
		GER05	Creativity, Creativity, Innovation and Entrepreneurship, 3 cr)	3	-		GE
		EC7041 /EC7042	Elective area IV	2	-		EC
			Semester Credit Hours	**18**			
			Summer Electives				
Year Five	**Semester 1**	APPE	Advanced Professional Practice Experience	16			CS
			Semester Credit Hours	**16**			

B. Courses of Study in the BPharm program

General Education (GE)	**21**	**Pharmaceutical Sciences (PS)**	34
Mathematics and Statistics	2	Pharmaceutical Organic Chemistry- I	2
English for Medical Sciences	2	Pharmaceutical Organic Chemistry- II	3
		Medicinal Chemistry –I	3

Islamic study	2	Pharmaceutics- I	4
Principles of Psychology	2	Medicinal Chemistry –II	3
Technology of Health and E Health	2	Pharmaceutics-II	4
History of Pharmacy	1	Medicinal Chemistry-III	3
Arabic Studies	2	Instrumental Analysis	3
Green & Sustainable Pharmacy	2	Pharmaceutical Biotechnology	2
UAE Society	3	Biopharmaceutics and Pharmacokinetic	3
Creativity, Innovation and Entrepreneurship	3	Pharmaceutical Technology	3
Basic Biomedical Sciences (BBS)	**13**	Introduction to Pharmacy	1
Anatomy and Physiology- I	2	**Clinical Sciences (CS)**	57
Anatomy and Physiology –II	3	Clinical Biochemistry	3
Biochemistry	2		
Pathology	2	Pharmacology and Therapeutics- I	4
Microbiology and Immunology	4	Pharmacology and Therapeutics-II	3
Professional Practice Experience (PPE)	**25**	Alternative and Complementary Medicines	2
Introductory Professional Practice Experience (IPPE-01&IPPE-02	8	Pharmacology and Therapeutics- III	4
Industrial Training (INTR)	1	Pharmaceutical Care	2
Advanced Professional Practice Experience (APPE)	16	Pharmacy Practice	3
Electives (EC)*	**8**	Clinical Toxicology	2
Elective (choose from Area-I)	2	Applied Pharmacokinetics	2
Elective (choose from Area-II)	2	Natural Medicines Safety and Efficacy	4
Elective (choose from Area-III)	2	Pharmacology and Therapeutics- IV	3
Elective (choose from Area-IV)	2	Pharmacogenomics & Precision Medicine	3
Area I		Research Methodology &Biostatistics	2
EC7011 -Organizational Behavior and Cultural Diversity		Professional Skills in Practice	3
EC7012- Emotional Intelligence and Leadership		Hospital Pharmacy	3
Area II		Pharmacy Laws and Drug Regulations	1
EC7021 - Nuclear Pharmacy		Pharmacoepidemiology &Pharmacovigilance Pharmacology	2
EC7022 -Pharmacognosy and Phytochemistry		Pharmacology and Therapeutics-V	3
Area III		Pharmaceutical Administration and Pharmacoeconomics	2
EC7031 -Regulatory affairs		Pharmacy Automation & Informatics	2
EC7032 - Pharmaceuticals GMP		Capstone course	2
Area IV		Calculation in Practice	2
EC7041 -Nutrition and Health		**Capstone Project (CS)**	**2**
EC7042 - Bioassay and Screening in Drug Development		Capstone Project (CS)	2

12. Course Description

GENERAL EDUCATION

Mathematics and Statistics	Course Code: GE701	Credit Hours: 2+0
The course will introduce basic mathematical concepts and calculations required for the subsequent studies of pharmaceutical and clinical calculations. The course includes introduction of critical mathematical concepts through the development of mathematical techniques such as measurement systems and logarithms. Students will be equipped with the skills needed to apply mathematical techniques correctly. Moreover, statistical concepts will be introduced helping students to understand statistical concepts such as collection of data, data types, analysis of data and sampling techniques.		
English for Medical Sciences	**Course Code: GER02**	**Credit Hours: 2**
The course "English for Medical Science" has been allotted 2 credit hours and is to be delivered over 16 weeks. This course contains medical terminology. The medical terminology section will orient students to the concepts of building medical terms using suffixes and prefixes thereby enabling them to infer meaning of medical terms. This course is offered through interactive lectures (L), Tutorials (TUT), Practical (PR), Small Group discussion (SGD), and Clinical Presentation (CP). The students are assessed by continuous assessment, assignments, quizzes and final summative examination.		
Technology of Health and E Health	**Course Code: GER06**	**Credit Hours: 0+2**
The course 'Technology in Health and E Health' has been allotted 2 credit hours which will be covered over 16 weeks. Before commencing the course, the students should have basic computer skills and English proficiency. This course is designed to provide students with basic information about digital learning and health informatics, and to equip them with the essential skills required as healthcare professionals. The course covers digital innovations and the role of Artificial Intelligence (AI) in healthcare education and training. It also explores the evolution of digital learning education and the web and debates their role in contemporary healthcare education and training. It explores the breadth of technology application, current and emerging trends and showcases both local and international e-health practice and research. The course will stimulate the students to evaluate how e-health can improve the coordination and efficiency of healthcare, and what the barriers might be. The course teaching modalities include Lectures(L), tutorials (TUT), project work (PW), small group discussion (SGD) and student led seminar (SLS). The assessment modalities include quizzes, group project presentations and a written report, midterm and final exams.		
Islamic Studies	**Course Code: GER03**	**Credit Hours: 2+0**
The course "Islamic Studies" has been allotted 2 credit hours which will be covered over 16 weeks. This goal of this course is to provide students with an in-depth explanation of oneness of Allah, and the role played by Muslim Scientists in Civilization. This course also discusses the application of selected hadith to inculcate good moral values. The teaching modality includes lectures (L), tutorials (TUT), Field Visit (FV), Small Group Discussion (SGD) and student led seminars (SLS). Students will be assessed by in-class assessments, student assignments, and knowledge-based exams.		
History of Pharmacy	**Course Code: GE705**	**Credit Hours: 1+0**
This course introduces the student to the profession of pharmacy and the role of the pharmacist within health care delivery systems, it gives a preview of the history of pharmacy and the different historical Eras, the important contributions of the ancient people and cultures to the evolution of the profession. Also, it describes the legislative, ethical, and professional standards in which the profession of pharmacy operates.		
Principles of Psychology	**Course Code: GE706**	**Credit Hours: 2+0**
The proposed course aims at enriching the students regarding a positive aspect of human nature. Principles of Psychology concentrating on optimal human functioning what makes people happier, more productive, and more successful, and relationship between psychological wellbeing and an able to Build happiness through Increase positive emotions, Develop More Resilience of Being Prepared to Set priorities and goals building skills needs to be a way of life. Creates personal growth identifying sources of stress in life and coping through practicing mindfulness. It also introduces students to the personality, personality types that related to happiness and the relationship between happiness, human connections, and social qualities, such as compassion, cooperation, mindfulness, and Gratitude. It also covers subjective state of well-being, optimism and emotional intelligence that facilitates the development of human resource in any society. In the course, students will have the		

opportunities to reflect on their life experiences and will be encouraged to apply the learned skills and attitudes to contribute to their present and future life contexts, such as family, schools, communities, and workplaces.		
Green & Sustainable Pharmacy	**Course Code: GE707**	**Credit Hours: 2+0**
The course is designed to introduce the Importance of green and sustainable pharmacy practice. The course is equipping pharmacy students with the knowledge, skills and attributes needed to work and live in a way that safeguards environmental wellbeing, both in the present and for future generations. Educating pharmacy students on how to work sustainably in their future careers will increase awareness of climate change and allow for effective mitigation strategies in the profession.		
Arabic Studies/ Native Speaker	**Course Code: GER01**	**Credit Hours: 2+0**
The" Arabic Studies" course has been allotted 2 credit hours which are to be covered over 16 weeks. Its primary focus is to equip students with fundamental Arabic language skills encompassing listening, reading, writing, and speaking. The course also emphasizes linguistic methods and error correction. The core objective of the course is to foster advanced language proficiency tailored to the specific needs of medical professionals, particularly in the realms of speaking, listening, reading, and writing. The curriculum underscores the importance of understanding the academic and cultural context in which students live and interact. Special attention is given to enhancing students' language proficiency in scientific contexts, with an emphasis on applications in clinical medicine. The course aims to elevate students' ability to communicate effectively with patients, comprehend research procedures, and produce accurate research reports. The sessions will be covered by interactive lectures (L), Tutorials (TUT), Role Play (RP) and project work (PW). The students are assessed by continuous assessment and final written examination.		
Arabic Studies/ Non Native	**Course Code: GER01**	**Credit Hours: 2+0**
The "Arabic Studies" course has been allotted 2 credit hours which is to be covered over 16 weeks. This course offers an introductory exploration of the fundamental aspects of the Arabic language. The primary objective is to enhance students' proficiency in both spoken and written Arabic, fostering effective communication. Tailored to align with the linguistic needs of non-native learners in the UAE, the course integrates contemporary cultural elements of the region. The course content is structured around vocabulary acquisition and the exploration of grammar relevant to medical Doctors. The sessions will be covered by interactive lectures (L), Tutorials (TUT), Role Play (RP) and project work (PW). The students are assessed by continuous assessment and final written examination.		
UAE Society	**Course Code: GER04**	**Credit Hours: 3+0**
The "UAE Society" course has been allotted 3 credit hours which are to be covered over a period of 16 weeks. The purpose of the course is to provide basic information concerning contemporary life in the United Arab Emirates (UAE) and the major social change taking place since the establishment of the federation until this day. The coverage includes a historical framework to the inception of UAE, its political system, economy, family, migration, population, woman, youth, and the development of civil society. Teaching methods will be mostly interactive lectures (L), Student Led Seminar (SLS), Small group discussions (SGD), Role play (RP) Field visit (FV) and tutorials (TUT). The assessment will be based on projects and MCQs.		
Creativity, Innovation and Entrepreneurship	**Course Code: GER05**	**Credit Hours: 3+0**
The course "Creativity, Innovation and Entrepreneurship" has been allotted 3 credit hours which are to be covered over 16 weeks. This course Creativity, Innovation and Entrepreneurship focuses on the interconnection between entrepreneurial thinking and innovation. Entrepreneurship education prepares students to identify and address challenges and opportunities. This course aims to provide the students with an overview of the key concepts of strategic planning as a fundamental component of Innovation and Entrepreneurship. It addresses critical areas for successful growth, including design thinking, open innovation, business models, product-market fit, and financing. This course will teach students how to think like an entrepreneur and provides the models, tools and frameworks to further develop business or ideas. An emphasis will be placed on the healthcare sector. The course teaching modalities include Lectures(L), Tutorials (TUT), Case-study (CP), Student led seminar (SLS) and Project work (PW). The Assessment modalities include student project and assignments.		

BASIC BIOMEDICAL SCIENCES		
Anatomy and Physiology-I	**Course Code: MC701**	**Credit Hours: 2+0**
The course offers a comprehensive knowledge of the structure and function of the human cell, integumentary, Blood, skeletal, muscular and nervous systems. The information offered by the course forms the foundations for further understanding of pharmacology, pathology, pathophysiology, and medicine. It gives the student an opportunity to develop into an independent learner and researcher.		
Anatomy and Physiology-II	**Course Code: MC702**	**Credit Hours: 2+1**
The course offers a comprehensive knowledge of the structure and function of the digestive, cardiovascular, respiratory, renal system, endocrine and reproductive systems. The information offered by the course forms the foundations for further understanding of pharmacology, pathology, pathophysiology, and medicine. It gives the student an opportunity to develop into an independent learner and researcher.		
Biochemistry	**Course Code: MC703**	**Credit Hours: 2+0**
The course provides the Pharmacy students with the knowledge to understand the mechanisms of life, acid-base balance, structure-function relationship and clinical correlation of different bio molecules including carbohydrate, lipids, amino acids, proteins, enzymes, haemoglobin and fibrous proteins and ultimately energy production through oxidative phosphorylation reactions in the mitochondrial electron transport chain.		
Microbiology & Immunology	**Course Code: MC704**	**Credit Hours: 3+1**
The aim of this course is to establish the student's basic understanding in the principles of microbiology and immunology. This course delivers information about different microbial species that cause human disease such as bacteria, fungi, and viruses and discusses current topics including antibiotic resistance and public health threats. Various issues related to sterilization & sterility-testing of pharmacopeial preparations will also be reviewed. The course also provides the student an understanding of immune system, important theories of immunology and the different types of failures of immune system. Laboratory focuses on the fundamental microbiological techniques.		
Pathology	**Course Code: MC705**	**Credit Hours: 2+0**
The course provides the students with the basic knowledge and conceptual understanding of the pathology of various diseases. Thus the student will be familiar with the names, classification, pathogenesis and pathological changes in the various body tissues in different diseases.		

PHARMACEUTICAL SCIENCES (PS)		
Pharmaceutical Organic Chemistry- I	**Course Code: PN701**	**Credit Hours: 2+0**
This course describes the structure of atoms, atomic orbital, hybridization, types of chemical bonding, the polarity of bond and its relationship with the electronegativity of the element. It also covers the reaction mechanism involves homolytic and heterolytic bond cleavages in a chemical reaction, production of free radicals and their stability. This course also describes the resonance structure, substituents effect on the resonance, types of isomerism and their effect on the optical activity of organic molecules.		
Pharmaceutical Organic Chemistry- II	**Course Code: PN702**	**Credit Hours: 2+1**
This course describes the structural configuration, nomenclature, physical properties, preparation methods, and chemical reactions/reaction mechanism of different functional groups as an aliphatic, aromatic hydrocarbon, substituted hydrocarbons, polynuclear hydrocarbons, esters, ethers, thioethers, alcohols, carboxylic acids, aldehydes, ketones, amines, diazonium salts and heterocyclic compounds. Laboratories include identification of functional groups of different organic molecules and preparation of selected organic compounds, their separation, purification and identification.		
Medicinal Chemistry-I	**Course Code: PN703**	**Credit Hours: 3+0**

Medicinal chemistry is the application of chemistry in the context of human medicine. This course describes the physiochemical, stereo-chemical aspects of drug action and biotransformation chemical reactions of phase I and phases II. This course also describes the chemistry of pharmacophore and structure-activity relationship of several classes of drugs that affecting the cardiovascular system (cardiac glycosides, antianginal, antiarrhythmic and antilipidemic agents, anticoagulants, antiplatelets, and diuretics), cholinergic, adrenergic neurotransmission, and stimulating central nervous system. In this course, a student will gain knowledge about how the structure of a drug relates to its intermolecular drug-receptor interactions/biological activity and metabolism. Students will also gain knowledge about drug designing and synthesis of different classes of medicinal agents.		
Medicinal Chemistry-II	**Course Code: PN704**	**Credit Hours: 2+1**
This course describes the medicinal chemistry of centrally acting drugs that includes opiate analgesics, nonsteroidal anti-inflammatory agents analgesic-antipyretics, sedatives-hypnotics, antiepileptics, general anaesthetics, psychotherapeutic drugs, antiparkinsonian and skeletal muscle relaxant. It also describes the drugs that affect neuronal transmission as local anaesthetics. In this course student will gain knowledge about how the structure of a drug relates to its physicochemical properties, intermolecular drug-receptor interactions lead to pharmacological activity and metabolism. Students will also gain knowledge and skills about drug designing, synthesis and analysis of different classes of medicinal agents.		
Medicinal Chemistry–III	**Course Code: PN705**	**Credit Hours: 3+0**
This course describes the medicinal chemistry of beta-lactam antibiotics, antimicrobial agents, antimalarial, antifungal, antiviral and antineoplastic agents. It also describes the drugs affecting the immune system as antihistamines and antiulcer agents, the endocrine system as insulin and oral hypoglycemic drugs, steroid hormones and therapeutically related drugs (corticosteroids, sex hormones) and thyroid drugs. In this course student will gain knowledge about the development of lead compound and how the structure of a drug relates to its physicochemical-pharmacokinetic properties, drug-receptor interaction leads to biological activity and pharmacological-clinical uses.		
Instrumental Analysis	**Course Code: PN706**	**Credit Hours: 2+1**
This course is an introduction to modern instrumental methods of chemical and pharmaceutical analysis. It describes the theory of operation, instrument design and methodology, and applications of spectroscopic techniques of UV/VIS, Fluorescence, FTIR, AAS, MS, and NMR, and chromatographic methods that include gas and liquid chromatography. Laboratory includes the application of instruments in the analysis of chemicals, drugs, supplements and medicinal agents.		
Introduction to Pharmacy	**Course Code: PC701**	**Credit Hours: 1+0**
This course introduces basic concepts in pharmaceutics including briefing the different dosage forms, routes of drug administration, prescription, labelling of medications and pharmaceutical Latin abbreviations. Besides, the course teaches extemporaneous dispensing and the fundamentals in the calculation of concentration expressions.		
Pharmaceutics-I	**Course Code: PC702**	**Credit Hours: 3+1**
The course is designed to provide the students with the theoretical and practical principles of the pharmaceutical dosage forms concerning their advantages and limitations, types and functions of excipients, preparation techniques, formulation strategies, and final product packaging and stability. The course deals with liquid dosage forms as aqueous and non-aqueous solutions, suspensions, emulsions, and sterile parenteral and ophthalmic dosage forms. The basic physical characteristics and calculations required in the formulation of the mentioned dosage forms are also discussed. Besides, students are initially exposed to modern formulation technology and innovations in pharmaceutical dosage forms and drug delivery systems.		
Pharmaceutics-II	**Course Code: PC703**	**Credit Hours: 3+1**
This course is designed to cover different pharmaceutical dosage forms, their properties, characterization and methods for the production of finished pharmaceuticals. It includes semisolid dosage forms, including creams, ointments, gels, and pastes. Furthermore, the course discusses topics related to solid dosage and modified solid dosage forms in terms of their production, manufacturing methods, machinery and evaluation of the final product. Also, it provides background knowledge in respiratory dosage forms and some advanced nanoparticles. The Lab component of this course is designed to provide extensive practical exposure in development & evaluation of such dosage forms.		
Biopharmaceutics and Pharmacokinetics	**Course Code: PC704**	**Credit Hours: 3+0**

The major focus in biopharmaceutics will be concentrated on the various in vitro and in vivo factors that can affect drug performance in the body during the processes of liberation, absorption, distribution, metabolism, excretion with the purpose of evaluation of drug delivery systems, and the therapeutic management of patients. The pharmacokinetics section of the course provides a conceptual and quantitative background in pharmacokinetic theory and applications needed to pursue advanced studies in clinical pharmacokinetics.		
Pharmaceutical Technology	**Course Code: PC705**	**Credit Hours: 2+1**
The course is designed to provide students with proper knowledge in various aspects in the pharmaceutical technology including pre-formulation studies of solid dosage forms, manufacturing processes as granulation, drying and filtration. Packaging technology and its effect on medicine safety, effectiveness, and patients' compliance are also discussed. The course also focuses on the development of new drug delivery systems such as matrix solid dispersions, transdermal patches, and microspheres		
Pharmaceutical Biotechnology	**Course Code: PC706**	**Credit Hours: 2+0**
This course delivers up-to-date information about different biotechnological processes (Recombinant DNA, enzyme, hybridoma, and fermentation technology) involved in the development of therapeutic proteins, peptides, vaccines (DNA and RNA vaccines) and gene products. It also discusses various issues related to the development and delivery of these stable biotechnological products in humans		

CLINICAL SCIENCES (CS)		
Pharmacology & Therapeutics-I	**Course Code: CP702**	**Credit Hours: 3+1**
The course provides knowledge of basic principles of pharmacokinetics and pharmacodynamics of medications and their therapeutic application. An in-depth discussion of concepts of importance in pharmacology is emphasized. The principles of the drugs affecting autonomic nervous system are discussed. Autacoids and anti-inflammatory medications (NSAIDs & Corticosteroids) are also covered. In addition, the course provides the clinical characteristics of peptic ulcer and inflammatory bowel disease. Finally, the pharmacologic benefits of medications in each disease, the management guidelines, treatment algorithms, and patient educations of the studied disorders are fully covered.		
Clinical Biochemistry	**Course Code: CP703**	**Credit Hours: 2+1**
The course provides to the pharmacy students the knowledge and advances understanding of the metabolic pathways of different biomolecules and related clinical correlations in addition to the integration of metabolic reactions in different human tissues and different physiological and pathological conditions.		
Pharmacology and Therapeutics-II	**Course Code: CP704**	**Credit Hours: 3+1**
The course deals with the principles of the common cardiovascular diseases describing the causes of hypertension, the major determinants which control coronary blood flow, and the etiology of heart failure. Then, the course provides the clinical characteristics (mechanism of action, benefits, adverse effects, interactions, and contraindications) of beta blockers, α-blocker, diuretics, vasodilators, calcium channel blockers, nitrates, ACE inhibitors, ARBs, cardiac glycosides and antiarrhythmics. Finally, the pharmacologic benefits of medications in each disease, the management guidelines, treatment algorithms, and patient educations of the studied disorders are fully covered.		
Pharmacy Practice	**Course Code: CP705**	**Credit Hours: 3+1**
This course introduces students to various aspects of pharmacy practice. It covers the knowledge of minor diseases that can be managed by the pharmacist concerning aetiology, symptoms, diagnosis, treatment, management and counselling. Moreover, the student will learn the different types of over-the-counter (OTC) medications used for a variety of medical cases, such as respiratory and GIT systems, skin and dental care, ears, eyes, nose and throat (ENT) problems, as well as pain management. Further areas of learning are women's health, children's care, and smoking cessation. This course will also provide the student with professional communication skills needed to deal with patients in the hospital and community pharmacy settings during an OTC therapeutic dialogue.		
Pharmacology and Therapeutics-III	**Course Code: CP706**	**Credit Hours: 3+1**

This course is designed to provide students with broad understanding of central nervous system pharmacology in addition to the pharmacology, pathophysiology, clinical pharmacokinetic and pharmacotherapy in major area of endocrinology with special emphasis on the thyroid disorders. The course includes practical classes using case-based approaches related to the topics of this course. The course will be taught concurrently with Applied Pharmacokinetics to offer the maximum benefit of integrated knowledge.		
Applied Pharmacokinetics	**Course Code: CP707**	**Credit Hours: 2+0**
The course deals with the concepts of the clinical pharmacokinetics of certain drugs and calculation of doses of drugs during organ impairment and clinical transplant pharmacokinetics and therapeutic drug monitoring, drug administration, alteration of dosage form and doses based on individualization and population data, approach to therapeutic drug monitoring, a case study of drugs requiring therapeutic monitoring.		
Alternative and Complementary Medicines	**Course Code: CP708**	**Credit Hours: 2+0**
Alternative and Complementary Medicines course provides the students a broad range of complementary therapies and how these can be utilized to enhance health. The students will be able to locate and evaluate credible information about complementary therapies and wellness. This course also covers the treatment of different diseases by herbal therapy, dietary health supplements, aromatherapy, relaxation therapy, minerals and vitamins supply, acupressure, ayurvedic medicine therapy, homoeopathy and hydrotherapy.		
Research Methodology& Biostatistics	**Course Code: CP709**	**Credit Hours:1+1**
This is an intensive introductory course to understand the basic concepts of pharmaceutical, clinical research & statistical methods used in applied research. This helps the students in getting acquainted with different research strategies and identifying potential research plans that will help them in their future research projects. This course helps the students to develop the writing skills of the research proposal, reports, thesis & articles in international standards. The course familiarizes the students with the use of a statistical package and gives them the skills needed for effective data management, data manipulation, data analysis at a basic level. The course will develop basic skills in the use of a statistical package through classroom demonstrations and independent lab		
Pharmaceutical Care	**Course Code: CP710**	**Credit Hours: 2+0**
This course provides the knowledge and experience that enables the students to understand and describe clinical pharmacy and pharmaceutical care practice aspects. The aim of this course is to provide the students with the skills of treatment assessment, care plan developing and follow up evaluation. Also, the student will be provide with the skills of identifying different types of patients drug related needs, different types of drug related problems and taking decision with ethical considerations in the practice of clinical pharmacy.		
Pharmacology and Therapeutics-IV	**Course Code: CP711**	**Credit Hours: 3+1**
This course is designed to provide students with integrated knowledge of basic pharmacology of various classes of antibacterial, antiviral, antifungal and chemotherapeutic agents. Focus is emphasized on main indication of each antimicrobial, its significant adverse effect and precautions to avoid drug resistance. Furthermore, the course covers the management of selected infectious diseases based on evidence-based guidelines including lower respiratory tract, urinary tract, CNS, opportunistic infections as well as HIV.		
Pharmacogenomics & Precision Medicine	**Course Code: CP712**	**Credit Hours: 3+0**
The goal of the course is to give students an understanding of the principles of human genetics and genomics as they apply it to find solutions in drug therapy optimization and patient care, thus providing basic understanding of discipline of pharmacogenomics. This course discusses genetic basis of variability in drug response that contribute to drug efficacy and toxicity, adverse drug reactions and drug-gene interaction. As such, pharmacists need a thorough understanding of the genetic component of patient variability to deliver effective individualized pharmaceutical care.		
Hospital Pharmacy	**Course Code: CP713**	**Credit Hours: 2+1**

The aim of this course is to provide the students with knowledge of the principles of pharmacy practice in a hospital setting. It aims to enable students to gain knowledge to practice in various areas of hospital pharmacy including understanding the basic layout of the pharmacy department in a hospital setting; understanding the roles of the pharmacist in hospital practice including the distribution of medications, medication compounding, collaborations as a member of the healthcare team, and other patient care services, identifying and reporting any possible drug interactions and mastering the administrative part of hospital pharmacy services including drug distribution control system & unit Dose Systems.		
Pharmacy Laws and Drug Regulations	**Course Code: CP714**	**Credit Hours: 1+0**
The course covers various policies, laws & regulations related to pharmacy practice and pharmacy professionals dealing with licensing, pharmacy operations, controlled substances, and operations in institutions. A Brief overview of the legal system including nature and sources of UAE laws on practicing pharmaceutical profession and trading in a medicine profession.		
Pharmacoepidemiology &Pharmacovigilance	**Course Code: CP715**	**Credit Hours: 2+0**
This is an introductory course, which equips students with a basic understanding of the concepts and practice of pharmacoepidemiology and pharmacovigilance in areas related to the assessment of drug safety and risk-benefit of drug use. This course will meet the needs of a wide variety of practitioners in detecting, managing, reporting of Adverse Drug Events/Reactions.		
Clinical Toxicology	**Course Code: CP716**	**Credit Hours: 2+0**
The course is intended to empower students with basic knowledge of Clinical Toxicology. The major focus of the course is on basic principles, mechanisms, and common approaches for the management of poisoned patients. Selected topics are covered in this course that includes occupational, heavy metals and drug toxicities. Students will gain knowledge of how selected chemicals/drugs exert toxic effects, present and managed clinically.		
Pharmacology and Therapeutics-V	**Course Code: CP717**	**Credit Hours: 2+1**
This course is designed to provide students with comprehensive understanding of respiratory system disorders (i.e. asthma and chronic obstructive pulmonary disease; COPD), diabetes mellitus, rheumatologic diseases (i.e. osteoarthritis, rheumatoid arthritis, gout & hyperuricemia) and osteoporosis. In the scope of these domains, the students will be learning the pharmacology, pathophysiology, clinical pharmacokinetic and pharmacotherapy in each domain with special emphasis on the diabetes mellitus and asthma. The course includes practical classes using case-based approaches related to the topics of this course. The course will provide the students with solid background about the different clinical practice essentials when multiple co-morbidities are existing.		
Natural Medicines Safety and Efficacy	**Course Code: CP718**	**Credit Hours: 3+1**
Natural medicines are types of medicines that are obtained from natural sources like plants, animals, fungi, or marine products for the treatment of some Diseases. Natural medicines are considered as important alternative to modern medicine. The aim of this course is to provide the students information about the international guidelines for assessing the quality, safety and the efficacy of natural medicines that present in the pharmaceutical markets, according to WHO. In addition, it provides the students information on the potential health benefits of natural medicines, their pharmacological action, folkloric uses, clinical studies, contraindications, side effects, interaction with other drugs, name of the supplement/s methods of preparation and the safe doses.		
Pharmaceutical Administration and Pharmacoeconomics	**Course Code: CP719**	**Credit Hours: 2+0**
The aim of this course is to provide the students with the working knowledge and fundamental principles of management related to pharmacy practice leadership. During this course, students are exposed to various administrative skills, strategic planning, motivational theories and risk management, which enable them to efficiently manage health care sectors. This course also covers the introduction of macoeconomics pharmacoeconomics, need and practice of pharmacoeconomic analyses in drug management, basic types of pharmacoeconomic analyses, drug utilization studies		
Pharmacy Automation & Informatics	**Course Code: CP720**	**Credit Hours: 2+0**

This course will be conducted in collaboration with automation industry to introduce the concept of automation in pharmacy like robotic pharmacy, use of mobile health tools, clinical software applications ("clinical apps"), and other associated devices used by clinicians and patients for patient care. This course acquaints with cyber-security systems and procedures for vulnerabilities. This course also supports key decision-making roles for pharmacists in the planning, selection, design, implementation, and maintenance of medication-use information systems, electronic health records.		
Professional Skills in Practice	**Course Code: CP721**	**Credit Hours: 1+2**
The aim of this course is to provide the students with the knowledge of the various health care providers, rapidly evolving types of healthcare delivery systems, and complexities of relationships among the various health care professionals working within the health care system. Students should be aware of the basic clinical skills required by pharmacists to get the insight they need to cultivate informed, compassionate and effective patient care.		
Capstone course	**Course Code: CP722**	**Credit Hours: 0+2**
This course helps in exploring the creativity of the students with a variety of realistic requirements and constraints in developing clinical pharmacy activities. The course is clinically oriented to emphasize the safety and efficacy in patient care. This course works with various elements of pharmaceutical care identified in the courses learned in all semesters to arrange and combine them to form a new concept (i.e., thinking outside the box), developing a creative, unique solution to the problem. This course integrates the problem based and project-based learning such as the challenges, effective learning through enquiry. This course collaboratively applies real world and theoretical knowledge to solve a problem.		
Calculation in Practice	**Course Code: CP723**	**Credit Hours: 0+2**
The aim of this course is to provide clear instructions of calculations to pharmacy students with thorough revision, and enabling them to perform flawless calculations accurately which develops confidence in them. Since pharmacist use calculations regularly in their practice, it is vital that they are able to employ calculation skills precisely so as not to compromise patient safety. Therefore the students should get a mandatory pass in this course before getting graduation.		

Professional Practice Experience (PPE) - Credit Hours: 24
IPPE01: Introductory Professional Practice Experience for 200 hours during the summer semester in the second year of BPharm.
IPPE02: Introductory Professional Practice Experience-Healthcare setting for 120 hours (Health Care) Summer semester Year 3
APPE: Advanced Professional Practice Experience 640 hours during the Fall semester of the fifth year of BPharm.
Industrial Training: INTR, 40 hours in spring semester Year 4

Capstone Project		
Capstone Project	**Course Code: CS701**	**Credit Hours: 0+2**
In the final phase of their studies, students have to present a project based on all-round knowledge they have acquired in different areas of pharmaceutical sciences. The presented project is evaluated, and the students are assessed for their knowledge by a panel of internal and external examiners.		

ELECTIVE COURSES		
AREA I		
Organizational Behavior and Cultural Diversity	**Course Code: EC7011**	**Credit Hours: 2+0**
This course exposes students to behavioral science theories and applications in management. Organizational behavior is an interdisciplinary field drawing from numerous disciplines including psychology, sociology, economics, organization theory and many others. Organizational behavior helps the student to learn the value-added of "soft" management interventions. Understand and articulate how culture, society, and diversity shape the role of the individual within society and human		

relations across cultures. In addition, the course aims to provide the students with an overview of the key concepts of strategic planning as a fundamental component of the Innovation & Entrepreneurship.		
Emotional Intelligence and Leadership	**Course Code: EC7012**	**Credit Hours: 2+0**
The course is designed to enable students to equip with the knowledge, skills, perspectives, and attitudes to achieve desired leadership outcomes across the three EIL facets which are the consciousness of self, consciousness of others, and consciousness of context. Across three EIL facets are nineteen capacities. Through the idea of EI and leadership, this course provides students a framework, a toolbox, and a guide for seeing the unique capacity in themselves to make a difference in the lives of others.		
AREA II		
Nuclear Pharmacy	**Course Code: EC7021**	**Credit Hours: 2+0**
Nuclear pharmacy is a specialty area of pharmacy practice dedicated to the compounding and dispensing of radioactive materials for use in nuclear medicine procedures. This course covers basic concepts involved with radioactivity, different types of radiations, radiation dose, nuclear medicines, and diagnostic & therapeutic applications of nuclear medicines and safety measures in nuclear pharmacy practice.		
Pharmacognosy and Phytochemistry	**Course Code: EC7022**	**Credit Hours: 2+0**
Pharmacognosy & Phytochemistry course introduces the pharmacy students to the concept of the drugs derived from natural resources according to their biosynthetic origin as well to impart an understanding of natural product structures and the way they are put together in living organisms. The student should be aware with different methods of extraction, isolation/identification as well as with the biological activities of the plant constituents of the acetate-malonate and shikimic acid pathways and the drugs containing these constituents.		
AREA III		
Regulatory Affairs	**Course Code: EC7031**	**Credit Hours: 2+0**
This course introduces students to various aspects of Regulatory affairs. It covers the knowledge of the regulations and guidelines related to health care products (pharmaceuticals, medical devices and cosmetics) and the related component authorities/ agencies in Europe, USA and GCC countries. This course will offer the B. Pharm graduate to work as Regulatory affairs specialist in health care entities.		
Pharmaceutical GMP	**Course Code: EC7032**	**Credit Hours: 2+0**
This course provides a comprehensive overview on the Good Manufacturing Practice (GMP) in manufacturing process and quality control testing of the pharmaceutical products. It covers various aspects of quality control and quality assurance as well as industry standards in the areas of contamination control and microbiology in the workplace, warehousing, production, packaging cleaning and sanitation, documentation and records archiving. Students will also be introduced to GMP audit plan and techniques in addition to the key concepts, facilities and requirements to Good Laboratory Practice (GLP). The instructor will deliver the course contents by multiple learning activities such as didactic lectures, self-learning, class discussion and tutorials. While students' performance will be evaluated via different assessment instruments including class activity, quizzes and written exams.		
Area IV		
Nutrition and Health	**Course Code: EC7041**	**Credit Hours: 2+0**
Nutrition and Health course provides the pharmacy students basics of nutrition by discussing the nutrients, their function in the human body and their sources in the diet. This course gives the students an understanding of the causes behind health issue related to nutrition. The course makes the students aware about what to eat and how to choose healthy foods. The course also makes the students to solve nutrition-related problems and make healthy food and nutrition decisions.		
Bioassay and Screening in Drug Development	**Course Code: EC7042**	**Credit Hours: 2+0**

The course provides basics of tests applied in screening and bioassay of new substances for the drug discovery and development. It also focuses on clarification of the basic concepts of biological assay of drugs based on their pharmacological classification. Experiments applied to assess many drug classes like autonomic-acting agents, anti-inflammatory, analgesics, Cardiac glycosides, antihypertensive agents are fully discussed. In vivo and invitro antitumor assay (cell-based assay MTT and SRB assay), flow cytometry, high throughput screening, cardiovascular risk assessment in modern drug development, preclinical safety and toxicity testing of drugs in addition to target identification, validation and biological evaluation will be covered.

13.Examination, Grading & Assessment

Course Assessment

Each course is assessed as outlined in the course description form and can be further discussed with the course coordinator.

Types of Assessment:

Written Examination (Mid semester and Final exam): Written examination assures that students have attained the appropriate knowledge related to the profession which can be applied in learning the skills. These exams measure the comprehension of students and their improvement.

Oral exam: The oral evaluation gives feedback from the students on how they see the relative importance of the different topics. The oral exam is suitable for many types of performance and for working with different competencies. If students' oral communication in a specific area or in general is essential, an oral exam is to be preferred.

Practical and laboratory work: The practical exam evaluates the skills gained by the student which they have learned in all over the practical sessions offered in the course. It identifies the student's level of performance while demonstrating well-developed skills.

Assignment: Assignments are evaluated through rubric scores based on different criteria's. It helps to measure the student's ability to understand the theoretical knowledge in depth. Assignments assess the student's ability to gather the information, processing, interpreting and drawing conclusions.

Case study: A specific and detailed description of an event, situation, or circumstance that is presented to a student for study and analysis.

Scientific Poster: A large, printed sheet intended for display and containing words, illustrations, or both to provide general or specific information for broad or targeted students.

Herbarium: A systematically arranged collection of dried plants.

OSCEs: A type of examination often used in health sciences. It is designed to test clinical skill performance and competence in a range of skills.

Professional Practice Experience reports: By the PPE reports the students to develop observation and recording skills. Students' efficiencies can be measured through the submitted reports, which give the detail of students learning activities during the training.

Article review and Presentation: Students ability to appraise the literature will be assessed based on their interpretation and presentation of a research paper.

Self- learning assessment: Students develop their own list of characteristics and judge their own work. Students learn to monitor their own progress and will strive to improve.

PBL: Students active participation, involvement in the group discussion will be peer assessed and also assessed by the instructor. Observations will be recorded as a narrative and highly structured format, such as a checklist. Students knowledge applied in the problem-based discussions will be assessed through quiz (teaching and assessment methodologies are presented in the related course descriptor).
Kahoot: Kahoot! can be used to review students' knowledge, for formative assessment.

Project learning by doing: is a student-centered teaching modality, in which students in groups of 3-4 work together as a team to create a 2D or 3D project that represents one of the concepts of the course.

Capstone Project:
A project submitted by the students in the fourth year of B. Pharm., based on all round knowledge they have acquired in the four main areas viz., Pharmaceutics, Pharmaceutical Medicinal Chemistry, Natural Products, Pharmacology, Therapeutics and Clinical. This project includes a research work, which the students carry out on recent developments in pharmaceutical sciences.

Examination Schedule:
The students shall take their exams as per the schedule fixed by the College in the light of the following rules and regulations: Final exams will be held at the end of the semesters (Fall and Spring), on completion of the prescribed syllabus.

Re-sit Exams:
- Re-sit exams for all the subjects considered necessary shall be held at the end of the second semester within a week after the declaration of the examination results.
- Not more than one re-sit exam for any subject shall be allowed within one academic year.

Course Grading System:
Students are assigned grades (letters) for each course in which they have enrolled. The letter reflects the student's achievement in the course. The minimum grade for passing a course is letter (D) and grades are written in letters according to the following table:

%Marks	Grade	Grade Symbol	Evaluation
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	Very Good
75 – 79.99	2.50	C+	Good
70 – 74.99	2.00	C	Satisfactory
65 – 69.99	1.50	D+	Unsatisfactory
60 – 64.99	1.00	D	Unsatisfactory
Below 60	0.00	F	Failed
# For MPharm, less than 70% Marks considered as Failed.			
-	-	I	Incomplete
-	-	W	Withdraw
-	-	T	Transferred & Equated

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 it's credit hours and dividing the total of all courses by the number of total credit hours taken for all semesters.
- By contrast, the GPA is the average of grade points of all courses in one semester, whether she passed or failed the course.
- As mentioned earlier, the CGPA is the average of grade points of all courses in 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 / CGPA	**B. Pharm**
	Evaluation
3.75 - 4.00	Outstanding
3.74 - 3.60	Excellent
3.00 - 3.59	Very Good
2.50 - 2.99	Good
2.00 - 2.49	Satisfactory
Less than 2.00	Unsatisfactory

Incomplete Grades

1. A student who is unable to attend the final exam of any course because of extenuating circumstances such as serious illness, accident, or death of a family member during the final examination period seeks an incomplete grade "I" for the course.
2. Grade "I" is granted to the student if the average marks of the course work is not less than 60%.

3. Requests for an "I" grade is made on a form available from Dean's office.
4. Unless otherwise stated on the form, the work required to remove an "I" grade is to be completed no later than the end of the second week of the next semester in which the student registers at the university. Otherwise, a grade of "F" is recorded.
5. (For Credit System students only) after the two weeks add/drop period, and up to the end of the 10th week of a semester, students may choose to withdraw from a course without academic penalty; however, a grade of "W" will appear on the student's transcript.

DISCIPLINARY MEASURES

Violation of the examination rules attempts of misleading conduct, disturbing behavior or disruption of the examination will be reported to the Disciplinary committee. Disciplinary measures may be imposed, singly or in combination, for non-academic misconduct include, but are not limited to, the following:
(a) Warning or reprimand – a written warning or reprimand to the student will be issued in case of inappropriate behavior
(b) Debarring or cancellation– If caught cheating (first time) the student will be debarred from taking all the paper of the applicable exam; for e.g., mid-term or finals respectively. All the exams undertaken by the candidate will be cancelled.
(**c) Suspension from the College** – If caught cheating (second time), will result in suspension of the student from the College for a specified period of time of two months after which the student is eligible to return. Conditions for readmission may be imposed.
(d) Expulsion from the College – If caught cheating (third time), Expulsion of the student from the College.

ENSURING ACADEMIC INTEGRITY AT DPCG

- ✓ Current college policies prohibit dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the college. DPCG's recommended discipline process about plagiarism and cheating is available from the Office of the Chief Academic Officer (BPharm) / Program Director (M. Pharm). Course syllabi should reference the process.
- ✓ When addressing plagiarism or cheating with reasonable evidence, the faculty member should notify the student of the concern.
- ✓ In situations where cheating or plagiarism has occurred, the faculty member is to determine consequences in compliance with DPCG policy and regulations, which prohibit dropping a student from a course. The consequences may be any of the following options:
- ✓ giving the student a verbal or written warning giving the student an additional assignment
- ✓ giving the student a zero on the assignment
- ✓ determining other appropriate consequences that comply with DPCG's policy and regulations.
- ✓ In such situations the faculty notifies the student that a "Student Code of Conduct Violation" form (DP-F-01) will be filed in the Dean's Office.
- ✓ Students have the right to grieve an action that they feel violates their student rights.
- ✓ The office of the Student Affairs shall be responsible for maintaining records.
- ✓ Probation, suspension or expulsions are courses of action that may be determined by the Dean, in accordance with the Student Disciplinary Committee.

A. Scheme of Assessment

Semester	Code	Domain	Courses	Lecture	Practical	Total Units	Assessment Tools																			
							Quizzes	Oral	PBL assessment	Class activity/continuous assessment	Case based assessment	Assignment	Symposium(presentation)	Poster	Herbarium	Project Report	Self-learning	Homework	OSCEs	Article review	Mid Semester	Practical				Final Exam
																						Exam	Attitude & Behavior	Manual	Attendance	
Fall Semester	PN701	PS	Pharmaceutical Organic Chemistry- I	2	0	2	10	10		15											25					40
	MC701	BBS	Anatomy and Physiology- I	2	0	2	10	10				15									25					40
	GE701	GE	Mathematics & Statistics	2	0	2	10			10								15			25					40
	GE702	GE	English for Medical Sciences	2	0	2						15	10			10					25					40
	GE703	GE	Technology in Health and E Health	0	2	2	10			10		15									25					40
	GE704	GE	Islamic Study	2	0	2	10			10		15									25					40
	GE705	GE	History of Pharmacy	1	0	1	10	10				15									25					40
	PC701	PS	Introduction to pharmacy	1	0	1	10	10				15									25					40
Spring Semester	PN702	PS	Pharmaceutical Organic Chemistry- II	2	1	3	10			15											20	15	3	4	3	30
	GE706	GE	Principles of Psychology	2	0	2	10	10					15								25					40
	GE707	GE	Green & Sustainable Pharmacy	2	0	2	10					10	15								25					40
	PC702	PS	Pharmaceutics-1	3	1	4	10					15									20	15	3	4	3	30
	MC703	BBS	Anatomy and Physiology-II	2	1	3	10					15									20	15	3	4	3	30
Summer Semester	GE708	GE	Arabic Studies	2	0	2	10			10		15									25					40
	GE709	GE	UAE Society	2	0	2	10			10		15									25					40
	EC7011/EC7012	EC	Elective Area- I	2	0	2	10			10		15									25					40

Semester	Code	Domain	Courses	Lecture	Practical	Total Units	Assessment Tools																			
							Quizzes	Oral	PBL assessment	Class activity/continuous assessment	Case based assessment	Assignment	Symposium(presentation)	Poster	Herbarium	Project Report	Self-learning	Homework	OSCEs	Article review	Mid Semester	Practical				Final Exam
																						Exam	Attitude & Behavior	Manual	Attendance	
Fall Semester	CP702	CS	Pharmacology and Therapeutics-I	3	1	4	10				10	15									20	10	1	2	2	30
	PN703	PS	Medicinal Chemistry-I	3	0	3	10			15		15									30					30
	MC703	BBS	Biochemistry	2	0	2	10			10		15									25					40
	MC704	BBS	Microbiology and Immunology	3	1	4	10					15									20	15	3	4	3	30
	PC703	PS	Pharmaceutics- II	3	1	4	10					15									20	15	3	4	3	30
Spring Semester	PN704	PS	Medicinal Chemistry -II	2	1	3	10										15				20	15	5	5	-	30
	PC704	PS	Biopharmaceutics and Pharmacokinetic	3	0	3	5	5				15				15					30					30
	CP703	CS	Clinical Biochemistry	2	1	3	10										15				20	15	5	5	-	30
	CP704	CS	Pharmacology and Therapeutics-II	2	1	3	10										15				20	15	5	5	-	30
	CP705	CS	Pharmacy Practice	2	1	3	10						15								20	15	3	4	3	30
	MC705	BBS	Pathology	2	0	2	10	10				15									25					40
Summer Semester	IPPE-01	CS	Introductory Professional Practice Experience (See catalog)	0	5	5																				
Fall Semester	PN705	PS	Medicinal Chemistry-III	3	0	3	10	10				15									25					40
	PC705	PS	Pharmaceutical Technology	2	1	3	10					15									20	15	3	4	3	30
	PC706	PS	Pharmaceutical Biotechnology	2	0	2	10	10				15									25					40
	CP706	CS	Pharmacology and Therapeutics-III	3	1	4	10				10	15									20	10	1	2	2	30

Semester	Code	Domain	Courses	Lecture	Practical	Total Units	Assessment Tools																			
							Quizzes	Oral	PBL assessment	Class activity/continuous assessment	Case based assessment	Assignment	Symposium(presentation)	Poster	Herbarium	Project Report	Self-learning	Homework	OSCEs	Article review	Mid Semester	Practical				Final Exam
																						Exam	Attitude & Behavior	Manual	Attendance	
	CP707	CS	Applied Pharmacokinetics	2	0	2	10	10				15									25					40
	CP708	CS	Alternative and Complementary Medicines	2	0	2	10	10					15								25					40
	CP709	GE/CS	Research Methodology and Biostatistics	2	0	2															50					50
Spring Semester	PN706	PS	Instrumental analysis	2	1	3	10					15									20	15	5	5	-	30
	CP710	CS	Pharmaceutical Care	2	0	2	10	10				15									25					40
	CP711	CS	Pharmacology and Therapeutics-IV	2	1	3	10										15				20	15	5	5	-	30
	CP712	CS	Pharmacogenomics and Precision Medicine	3	0	3	10	10					15								25					40
	EC7021/EC7022	EC	Elective Area-II	2	0	2	10	10				15									25					40
	GE710	GE	Creativity, Innovation and Entrepreneurship	2	0	2	10	10				15									25					40
Summer semester	IPPE-02	CS	Introductory Professional Practice Experience (See catalog)	0	3	3																				
	INTR	PS	Industrial Training (See catalog)	1	0	1																				
Fall Semester	CP713	CS	Hospital Pharmacy	2	0	2	10			10						15					25					40
	CP714	CS	Pharmacy Laws and Drug Regulations	1	0	1							50													50
	CP715	CS	Pharmacoepidemiology & Pharmacovigilance	2	0	2	20						40													40
	CP716	CS	Clinical Toxicology	2	0	2	10	10					15								25					40

Semester	Code	Domain	Courses	Lecture	Practical	Total Units	Assessment Tools																				
							Quizzes	Oral	PBL assessment	Class activity/continuous assessment	Case based assessment	Assignment	Symposium(presentation)	Poster	Herbarium	Project Report	Self-learning	Homework	OSCEs	Article review	Mid Semester	Practical				Final Exam
																						Exam	Attitude & Behavior	Manual	Attendance	
	CP717	CS	Pharmacology and Therapeutics- V	2	1	3	10										15				20	15	5	5	-	30
	CP718	CS	Natural Medicines Safety and Efficacy	3	1	4	10							15							20	15	3	4	3	30
	EC7031/EC7032	EC	Elective Area III	2	0	2	10	10					15								25					40
Spring Semester	CP719	CS	Pharmaceutical Administration and Pharmacoeconomics	2	0	2	10						15								25					40
	CP720	CS	Pharmacy Automation and Informatics	2	0	2	10					25									25					40
	CP721	CS	Professional Skills in Practice	1	2	3				10		20							30							40
	CP72	CS	Capstone Course	0	2	2	15	15	30				30			10										
	CP723	CS	Calculations in Practice	2	0	2	10					20									30					40
	CS707	CS/PS	Capstone Project	0	2	2		25					50			25										-
	EC7041/EC7042	EC	Elective Area IV	2	0	2	10						15								25					40
Fall Semester	APPE-02	CS	Advanced Professional Practice Experience (See catalog)	0	16	16																				

B.Seminar Rubrics

Student Presenter: _____ **Grading Scale:**

Evaluator: _____ Date:_____

F	D+	C	C+	B	B+	A	A+	

Knowledge & content	**1 (below 40)**	**2 (40-60)**	**3 (60-80)**	**4 (80-100)**	**Score**
Organization and Presentation	Hard to follow, sequence. of information jumpy	Most of information presented in sequence	Information presented in logical sequence; easy to follow	Information presented as interesting story in logical, easy to follow the sequence	
Background Content	Material not clearly related to topic C background dominated. Seminar	Material sufficient for clear understanding but not clearly presented	Material sufficient for clear understanding AND effectively presented	Material sufficient for clear understanding AND exceptionally presented	
Contribution of Work	Significance not mentioned or just hinted	Significance mentioned	Significance explained	Significance exceptionally well explained	
Knowledge of Subject	Does not have a grasp of information; answered only rudimentary questions	At ease with information, answered most questions	At ease, answered all questions but failed to elaborate	Demonstrated full knowledge; answered all questions with elaboration	
Presentation Skills					
Graphics (use of PowerPoint)	Uses graphics that rarely. support text and presentation	Uses graphics that relate to text and presentation	Uses graphics that explain text and presentation	Uses graphics that. explain and reinforce text and presentation	
Mechanics	The presentation has more than 10 misspellings and/or grammatical errors	The presentation has no more than 5 misspellings and/or grammatical errors	Presentation has no more than 2 misspellings and/or grammatical errors	The presentation has no misspellings or grammatical errors	
Eye Contact	Reads most slides; no or just occasional eye Contact	Refers to slides to make points; occasional eye contact	Refers to slides to make points; eye contact majority of the time	Refers to slides to make points; engaged with the audience	
Elocution - not ability to speak English language	Mumbles and/or Incorrectly pronounces some terms	Incorrectly pronounces some terms	Incorrectly pronounces a few terms	Correct, precise pronunciation of all terms	
Intonation	Voice is low; challenging to hear	Voice fluctuates from low to clear; difficult to hear at times	Voice is clear with few fluctuations; the audience can hear well most of the time	Voice is clear and steady; the audience can hear well at all times	
Length and Pace	Short; less than 30 min	Short 40 min OR long >50	Adequate 40-45 min	Appropriate (45-50 min)	

	Rushed or dragging throughout	Rushed or dragging in parts	Seminar mostly well-paced	Well-paced throughout	

14. Teaching Activities (Pedagogy)

1. Integrative Methods

Lecture — An oral presentation, usually formal in nature, to a group by an individual highly knowledgeable about the subject.

Brainstorming — A process in which students are encouraged to participate by sharing their ideas or suggestions on a subject. No discussion of each point is allowed until important ideas have been expressed.

Group Discussion - A small group comprising of not more than 10 students with each faculty member to discuss on subject related topics.

Office Visit — A face-to-face exchange of information among two or more students, usually at the location of the information provider.

Tutorial- A period of instruction given by a college tutor to the student.

2. Reinforcement Methods

Problem-based learning (PBL) is a student-centred instructional strategy in which students collaboratively solve problems and reflect on their experiences. Student-focused problem- based learning is a self-directed process characterized by the active acquisition of knowledge and problem-solving skills by students that occurs from the process of reasoning towards the understanding or resolution of problems. It results in a usable knowledge database that has been actively acquired and is reinforced through repeated applications. Students are motivated by the internalized reward of discovery and develop a colleague-based learning that will produce pharmacists who have learned to learn and have the ability to apply their knowledge base to the resolution of new and unique problems.

E learning and Computer software's- Use of electronic education technology and a set of instructions or program, that enables a computer to be used to provide educational information, to transmit communication or to aid in decision making.

Self-Directed-Learning- Since self-directed learning is believed to promote lifelong learning so students are motivated to take up self-learning exercises and are also encouraged to make presentations on allotted topics during the regular lecture schedules.

Symposium - An assembly in which a small number makes short presentations of speakers who are knowledgeable about a particular subject. These presentations may range from 20 to 30 minutes each.

Group Discussion - A small group comprising of not more than 10 students with each faculty member to discuss on subject related topics.

Panel Discussion— A gathering at which a panel of individuals discuss a subject in front of students but interact with student members only when those members wish to ask a specific question or clarify a point

under discussion. When a particular point is resolved, the organized discussion among panel members continues.

News Letters — A publication of six pages or fewer, focusing on a broader topic related to the subject that presents instructions, guidelines, or other specific information.

Scientific Poster — A large, printed sheet intended for display and containing words, illustrations, or both to provide general or specific information for broad or targeted students.

Leaflet or flier — Brief, concise printed information focused on a specific program, objective, current event, or other activity and designed to create or enhance awareness.

Pamphlet or booklet — A printed publication that provides more comprehensive information on a subject than a fact sheet, leaflet, or flier.

Journal club — A means of presenting scientific, theoretical, or philosophical information in a professional journal or in a periodical that focuses on a specific discipline, commodity, student, or subject matter.
Flipped classroom-is an instructional strategy and a type of blended learning, which aims to increase student engagement and learning by having the students complete readings at home and work on live problem-solving during class time.
Kahoot- is a game-based learning platform, used as educational technology. "kahoots", are user-generated multiple-choice quizzes that can be accessed via a web browser or the Kahoot app. Kahoot! can be used to review students' knowledge, for formative assessment.

3. Practical Methods

Method demonstration: An explanation of how to implement a practice or accomplish a task by showing a practical application or guiding the learner in carrying out the task.

Result demonstration: A presentation that shows the effects of a practice change or task by means of practical application, using visual, experiential, or oral methods; it usually involves a before-and-after comparison.

Field trip: A planned activity of one-day duration in an outdoor setting for demonstrations; observation of programs, practices, activities, or objects; presentations; or practical experiences.

Workshop: A meeting in which a small group of people with common interests meet to study or research a specific topic or to practice a specific skill to enhance their individual knowledge and proficiency.

Role play: An exercise in which selected members of a group are assigned to play specific roles in a hypothetical or simulated situation followed by discussion among all group members.

Case study: A specific and detailed description of an event, situation, or circumstance that is presented to a student for study and analysis.

Practical Exercise: Statistical Analysis of Data or results — Evaluation, use, or presentation of new or existing data to explain or predict the impact of practice, innovation, input change, or changing conditions and circumstances.

Professional Practice Experience-(PPE): Professional Practice Experience (PPE) is the experience gained during the training period in community pharmacies, healthcare setting, hospitals, and pharmaceutical industries.

Capstone Project:

A project submitted by the students in the fourth year of B. Pharm., based on all round knowledge they have acquired in the four main areas viz., Pharmaceutics, Pharmaceutical Medicinal Chemistry, Natural Products, Pharmacology, Therapeutics and Clinical Pharmacy. This project includes a research work, which the students carry out on recent developments in pharmaceutical sciences.

Facilities for Teaching

Dubai Pharmacy College for Girls has excellent teaching facilities for students. It has four lecture rooms which are equipped with a video projector, computerized digital whiteboard, smart-board a Lap-top, on-line computer and audio-visual facilities. For quizzes and assessment of the student, learning clickers are used in classrooms. DPCG established a virtual learning environment (VLE) available through the Desire2Learn platform, namely Learning Management System (LMS). Most of the exams are conducting online using respondus lockdown browser in Learning Management System (LMS) and Zoom monitoring**.** The students also use the LMS for the submission of the assignments or any other activities and they can check for the plagiarism for their reports by using Turnitin in LMS. The faculties and the students are trained to use the LMS efficiently. Lecture notes are posted on LMS in PowerPoint or Microsoft Word or PDF formats at least 24 hours in advance, so the students are expected to read over the lecture material prior to coming to class. The students have access to the LMS through username and password so that they can communicate with the instructor at any time. Besides these, the College also provides printed hand-outs or notes for the offered courses before the beginning of the next semester so that the students when they join the College should come well prepared in advance.

15. Progress Policy Guidelines

Satisfactory Progress

A student must maintain a semester GPA of 2.00 to be considered making satisfactory progress.

Probation

Students who fail to achieve a semester GPA of 2.00 shall be placed on probation for one semester. If the student achieves a semester GPA of 2.00 or better during the probationary semester, she makes satisfactory progress but has not achieved the required semester GPA of 2.00, the student may continue on probation for one additional semester and will be allowed to appear in the supplementary exams held in September each year for both semesters.

Unsatisfactory Progress

If the student on probation fails to achieve a semester GPA of 2.00 at the end of the first probationary semester, the student will be reported to the Dean as making unsatisfactory progress. The student will be permitted to remain on probation for one additional semester.
A student who fails to achieve a semester GPA of 2.00 at the end of the second consecutive probationary semester shall be reported by the Examination and Evaluation Unit to the Dean's Office as making unsatisfactory progress.

Note: If a student fails to obtain the GPA 2.0 (70%) then she should repeat the course(s) in which unsatisfactory grades (D/D+) are got. In case, failing to improve the grades even after repeating the course(s) those students will be dismissed from the College.

16. Policy for Completion of Undergraduate

A student will be awarded a Bachelor of Pharmacy (BPharm) degree subject to fulfilling the following requirements:

- **Completion of all courses, Professional Practice Experience and Students Graduation Project**
  Students enrolled in this program are exposed to a core professional curriculum that includes the basic biomedical sciences; pharmaceutical sciences; and clinical sciences in addition to general education and elective courses. The curriculum, which is offered through 160 credit hours (CH), is organized to include 104 CH core requirement courses, 8 CH elective courses and 21 CH general education courses, 24 CH of Professional Practice Experience, 1 CH Industrial training and 2 CH Capstone Project.

- **Maintain a CGPA of at least 2.0 on a 4.0 scale.**

- **Minimum and maximum periods of enrolment for the completion**
  The minimum duration required for completion of the BPharm program is 4 .5 years, and the maximum period should not exceed 7.5 years.

17.Student Rights & Responsibilities

Statement of Student Rights and Responsibilities

Every student who enrolls at DPCG has a right to a student-centered education, research and services. Students should positively contribute to the safe learning environment by maintaining high standards of integrity and academic honesty at the same time, familiarizing themselves with and adhere to all policies and regulations of the College.

Student Rights

For a registered student in Dubai Pharmacy College for Girls, the rights are:

1. Obtain pharmacy education according to a well-established educational program and in a suitable educational environment.
2. Attend theory and practical classes regularly and participate in scientific discussions held in the class as directed by the faculty.

3. Participate in all students' activities sponsored by the Student Union.
4. Benefit from facilities offered by the College such as a library, hostel, transportation, and others.
5. Get the identity card issued annually from the College after payment of its fees to prove that she is a student in the College.
6. Appear in all examinations and evaluations conducted according to the regulations of the College.
7. Get health care facility in case of emergency and first aid only. The College will not be responsible for the expenses of treatment in any case, and only transportation can be provided to and from medical clinics in Dubai.
8. Get social care services offered by the College.
9. Have a residence visa sponsored by the College for hostel students as per the rules. The student will bear all expenses for her residence visa.
10. Get the following certificates from the College:
    a. An annual certificate to prove that she is studying in the College.
    b. A certificate to prove her academic level which she obtained as per the College records
    c. A certificate for the expenses required for her college study.
    d. A certificate for her good behavior and discipline in the College
    e. A graduation certificate after she fulfils all the requirements needed for graduation as per college rules.
    f. A release certificate from the College

Note: All the certificates mentioned above in (10 a to f) should be issued as per the College rules and according to the requirements of the student. The first copy of all certificates issued will be free of charge. If the student needs another copy, then it will be given by charging a nominal fee fixed by the College. But photocopies (like the original) of certificates will be given free of charge.

Student's Responsibilities

The duties of the students are:

1. Do her best to achieve the goals set by the College, as mentioned in the regulations of the College.
2. Do her best to achieve a high level of scientific and educational standard. To achieve the desired level, she should not hesitate in taking help from the administration, the Dean and staff members of the College so that there is no hindrance in her way.
3. Follow all the rules and regulations of the College for academic and scientific activities.
4. Participate positively in evaluating the College development and performance by giving advice and written suggestions to the College administration in the questionnaire annually or by other means.
5. Handle all the properties of the College, like instruments, equipment etc., carefully.
6. Be cooperative in adopting all the College principles, especially the following:
    (a) To wear Islamic *Hijab*
    (b) To be punctual in offering prayers
    (c) To maintain a good relationship with her colleagues
7. Inform the College administration or the Dean about misbehavior or any mistakes committed by any student, which may give a bad reputation to the College.
8. Pay the fees regularly as required by the College.
9. All the students must follow the rules relating to attendance, and any non-compliance will lead to consequences mentioned in the attendance policy mentioned in the Student Handbook.
10. Regulation of Student Behavior: The guidelines and procedures for roles and responsibilities of students documented in DPCG Policies and Procedure Manual E. Students will be applicable for

distance learning. As an additional guideline specifically for distance learning, DPCG will follow Student Behavior Management Distance Learning 2020 as provided by the Ministry of Education, UAE. This shall be communicated with students, faculty, and staff.

18. Students Grievance and Appeal Policy

Informal Resolution:

Any student in DPCG who believes that she has been treated inequitably is encouraged to resolve the matter informally. The student should first talk with the person or group at whom the grievance is directed to resolve the issue informally.

A. Grievance Policy

The grievance policy at DPCG refers to providing a supportive environment for students and being responsive to their concerns when they are raised. The College 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 to whom the grievance is directed to resolve the issue. If no consensus is agreed upon then the student should file a formal grievance.

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 task force for investigation and recommendation within seven working days from the date of receiving the request. These recommendations are shared with the university 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 Dean of the College within five working days. For further details about the procedure, please refer to the DPCG Student handbook.

B. Appeals Policy

Appeals policy at the DPCG 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 Dean of the college through the online Student voice form. Student Affairs will review the appeal and refer it with all previous documentation to the Dean. The ADAA is kept copied on the appeal request even if it is nonacademic. For further

details about the procedure, please refer to the DPCG Student handbook.

19. Student Misconduct, Disciplinary Measures And Academic Integrity Guidelines

Students attending DPCG are awarded academic degrees in recognition of successful completion of course work in the study of medicine. Each student is expected to earn her degree on the basis of personal effort. Consequently, 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 college community and will be punishable, according to the seriousness of the offense, in conformity with established rules and procedures.

Definitions:

a) **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 paraphrasing from a published text. Plagiarism also consists of passing off one's own segments or the total of another person's work.

b) **Cheating** - Cheating is defined as the unauthorized granting or receiving of aid during the prescribed period of a graded exercise.

c) **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.

d) **Collusion:** This offence is the joint production with another person or persons of an assessment that contributes to a unit grade where this is not permissible in the assessment task.

e) **Fabrication:** This offence consists of the presentation of any false or fabricated information, results or conclusions in any form of assessment, including practical work, field studies, number of hours (including practice hours) completed, oral presentations, interviews and reports on work placements.

For offences, details on academic integrity, plagiarism, definitions, misconduct and disciplinary policies and offences please refer to the DPCG 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 teaching and research by its authorized users. For details, please refer to the DPCG Student Handbook.

20.Education Support Facilities

Dubai Pharmacy College for Girls (DPCG) provides all educational support facilities to its students. The students get the best scientific training and knowledge which will make them eligible as pharmacists to boost the vast scientific and industrial development of U.A.E.

COLLEGE BUILDING

The College building, on the ground floor, has 2 laboratories, administrative and faculty offices, a meeting room, examination control room and a reception section. On the first floor, are housed one laboratory, four lecture rooms, student's affair office, student advisory office, students' common room, and students printing office. In addition, the DPCG LTC building includes in the first floor: 2 laboratories, a model pharmacy with a drug information center and LMS examination Hall equipped by computer. Besides the above facilities, the College is supported by a Central Lab. The second floor of LTC with main examination hall and the main library.

LABORATORY AND INSTRUMENTATION FACILITIES

DPCG and DMCG Laboratories:

Biochemistry Laboratory:	This facilitates training in laboratory diagnostics such as balances, centrifuge machines, ovens, water baths, a pH meter, a thermal cycler, an electrophoresis, a UV camera, spectrophotometers and so forth. Reagents, chemicals, glassware, and pipettes are necessary for biochemical and molecular tests and experiments.
Anatomy Laboratory	This facility is equipped with cadavers preserved in formalin in addition to plastinated organs, plastinated sections, plastic models, human bones, skeletons, X-rays, CT scans & MRIs and interactive audiovisual aids.
Physiology Laboratory	This facility is equipped with state-of-the-art teaching facilities like Power Lab software, a Bio Pack System, ECG apparatus, Stethoscopes, Hemocytometer, Respirometer, Sphygmomanometer, Oscillograph, Wester green tubes, Korr system, cardiac monitor, Life form with a speaker, Coagulometer, Snellen chart, Ishihara chart, and Kymographs, sports lab.
Microbiology Laboratory	This facility is equipped with sterilization devices, incubators, ovens, centrifuges, microbe culturing plates, culturing media, light microscopes, explanatory slides, and videos for practical sessions.

Pharmaceutics Laboratory	This lab provides students with facilities to: • Analyze and integrate information in pharmaceutics and pharmaceutical technology for developing all conventional drug delivery systems. • Apply compounding, calculation, numerical, and labeling skills relevant to pharmaceutics courses. • Evaluate and interpret pharmaceutical information and data to develop stable, safe & effective drug delivery systems to give the desired outcomes. • Introduce the students to fundamental concepts and techniques involved in the pharmaceutical industry.
Bioactive Natural Products Research Laboratory:	This lab provides students and faculty members with facilities to: • Carry out different standardization and analysis of natural and synthetic drugs
Pharmaceutical Chemistry Laboratory:	This lab provides students with facilities to: • Safely handle laboratory chemicals and equipment and use efficient laboratory techniques for organic and medicinal chemistry practical sessions. • Prepare, standardize, and store analytical solutions. • Analyze qualitatively and quantitatively the organic compounds, raw materials, and pharmaceutical products. • Synthesize medicinal agents and characterize the resultant products. • Analyze the active constituents quantitatively.
Pharmacology Laboratory	This lab provides students with facilities to: • Perform and/or simulate experiments on the pharmacological actions of drugs. • Correlate the didactic teachings with practical applications. • Extrapolate the experimental data on drugs to their clinical application in the pharmacy and hospital.
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.
Central Research Laboratory	**T**his lab has three divisions: • Instrumental Analysis • Microbiology • Blood analysis This lab provides students with facilities to: Develop skills in the safe handling and operating of instruments. Prepare sample/standard solutions required to analyze pharmaceutical raw materials and products using different types of instruments. Perform quality control analysis of pharmaceutical products. Demonstrate safe practices in a microbiology laboratory. Transfer living microbes using aseptic technique. Demonstrate proficiency and use of the following in the laboratory: streak plate isolation technique; bacterial staining techniques; wet mounts; and proper culture handling. Visually recognize and explain the macroscopic and microscopic characteristics of fungi, protozoa, and bacteria. Identify, explain function, and use common culture media properly. Identify unknown bacteria using biochemical and immunologic testing. Evaluate the Antimicrobial Activities of Natural products and medicinal agents in UAE. Develop research skills for the analysis of blood and urine samples and toxicological research.
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 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.

Simulation Center

Simulation Center is currently a functional unit under the Academic Affairs Department, and an active learning resource of the College. 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'

AUDITORIUM

A well-furnished auditorium, located in DMCG, is spacious and suitable for any cultural occasion. It has become a regular venue for all social and cultural activities of DPCG.

STUDY ROOMS

DPCG provides study room facilities for its students, which may be utilized by them in their break hours and also by hostel students after class hours. These study rooms are in Library and are well furnished with all the required facilities. The students have easy access to these study rooms and are free to use all facilities present there like computers with Internet and Journals.

Library

The Library or Learning Resource Centre (LRC) situated at LTC bui ldingis 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 keeping in mind the subject areas of medicine, pharmacy, and nursing programs. 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.

Details of Library:

Print Collection:	4,000+Titles
Electronic Databases	8
Reading rooms for small group study	3
Cubicles for individual study:	6
Number of seats:	82
Number of computers	30
Library opening hours	· Monday - Thursday 7.30am – 8.00pm · Friday 7:30am- 12:00pm · Saturday Sunday open only Graduate students. · The library will remain closed on public holidays.

Opening hours:

Monday - Thursday	7.30am – 08:00 pm
Friday	07:30 am – 12:00 pm
Sunday	10:30 am - 03:30 pm

Learning Management System (LMS)

The DPCG 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.

The student will be provided with a unique username and password which will allow her to login to the LMS system.

On the LMS system the student can do the following:

- Read the updated news from the DPCG 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 "@D2l friend of students" to find material, video, documents, and tutorials on how to use our LMS.

COMPUTER LABORATORY

The Computer Laboratory is helpful in the teaching of English language, computer science, pharmacy practice, pharmaceutical care, therapeutics, and clinical pharmacy courses. The Computer Laboratory, well equipped with computers, has Internet connections along with auditory systems. Besides this Computer Laboratory, the College enjoys full technical guidance, support, and know-how from the Information Technology (IT) department, which is its sister organization and is adjacent to DPCG campus.

The mission of the I.T. department is to provide computer support, awareness, and training services throughout the year to faculty, administrative staff and students. It also has a laboratory which is well equipped and is freely available for use. It is monitored by well-qualified staff to render help and assistance.

ACCOMMODATION FACILITIES

DPCG provides hostel facility for students who apply for it. It is close to the College and has well-furnished bedrooms, dining room, study room and all the required facilities. Besides these facilities, internet connection is available in each room to aid them in preparing their notes and seminars. On each floor of the hostel, there is a provision for prayer and a gymnasium club. Students can obtain advice on accommodation from the hostel Supervisor.

HEALTH CARE FACILITIES

The College arranges to provide health care facilities to students living in hostels. DPCG has a contract for health care with its sister organization Dubai Medical Centre (DMC) and Dubai Medical University Hospital. DMC doctors do periodical checkups for all the students. Those found ill are taken care of by them. In severe cases, the hostel authorities send the resident students to Dubai Government hospitals.

STUDENT COUNSELING SERVICES

Students who experience personal, emotional, and social difficulties may need counseling or support. DPCG provides students with counseling services through a trained student counselor who helps them to come up with a wide variety of student matters.

TRANSPORTATION FACILITIES

DPCG has special minibuses for transporting students from Sharjah, Ajman, Dubai and hostel. These buses are fully air-conditioned and quite comfortable. They are used for field trips and educational tours too.

MOSQUES

The College has mosques inside its campus for faculty, staff and female students which sustains the Islamic atmosphere in the College.

DINING SERVICES

The cafeteria adjoining the College is spacious and hygienic. It offers food and beverages of students' choice. Thus it's a rendezvous for students to relax and enjoy during breaks.

RECREATIONAL FACILITIES

In the campus, there is a swimming pool, basketball court and gymnasium club. These facilities help the students in maintaining proper physical fitness.

21. Students' Support Services

STUDENT UNION

There is a "Students' Union" consisting of members from the student community elected from all years of BPharm. Elections are held regularly at the beginning of each academic year.

The Student Union serves as the principal student programming organization at DPCG. It is responsible for providing a balanced program of social, religious, recreational, and cultural activities for the College, aiming to make free time activity a cooperative facet with the study. The Student Union also helps to maintain close links between the College administration, faculty, and the students, which are essential for the efficient functioning of the College.

ACADEMIC ADVISING AND MENTORING

Students are allotted faculty members for academic advising / mentoring. The faculty-Advisor who is assigned to a study group of students; guides in matters pertaining to their study plan, student development, the curriculum, and other academic affairs. The advisor helps the student to organize her study plan and supervises its implementation and assists her in overcoming any difficulties related to it.

Faculty-Advisor identifies students making unsatisfactory progress in each class, and remedial classes are arranged to improve their GPA. He/ She also advises the student about the introduction of the credit hour system and its requirements for graduation to obtain a Degree in Pharmacy.

Faculty Advisors will maintain a student record based on student's dress code, attendance in classes, academic performance (GPA/ CGPA) and conduct in college. They also provide information about programs, services, facilities, and involvement opportunities that support academic success and lifelong learning, which facilitate responsible life choices, and promote awareness of self and community. It has a specific mission but one common goal: to provide academic advising, outreach, and support.

STUDENTS COUNSELING SERVICES

DPCG provides students with counseling services through a trained student counselor. She provides personal counseling to the students concerning their personal, social, and moral problems, which may cause hindrance in the way to the students' success. Personal counseling to students is provided by prior appointment with the Counselor during the College working hours.

Periodically, group counseling sessions are also arranged in each academic year. The announcement of such sessions, giving the time, date and venue, is made via the College bulletin boards. Make it a habit to attend these counseling sessions on the due dates.

STUDENTS CAREER PLANNING SERVICES

DPCG provides career counseling to its students regarding career information and planning, career development, testing and prospective job placement. DPCG also provides assistance to develop the different skills necessary to start a career in various pharmaceutical settings.

Career Guidance sessions at DPCG are provided to the 4th year BPharm students on individual and/group basis with prior appointment with one of the personnel; Dean, Head of Alumni Affairs / Head of Professional Practice Experience Unit. They guide the students about the availability of the opportunities to help them decide on their future. They will serve to ensure the:

1. Preparation for MOH exams.
2. Self-improvement program for career development.
3. Availability of Jobs in different fields of Pharmacy practice.
4. Counseling for postgraduate and further studies.

22. Glossary of Terms

Unit System
DPCG uses the course unit system which is based on the required number of hours of instruction to be successfully completed according to the standards set by the College to obtain University degree i.e. Bachelor of Pharmacy.

Credit Hour
Credit hour refers to one lecture hour per week lasting for minimum 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.

Course
Each course is a program of study presented in lectures and practical with a fixed number of credit hours taught in one semester mentioned in the curriculum.

Curriculum
The curriculum is a total description for the BPharm. program and explains the following:

- Detailed syllabus of integrated courses that fulfill the requirements for BPharm. Degree.
- Professional Practice Experience as required for BPharm. Degree.

Pre-requisite
It refers to each course which is found necessary for each student to complete successfully before being allowed to register in a subsequent one, e.g., Pharmaceutical Organic Chemistry I is made a pre-requisite for Pharmaceutical Organic Chemistry-II.

Study load
Study load in DPCG means the number of credit hours a student is registered for and must attend weekly classes. In DPCG despite introducing a credit hours system, the load is according to the timetable fixed for each class. The only provision given to the student will be the minimum credit hours out of the total that they must successfully complete each semester to be promoted to the next semester.

Course Types

a. An **elective** is a course chosen by a student listed from different areas available during the study period.
b. **General education** is a course offering within the following areas such as Islamic studies, English, Mathematics, etc.
c. A **core requirement** course is a course within a major, which is essential and must be satisfactorily completed to fulfil the requirements of the specific departments.
d. **Professional Practice Experience** provides an opportunity for a student to have work experience in community, industry and hospital pharmacies and must be satisfactorily completed to fulfill the requirements of the program.
e. **Capstone Project:** A project submitted by the students in the fourth year of B. Pharm., based on all-round knowledge they have acquired in the four main areas. This project includes research work, which the students carry out on recent developments in pharmaceutical sciences.

Appendix A: Professional Practice Experience

23. Internship

Purpose

The aim of this procedure is to make sure that the students of DPCG get adequate experience in various pharmacy practice settings such as Community Pharmacies, health care setting, Pharmaceutical Industries and Hospitals, to achieve the mission of the College. Professional Practice Experience (PPE) in pharmacy education is rapidly gaining recognition as it enriches undergraduate curriculum and bridges theory to application.

Scope of Application

This procedure applies to all the DPCG students, Student's Professional Practice Experience Unit, comprising of a Head, Members, Administrative Staff and the Staff in Community, Pharmaceutical Industry, and various hospitals responsible for the implementation of this procedure.

Definitions

IPPE01: Introductory Professional Practice Experience for 200 hours during summer Semester in second year of B. Pharm.
IPPE02: Introductory Professional Practice Experience and healthcare setting for 120 hours during summer Semester in Third year of B. Pharm.
APPE: Advanced Professional Practice Experience in Hospitals for 640 hours during Fall Semester of Fifth year of B. Pharm.
INTR: Industrial Training: for 40 hours during hours during summer Semester in Third year of B. Pharm.
Logbooks: The College supplies it to the students, which is an instructional manual with queries regarding Professional Practice Experience in different pharmacy practice settings.

Responsibility for Application

Head, Student's Professional Practice Experience Unit.

Process

As the pharmacy profession has moved from the traditional product to patient orientation, curricula within the schools and Colleges of pharmacy have evolved to introduce more experiential course work to foster this patient orientation. This change has been supported by the philosophy of pharmaceutical care that encourages pharmacists to assume a patient advocacy role in optimizing a patient's drug therapy while minimizing the adverse effects of the medication**.** The role of experiential education is to hasten and enhance the development of the student's ability to provide pharmaceutical care.

Professional Practice Experience, being an integral part of DPCG education program, has been given more emphasis to improve its implementation in the present curriculum and the number of hours has been rescheduled to 1050 to be distributed as follows:

I. Introductory Professional Practice Experience (IPPE 01) in **Community Pharmacy** for not less than **200 hrs.**

II. Introductory Professional Practice Experience (IPPE 02) in **healthcare setting** for not less than **120 hrs.**
III. Industrial Training (INTR) in **the Pharmaceutical Industry** for **not less than 40 hrs.**
IV. Advanced Professional **Practice Experience** (APPE) **in Hospitals** for **not less than 640 hrs.**

Introductory Professional Practice Experience Test (PPET)
During IPPE01 training, students will be evaluated weekly based upon daily activities by a pharmacist. Students will be assigned 4 assignments and will be evaluated by the DPCG preceptor and pharmacist. After completing 100 hours, the student will be evaluated in the pharmacy by DPCG preceptor (midterm evaluation). After completion of 200 hours of training, students will be evaluated (End term evaluation). It will be helpful to assess their knowledge and training outcomes considering accomplishing the training goals' output.

Evaluation of PPE
At the end of each of IPPE001, IPPE02, and APPE the students must answer a questionnaire. The college Supervisor will collect these questionnaires and co-ordinate the results. The results of this study will be discussed in the College Academic Council Meeting and the Advisory Committee for any improvements in Professional Practice in Community, Hospitals and Pharmaceutical Industry if considered necessary.

Logbooks
- Each student will be provided with a Logbook at the start of each PPE.
- The main objective of the Logbook is to achieve the goals of IPPE.
- Logbook is a manual designed by Dubai Pharmacy College, which is to be filled by the student during Professional Practice.
- Every Student should have her own “Logbook” to write down daily activities during the PPE.
- The College Supervisor will provide the student with the procedure for filling out the Logbook.
- The student should submit the Logbook to the College supervisor at the end of her Professional Practice.

Student’s Responsibility: The student must be informed before each IPPE about her responsibilities which are as follows:
1. She must exhibit a professional appearance in manner and dress and adhere at all times to the standards of dress behaviour.
2. She must wear her name badge at all time during PPE.
3. She must regard all information and activities relating to the pharmacy, the medical community and customers to be confidential and, under no circumstances will such knowledge be revealed to anyone.
4. She must keep in mind that the primary aim of PPE is learning. Learning is not a passive process but requires a continuous, active commitment.
5. She should recognize that the best learning environment is one that fosters mutual respect and courtesy between the trainee and preceptor.
6. She should never question the preceptor's advice or directions in public, personnel, but rather accept it as a means of learning.

7. She should never be hesitant to admit that something is unknown to her and seek help whenever needed.
8. She should be aware of all laws and rules which govern her practice and should seek clarification of any points which are not clear.
9. If she is regularly asked to violate laws or has knowledge that the pharmacy where she is employed violates such laws, she should immediately report and ask for a change of PPE site or the preceptor. She shall report within five days after the end of each PPE to PPE Coordinator.

A. Introductory Professional Practice Experience (IPPE 01)

It is taken by the students in one or more Community Pharmacies selected by IPPE coordinator during the summer semester at the second year of B. Pharm. under course heading IPPE01. The duration of the training is 200 hours.

Introductory practice experiences are intended to introduce the student to pharmaceutical care. Service learning and shadowing are two types of experiences that accomplish this goal.

Service-learning allows students to participate in service projects that meet the community's needs, foster a sense of caring for others, and lead to student learning through communication and professionalism. Therefore, there are reciprocal benefits for both the community and pharmacy students. The development of caring relationships during service-learning prepares students for establishing conventional patient caring relationships.

Shadowing, another type of introductory practice experience involves observing practitioners conducting pharmaceutical services in the community pharmacy.

Regular visits, at least once, will be done by the faculty member of DPCG to monitor the students training progress as per the predefined learning objectives and have discussions with preceptors and students. The monitoring can also be done by contacting the student's preceptors via phone, fax, and email.

Learning Outcomes
On completion of the Introductory Professional Practice Experience (IPPE01) in one or more Community Pharmacies, the students will be able to:

LO1: Outline the pharmacist role and responsibilities and licensing procedure.
LO2: Describe the organization and layout of the community pharmacy.
LO3: Identify the process of prescription and dispensing.
LO4: Identify the formulation and dosage forms of the most used medication.
LO5: List out different medication delivery aids to treat respiratory disorders.
LO6: Discuss the process of Disposal of expired medication and Refund policies.
LO7: Adapt constantly to advances in information technology at the workplace.
LO8: Describe the function of financial accounting and balance sheet recording.
LO9: observe and describe the medical insurance process.
LO10. Demonstrate prescription screening for drug-related problems and methods to resolve dispensing errors.

LO11. Identify drug formulary and essential drug list according to WHO and UAE national Drug list.
LO12. Identify the product name, the active ingredient, adult dose, warning, and cost of drugs used in common health condition.
LO13. Identify and verify the dose, drug interaction and potentiation drug-related problem of prescribed medication.
LO14. List out and identify drug brand, generic name, dose and mechanism of action of several drug.
LO15. Prepare patient information leaflet for a multiple-dose inhaler, insulin injection.
LO16. Describe pharmacovigilance and list a few products that require ADR monitoring and reporting.

Supervision of IPPE01

Introductory IPPE is carried out under the College supervisor's supervision (Member of Student Professional Practice Experience Unit) and a preceptor at the IPPE site who plays a positive role model for students who possess the following characteristics.

Preceptor's characteristics

The Preceptor or the Pharmacist should:

1. Have a minimum of one year of professional experience.
2. Be involved in professional organizations.
3. Be competent in the area of practice.
4. Take personal responsibility for patient outcomes.
5. Utilize clinical and scientific knowledge in clinical care decision – making.
6. Demonstrate the ability to have the latest scientific knowledge in the Pharmaceutical field.
7. Demonstrate a desire and an aptitude for teaching.
8. Demonstrate the ability to assess and document student performance.
9. Practice continuous professional development and collaborate with other healthcare professionals as a member of a team.
10. Demonstrate a commitment to his/ her organization, professional society and community.

Role of Preceptor

- ✓ To be a learning resource for the pharmacy student who receives the necessary training to develop skills and competencies as a community pharmacist.
- ✓ To guide the pharmacy student throughout ***five weeks of training***.
- ✓ To be a role model as a professional pharmacist to the pharmacy student.
- ✓ To provide professional services and constructive feedback during the training.
- ✓ To assess pharmacy student performances during the training period.

Steps for Introductory IPPE 01

1. PPE coordinator asks all students to suggest at least two community pharmacies of their choice with the pharmacists' name and qualification working in these pharmacies.
2. The coordinator collects all the students before IPPE and gives them the Log Book.
3. PPE coordinator explains the objectives of IPPE01 and student's responsibility during IPPE and also provide information to each student about the selected preceptor.
4. Each student receives a letter signed by IPPE01 coordinator and the Dean for the preceptor, which has the starting date and completion date of PPE.

5. After completing IPPE01 the Coordinator receives Preceptor's reports and Evaluation sheets and sends them to the Evaluation and Examination Unit.

Assessment and Evaluation	
Assessment Tool	**Score Distribution (%)**
Assessment of daily activities **(Site Preceptor-Community pharmacist)**	30
Assignment **(Faculty preceptor)**	10
Presentation **(Faculty preceptor)**	10
Mid rotation competencies evaluation (Faculty preceptor)	20
End of rotation competencies evaluation **(Faculty preceptor)**	30

B. Industrial Training (INTR)

It is taken by the students during the spring semester of B. Pharm. 4th year in Drug manufacturing industries of U.A.E., which should meet the following requirements:

1. Should apply GMP.
2. Should have a manufacturing capacity of all types of pharmaceutical products, a well-developed R & D. section, a good Quality Control department and well-arranged storage facilities.
3. Should have a licensed MOH Pharmacist in Production and Quality Control department.
4. Should be functional and operative.

Learning objectives of the Industrial Professional Practice Experience are:

LO1. Identify the role of Pharmaceutical Industries to produce quality medicines on large scale.
LO2. Identify different types of machinery used for manufacturing formulations such as compression, granulation, packing, etc.
LO3. Explain the working of different types of equipment used for the analysis of raw materials, in-process, and finished products.
LO4. Explain the production and packaging of liquid dosage forms, solid dosage forms, semisolid dosage forms, parenteral and sterile dosage forms.
LO5. Describe formulation development process as per the requirement of regulatory bodies.
LO6. Discuss raw materials and finished product handling in the Pharma industry – warehouse, supply chain, dispatch, and stores.
LO7. Recognize cGMP procedures followed by pharmaceutical industries.
LO8. Identify the corrective steps for troubleshooting in product manufacture.
LO9. Interpret the given laboratory data concerning stability and performance factors that influence drug stability.
LO10. Take initiative to learn, self-evaluate, discuss with peers and faculty for self-improvement.
LO11. Demonstrate ability to independently solve problems/conflicts at the workplace.

Supervisors for Industrial Training

Supervisors for the Pharmaceutical Industrial Training
The INTR is monitored under supervision of:

- College Supervisor: Pharmaceutics Department, DPCG.
- Industry Supervisor: Training Center, Drug Manufacturing Industry.

Role & Responsibilities

a. College Supervisor

- ✓ To prepare a list of students eligible for the IPT.
- ✓ To send the list of students to the Industry Supervisor.
- ✓ To co-ordinate with the Industry Supervisor for:
- ✓ Student's transportation from College to Industry and back.
- ✓ Monitoring the training program.
- ✓ Solving any problem hindering proper training.
- ✓ Monitor student's attendance.
- ✓ To attend students' presentation in the industry.

b. Industry Supervisor:

- ✓ To prepare a training program meeting the following requirements,
- ✓ To identify the Units in the Industry where training will take place as per the prescribed schedule.
- ✓ To identify the person responsible for marking the attendance of students during the training program.
- ✓ To determine the mode of PIT and appoint the person responsible for monitoring the training program.
- ✓ Fulfilment of 40 hours in the industry.
- ✓ To submit each student a copy of the Academic Industrial Training Manual.
- ✓ To submit a report to the College Supervisor about the students' attendance.
- ✓ To submit a report on student's assessment to the College Supervisor at the end of the training in the Pharmaceutical Industry.
- ✓ At the end of the PIT, the Taring Center in the Industry offers the students a verified certificate indicating their completion of the training program.

Evaluation of students receiving Industrial Training.

S. No.	***Assessment Category***	***Assessment (marks)***
a.	Punctuality (attendance, discipline etc.) (Full attendance = 10; 1 day absent = 8; 2 days or more = 6)	10
b.	Daily Written Report-logbook (knowledge gained about basic pharmaceutical technology)	20
c.	Tutorial session at the end of the day (level of understanding the role of pharmacist in the pharmaceutical technology)	10
d.	Written Final Exam (MCQs)	30
e.	Student Assignment (written report) and Presentation	20

For submission = 10 For presenting = 10

AVERAGE of TOTAL	100

C. Introductory Professional Practice Experience-Health care setting (IPPE-02)

It is taken by the students in the summer semester of 3rd B. Pharm under the course heading IPPE02. Hospital training is taken in a healthcare setting. The IPPE02 Coordinator selects the healthcare setting, and it should meet the following requirements:

a. The Ministry of Health, U.A.E. or Dubai should have approved the hospital.
b. All activities related to patients must be computerized.

Learning Outcomes of Introductory Professional Practice Experience (IPPE02)

LO1- Describe the hospital pharmacy operations and drug distribution services.

LO2- Identify and use appropriate drug information sources and apply that information to respond to drug information services.

LO3- Provide pharmaceutical care services to clients of various healthcare setting.

LO4- Provide medication therapy management services in a various practice setting.

LO5- Describe the operations and functions of various regulatory centers in the healthcare system.

LO6- Demonstrate self-learning skills, problem-solving, and critical thinking abilities to advance professional services.

Criteria of a Field Preceptor

The filed preceptor should have not less than 2 years of experience as a registered practicing/administrative pharmacist in UAE.

Responsibilities of filed Supervisors

- ✓ To be a learning resource for the pharmacy student who receives the necessary training to develop skills and competencies as pharmacist.
- ✓ To guide the pharmacy student throughout the respective areas of training.
- ✓ To be a role model as a professional pharmacist to the pharmacy student.
- ✓ To provide professional services and constructive feedback during the training.
- ✓ To assess pharmacy student performances during the training period.

Preceptors' assessment and evaluation

Assessment: The pharmacist will assess the students' performance during the training at the chosen healthcare setting sites and DPCG preceptor (academic staff of the DPCG). The assessment will be based on a daily activity on reflective diary, the pharmacist and the DPCG preceptor write student reports and

assessment.

Assessment and Evaluation	
Assessment Tool	**Score Distribution (%)**
Daily activity performance evaluation	50
Assignment 1 - organization and operational activities in Hospital pharmacy	10
Assignment 2 - Role of Pharmacist in Rehabilitation centers	10
Assignment 3- Role of Pharmacist in regulatory affairs	10
Presentation Group	10
End of rotation evaluation	10

Post-placement evaluation and assessment

The field preceptor should fill in post- placement evaluation and assessment once the students completed the attachment.

The Assessment by Activities, Overall Student's Performance Assessment and Post Placement Evaluation - Preceptor should be sent directly to us by any of the methods below: -

a) Scan and Email: dr.ammar@dpc.edu OR amarali20142015@gmail.com
b) Mobile: +971555163220. Attn to: Dr. Ammar Ali Saleh Jaber
c) Postage mail to:
Dr Ammar Ali Saleh Jaber
Dubai Pharmacy College for Girls

C. Advance Professional Practice Experience in Hospitals (APPE)

It is taken by students in the fall semester of B.Pharm (9th semester). Under course heading APPE. Students will spend 8 weeks in Clinical setting (patient wards) and 8 weeks in Clinics-based rotation during a hospital pharmacy clerkship. Clinical setting rotation areas include internal medicine and intensive care unit. Moreover, clinics-based rotation areas include ambulatory care/primary health care and, Inpatient/outpatient rotation, as shown in the table below:

Clerkship		**Duration (Weeks)**	**Credit Hours**
Rotation 1 AP01-IM	Internal Medicine	4	4
Rotation 2 AP02-ICU	Intensive Care Unit	4	4
Rotation 3 AP03-AC	Ambulatory Care and Primary Health care	4	4
Rotation 4 AP04-IP	Inpatient/outpatient rotation	4	4
Credit Hours (Total)			**16 (640 hours)**

General Goals and Objectives

- To develop a sufficient, relevant, and experiential knowledge base to utilize appropriate

resources necessary to provide direct patient care regarding individualized Therapeutic planning, intervention, and evaluation.

- To master the clinical skills necessary to assume accountability and responsibility for therapeutic outcomes in providing pharmaceutical care.
- To develop professional and interpersonal skills as a team of health care providers necessary for the provision of optimal patient care and pharmacy services.

Student`s Responsibility

- The student should exhibit a professional appearance both in manner and dress and adhere to the attachment site's dress and behaviour standards. The student should be well-groomed and dressed in professional attire, laboratory jacket/coat, an identification badge/name tag; students should dress decently as per the Emirati standards.
- Hospital pharmacy policies and procedures are specific to each Institution. The student must always abide by these policies and procedures.
- Any information about a hospital and/or a hospital pharmacy's operation must be considered confidential and is not to be discussed with other students or with anyone other than the instructors and the faculty members in charge of the educational program.
- Any information about a patient's illness or medication is confidential and is not to be discussed with anyone other than the instructor, other pharmacists on duty, and when in the patient's best interest, with health professionals providing care to that patient.
- The student must perform assignments and be involved in activities related to the functions of the units. It may be necessary at times to devote more than scheduled time while participating in these activities.
- The student must commit to an active learning process. Learning, especially in the attachment setting, requires initiative, enthusiasm, and active participation on behalf of the student.
- The student should never hesitate to admit a lack of knowledge in an area and seek appropriate individuals' assistance.
- The student should never question the instructor's advice or directions in public, in front of the other students or staff members. Disagreements must be discussed in private.
- Comments and criticism of the student by the instructor should be viewed as a means of learning and not as a personal embarrassment.
- The students should not perform dispensing functions, make professional decisions, or communicate with patients and/or health professionals without instructions from the preceptor.
- Attendance at the hospital during the institutional attachment is mandatory. The student must notify in advance the Training in charge at the hospital if tardiness or an absence is anticipated. The student having unexcused absences will be subject to appropriate action by the Dubai Pharmacy College.
- The students must summarize each rotation area's working procedures, the role of the pharmacist in each area, and suggestions for improvement to achieve optimal patient care.

Duties And Responsibilities

- This is primarily aimed to guide the respective preceptors and students in their role and

responsibilities. This is crucial since the success of the attachment depends on the implementation, and this is vital in ensuring all the above objectives are achieved.

Responsibilities of the preceptor

- The preceptor should attempt to instill the principles of professional ethics by deeds as well as word.
- The preceptor should always explain, in detail, what is expected of a student, in way of performance, appearance, attitude, and method of practice.
- The preceptor must always insist on communication with the student and be willing to discuss any aspect of practice that does not violate responsibility to his patients, the employer, or professional ethics.
- The preceptor should be aware, always, that his/her role is that of a teacher.
- The preceptor should afford the student the mutual respect and patience needed for the optimal learning experience.
- The preceptor should not assume a student's competency but determine it by reviewing his/her work profile through discussion and experience.
- Criticism should be constructive and empathetic and conveyed to the student either privately, or in an appropriate manner.
- The preceptor should strive to stimulate the student's interest in all aspects of the practice.
- The preceptor should be respectful, always, of fellow practitioners and members of the allied health professions.
- The preceptor should familiarize him/herself with the material contained in the Manual for the clerkship Experience rotations.
- Preceptors should review the student's progress periodically and share the results with the student. Preceptors should be especially certain to inform students of weaknesses as early as possible.

Prerequisites for all rotations

- Successful completion of all required core curriculum courses in professional years. This means that a student must complete all required pharmacy courses before beginning the clerkship rotations.

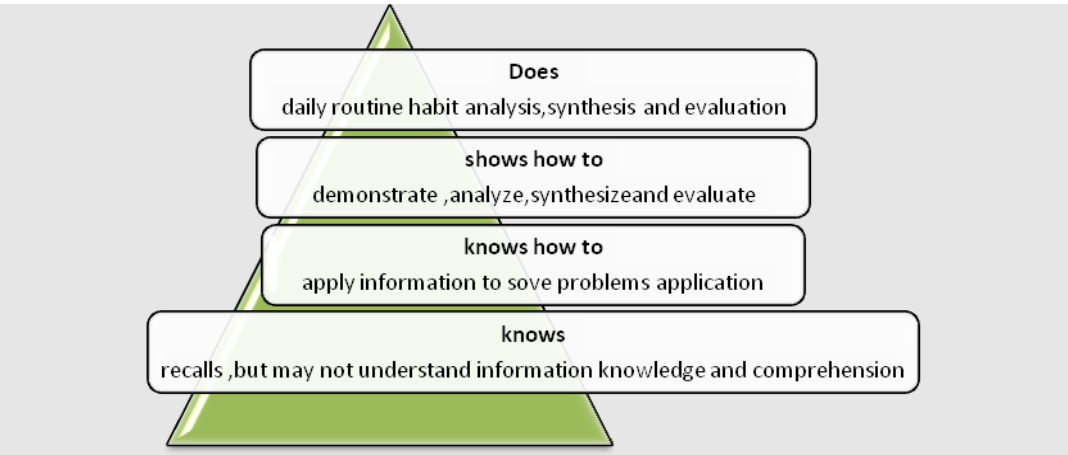
Placement:

1. Duration of stay at each of the above units/services is arranged depending on the magnitude of the activities and the emphasis of the students' exposure. It may vary differently from each hospital according to the needs and facilities of the concerned hospital.
2. Students are to abide by the predetermined rotational schedule unless otherwise instructed by the preceptor/lecturer.
3. Students are required to get a signature from the respective preceptor of the units/services where they were placed immediately after completion of their placement.

Evaluation of student's performance:

The preceptor from Dubai Pharmacy College For girls (DPCG) will be guiding the students throughout their training. The weekly visit will be done by the faculty member of DPCG to monitor the students training and have discussions with preceptors and students separately. During rotation, the preceptor will assess the student's performance and provide feedback about the strengths and areas for improvement. The preceptors will make these assessments using evaluation forms and performance criteria that are based on goals and objectives outlined in the rotation syllabus or manual. Therefore, before the rotation begins, the preceptor and the student should meet and review the rotation goals and objectives, students' performance expectations and criteria to measure performance.

The rotation goals and objectives are statements that communicate the students' level of performance and activity, which are expected from them to demonstrate. Typically, rotation goals and objectives communicate that the students are expected to provide patient care successfully in the clinical setting.



This figure describes four levels of ability that a student must achieve to provide patient care. The lowest level of this triangle is "knowing" this tier infers that a student can recall knowledge gained during classroom courses and the rotations. Goals and objectives describing this level will be a statement such as "The student can describe symptoms, pathophysiology, laboratory tests, physical examination, prognosis and diagnosis of acute and chronic diseases. The other verbs that could be used in this statement to describe how to use the knowledge gained during classrooms.

Evaluation of students receiving APPE

Total marks for evaluation of APPE are 200, which are distributed as:

S. No.	Particulars	Marks Allotted
1.	Internal Medicine	45
2.	Intensive Care Unit	45
3.	Ambulatory Care and Primary Health care	45
4.	Inpatient/outpatient rotation	45
7.	Attitude	10
8.	Attendance	10

Total	**200**

Records

Relevant records such as logbook, etc.… will be checked by the head of Students' Professional Practice Experience Unit

Filling

With the help of the members of the Students' Professional Practice Experience Unit, it will be filled in the concerned files.

Appendix B: Capstone Project

24. Introduction

The students in the fourth year of B. Pharm. submit a research paper of the graduation project based on all-round knowledge they have acquired in the four main areas viz. Clinical Pharmacy and Pharmacy Practice, Pharmaceutics, Pharmacology and Toxicology, and Pharmaceutical Chemistry and Natural Products. This project includes research work, which the students carry out in a group of 4-5. Students may submit their preference to the Head of Faculty Development and Research Unit by the end of the sixth semester. They have a choice of choosing bench research from subjects like Natural Products, pharmaceutical chemistry, pharmacology, Toxicology, and pharmaceutics; or can do a survey based on data collected from hospitals, a community in subjects related to clinical pharmacy; or can write a review article.

Prerequisites: Successfully completed all the courses of first, second and third years.

Learning Outcomes:

On successful completion of the capstone project, students should be able to:

LO1 Integrate information from multiple sources and analyze the literature in fields of inquiry.

LO2 Apply fundamental and disciplinary concepts and methods in ways appropriate to their principal areas of study, with the ability to solve problems through critical investigation and gain confidence in workplace and lifelong learning.

LO3 Design, plan, and carry out a research project independently and as a team; includes creating a research question, preparing hypotheses, collecting data and presenting their work.

LO4 Predict conclusions from the research findings and organize/report research findings in the form of a project.

Role of Advisor:

The student's research Advisor holds the primary responsibility for providing the appropriate guidance and counsel essential to the scholarly development of the student. Based on the research interest and mutual consent of both students and advisor as well as any updated regulations decided by DPCG administration, each group of students is allocated to specific research supervisor at the end of the sixth semester.
The advisor shall supervise the students' graduation project work and paper preparation and will chair the examining committee for the students' defense of their project and write up.

1) **Completion of the Capstone Project**

Completion of the Capstone project involves several steps, which are as follows:

a) **Selection and registration of topics for B. Pharm Capstone Project:**

The selection and registration of topics for the BPharm Project are made accordingly as mentioned below:

i. Collection of project topics from the faculty members.
ii. Approving the project topics by Research and Ethical committees.
iii. Announcing the project topics by the Faculty Development and Research Unit in the sixth semester.
iv. Selection and registration of projects topics.
v. Carrying out the project under the faculty member's supervision.

b) Facilities, Experimental work, and data collection for the Capstone Project.

The experimental work (if any), collection of data for the project, and writing of the paper of the project are done by the students with the help of the facilities made available by Dubai Pharmacy College for Girls. These facilities are:

- Science Laboratories of Dubai Pharmacy College for Girls.
- Science Laboratories of Dubai Medical College for Girls.
- Instrumentation facilities of Central Laboratory of the Foundation.
- Computer labs and library.
- Public and/or private hospitals under the Ministry of Health.
- Pharmaceutical companies.
- Community pharmacies.

Facilities for the writing of the project:

The College provides sufficient facilities to the student for efficient writing of their graduation project paper.

Various facilities provided by DPCG are:

- Drug Information Center
- Central Library
- IT facilities

Others:

- Library of Dubai Health Authority Hospitals.

c) Organization of Capstone Project

The Capstone Project should be assembled in the order listed below:

1. Title page (titles, authors, and affiliations)
2. Abstract (required; 250 words or less for the bachelors' project; double-spaced and organized as a statement of the problem, procedure and/or methods, results and conclusions).
3. Keywords
4. Graphical abstract
5. Introduction
6. Materials and methods
7. Results
8. Discussions
9. Conclusion
9. Acknowledgments
10. References

Margins: For copying and binding purposes, every page of the project article must be left 1.25"; top, right and bottom 1". Margins must be left-justified. All manuscript material must fit within these margin requirements (including tables, headers and footers, figures, graphs, and page numbers).

When full-page prints of photographs are desired, the image area of the print must conform to the same margins as the text.

Spacing: The abstract, acknowledgements, and introduction must be double-spaced. Footnotes, bibliographies, long quoted passages, as well as items in lists, tables, and appendices may be single-spaced. The article must be printed on one side of the paper.

Style and Documentation: Style and techniques of presentation, including documentation should correspond to standard practices employed in the scholarly field of the research article. Generally acceptable are the documentation styles in The Chicago Manual of Style (University of Chicago Press); The MLA Handbook for Writers of Research Papers (published by the Modern Language Association of America); or the Publication Manual of the *American Psychological Association*. Each candidate should resolve all questions of style and technique with her advisor before preparing the final copy.

All the points mentioned above are discussed with the concerned supervisor. A draft copy is to be checked and approved from the Supervisor before the final copy is made.

2) **Submission of the Graduation Research Project for Evaluation**

i. Soft copy of the graduation project article is submitted to the Head of Faculty Development and Research Unit, latest by 1st June.

ii. The Dean forms an Evaluation Committee for the Project in consultation with the College Academic Council for the evaluation of the Project. The Evaluation Committee consists of the following:
A panel of internal examiners

- Head of the concerned Department or assigned member of the department
- Supervisors of the Capstone Project

iii. The students must present their project work in front of the members of the Evaluation Committee. The evaluation of the project is done in the first week of June.

iv. The evaluation is in the form of an oral presentation by the candidates. The distribution of marks (100) is as follows:

Assessment and Evaluation	
Assessment Tool	Score Distribution (%)
Thesis writing evaluation	25
Conference (poster/oral presentation)	25
Oral exam	25
Teamwork+ attendance and behavior	25
Total	100
*In case of published article: Publication Oral exam Teamwork + attendance and behavior	 50 25 25

The following evaluation tools (rubrics) are used in evaluation.

Thesis evaluation Rubrics "Criteria"	**Marks**
Research Idea: 5 Marks - The topic is of importance and specifically related to the field of study. - The topic has theoretical and practical importance to the field of study. - The topic demonstrates innovative thinking and creativity.	

Organization and Formatting: 5 marks The project is well organized. Structurally correct sentences with correct grammar and vocabulary. The entire project is presented in appropriate format as per the college guidelines. Presentation of the material is highly appropriate and professional. Logical order of information based on topic and appropriate transitions between ideas.	
Content: (15 marks) - The project is divided into clear heading as follows: Abstract Graphical abstract Introduction and Literature Review Experimental or Methodology Discussion and Results Conclusion Citations & References - Detailed and comprehensive introduction, methodology and discussion are presented. - Shows creative thinking and thoughtful insight. - Shows critical analysis of research related to topic and compared to current study. - Conclusion is supported by information or data. All citations and references are updated and appropriate to the study. - All citations and references are presented in proper format and do not need revision.	
Total Marks:	/25

		Oral Presentation Evaluation					
Student name	**Oral Presentation**	**9**	**PPT content**	**8**	**Oral Discussion**	**8**	**Mark /25**
1-	-Enthusiasm - Posture - Eye contact - Speaks clearly and no mispronunciation - Volume is loud enough to be heard -Preparedness for presenting the work - Deliver the idea in a clear way -The speaker is relaxed & comfortable. - Presentation is the right length.		- The presentation is easy to follow - Originality in presenting the work -Appropriate transition - All parts of the thesis are presented in a clear, representative way. - Introduction and closure are appropriate - Introduction provides sufficient background on the topic and previews the major points. - Rules of grammar, usage, and punctuation are followed; spelling is correct. - The presentation has all the requested information: answered all the points related with the topic.		- Answered the examiner's questions - Answered the critical thinking questions. - Respected her colleagues and did not disturb during their discussion		
2-							
3-							
4-							
5-							
6-							

Student name	**Teamwork** (12 marks) - Cooperation between the student and his group - Respect of time - Harmony - Behavior with the supervisor and colleagues - Contribution to the work	**Work Progress** (13 marks) - Did the assigned work properly. - Submitted the assigned work on time. - Showed creativity and novelty.	**Marks /25**
1-			
2-			
3-			
Conference			**/25**

Marking Scheme		
Item	**Score out of 100**	**Percentage**
Thesis writing evaluation (25 marks)		25%
A. Research Idea	5	
B. Organization and Formatting	5	
C. Content ✓ Abstract ✓ Graphical abstract ✓ Introduction and Literature Review ✓ Experimental or Methodology ✓ Discussion and Results ✓ Conclusion ✓ Citations & References	15	
Oral exam (25 marks)		25%
A. Oral Presentation	9	
B. PPT content	8	
C. Oral discussion	8	
Teamwork + attendance and behavior + Work Progress	25	25%
Conference	25	25%
Total	100	100%

- In case of late submission, the students will lose 2 marks per delay day till the 7th of June. After that, the submission will not be accepted and considered failed.
- The unsubmitted article will be considered failed.
- Upon evaluation, if the graduation project's article fails to meet the requirements for the degree (failed to obtain a minimum of 70%), a bachelor's student will not graduate. However, the student has the option to revise and resubmit the revised paper and make the resubmission on 1st of September and there will be considered passed without grades.
- In case of no submission in September, there will be redistribution of the students with a new supervisor.
- In cases where major plagiarism is alleged, the examination process does not proceed any further, and the case is investigated through DPCG disciplinary processes.
- In case of published article, the student will be awarded 50 marks for the publication, and evaluated internally by oral exam (25 marks) and 25 marks for teamwork, attendance and behaviour and work Progress

25. Placement of Alumni

26. DPCG Faculty Members AY 2024-25

Name	Degrees	Institution	Year
Prof.Dr. Sherief Khalifa	Ph. D. (Pharmacognosy)	University of Mississippi	1994
Dean,	B. Sc (Pharmacy)	King Saud University	1986
Professor, Pharmacognosy			
Prof. Dr. Naglaa Gamil Shehab	Ph.D.(Pharmacognosy & Phytochemistry).	Cairo University (Egypt)	2004
Associate Dean of Academic Affairs	M.Pharm. (Pharmacognosy)	Cairo University (Egypt)	1998
Professor, Clinical Pharmacy & Pharmacotherapeutics Department	B.Pharm	Cairo University (Egypt)	1991
Mrs. Khuloud Abu Shawish	MSc.	Sharjah University	2023
Teaching & Research Assistant.	B.Pharm	Dubai Pharmacy College	2014
Prof. Dr. Aliasgar Fakruddin Shahiwala	Postdoctorate	Northeastern University (USA)	2007
	Ph. D. (Pharmacy)	M.S.University (India)	2005
Professor in Pharmaceutics	M.Pharm.	M.S.University (India)	1999
	B.Pharm	L.M., Gujarat University, India	1996
Prof. Dr.Bazigha K. Abdul Rasool	Ph.D. (Pharmaceutics)	University of Baghdad, (Iraq)	2004
Head, Pharmaceutics Department	M.Sc. (Pharmaceutics)	University of Baghdad (Iraq)	1998
Professor in Pharmaceutics	B. Pharm (Pharmacy Sciences)	University of Baghdad (Iraq)	1990
Dr. Rana Sammour	PhD Pharmaceutical Technology	International Islamic University of Malaysia (IIUM) (Malaysia)	2020
Assistant Professor in Pharmaceutics		Ajman University of Science and Technology (UAE)	
Head Student Affairs	Msc. Pharmaceutical Technology	Dubai Pharmacy College (UAE)	2013
	B.Pharm		2003
Mrs. AlZahraa Mahmoud Hussain	PhD (ongoing)	University of Strathclyde (UK)	2019
Lecturer	MPharm Pharmaceutical Product Development	Dubai Pharmacy College UAE)	2016
Head Graduate Affairs and Career Guidance	BPharm	Dubai Pharmacy College (UAE)	2008
Prof. Mirza Baig	PhD (Clinical Pharmacy)	University Sains Malaysia	2011
Associate Dean of Clinical Affairs	MPharm	RGUHS, India	2003
Professor in Clinical Pharmacy	BPharm	Gulbarga University, India	2000

Program Coordinator – MPharm Clinical Pharmacy			
Dr. Gazala Afreen Khan Head, Examination Affairs Associate Professor Clinical Pharmacy and Pharmacotherapeutics Department	Ph. D. (Genetics) M. Sc (Genetics) B.Sc	Osmania University (India) Osmania University (India) Osmania University (India)	2004 1998 1996
Dr. Hanan Sayed Anbar Head of BPharm Research and Ethical Committee Associate Professor in the department of pharmaceutical Sciences	Ph.D. (Pharmacology & Toxicology) M. Sc. (Pharmacology & Toxicology)	Mansura University (Egypt) Mansura University (Egypt)	2017 2010
Dr. Ammar Ali Saleh Jaber Head, Professional Practice Experience Unit Associate Professor in Clinical Pharmacy	Postdoctorate PhD (Clinical Pharmacy) MPharm (Pharmacy)	University Sains Malaysia University Sains Malaysia Jamia Hamdard, India	2018 2017 2011
Dr. Doaa Kamal Assistant Professor in Clinical Pharmacy & Pharmacotherapeutics Department	PhD (Clinical Pharmacy) M.Sc. (Clinical Pharmacy) B.Pharm	International Islamic University of Malaysia (IIUM) (Malaysia) Jordan University (Jordan) Dubai Pharmacy College (UAE)	2020 2010 2002
Prof. Kishore Gnana Sam Professor in Pharmacy Practice Head, Pharmacy Practice Department	PhD (Pharmacy Practice)	Manipal University of Higher Education	2009
Dr. Semira Beshir Associate Professor in Pharmacy Practice	PhD (in Pharmacy) Master (Clinical Pharmacy) B.Pharm	University Malaya (Malaysia) National University of (Malaysia) Addis Ababa University (Ethiopia)	2018 2008 2006
Ms. Yosra Adnan *Lecturer* Clinical Pharmacy & Pharmacotherapeutics Department	PhD (ongoing) MSc. Pharmacology &Toxicology B.Pharm	University of Strathclyde (UK) UAE University Dubai Pharmacy College (UAE)	2019 2015 2006

Ms. Eiman Shams Elddin Elgailani *Lecturer* Clinical Pharmacy & Pharmacotherapeutics Department	PhD (ongoing) MPharm Clinical Pharmacy B.Pharm	University of Strathclyde (UK) Dubai Pharmacy College UAE) Dubai Pharmacy College UAE)	2019 2015 2005
Mrs. Sabeena Salam Lecturer *Head, Institutional Effectiveness and Publications Unit* Head of General Education and Elective Requirements	PhD (ongoing) CELTA B.Ed (English) M.Phil.(English for Specific Purposes)	BITS Pilani (UAE) University of Cambridge (Dubai) Calicut University (India) Pondicherry University (India)	-- 2007 2002 1995
Ms. Sadaf Sana *Instructor in Psychology* *Student Counselor*	BS (Hons.) Applied Psychology MS Industrial and Organizational Psychology	Kinnaird College for Women, Pakistan Government College University, Pakistan	2013 2015
Dr. Rizah Anwar Assadi *Clinical Preceptor, Clinical Pharmacy and Pharmacotherapeutics Department*	PharmD (Doctor of Pharmacy)	Gulf Medical University (Ajman, United Arab Emirates)	2016
Ms. Yasmeen Yaser Salem *Lecturer Department of Pharmaceutics.*	BPharm MSc. (ongoing)	Dubai Pharmacy College	2019
Ms. Deepthy Vipin Raj *Lecturer and IE Coordinator*	M. Phil in Statistics MSc. Statistics BSc. Statistics	University of Kerala, India University of Kerala, India Government College, India	2009 2008 2006
Dr. Mariam Diab *Lecturer Department of Pharmaceutics.*	BPharm Doctor of Pharmacy	University of Sharjah United Arab University (UAEU)	2019 2023

Faculty from DMCG	
Dr. Shifaan Khanday Assistant Professor in Anatomy	**Dr. Mariam Shadan** Assistant Professor in Pathology
Dr. Aprajita Assistant Professor in Physiology	***Prof. Naglaa Raafat Abdl Raob,*** Professor in Biochemistry.
Part-Time Faculty	
Ms Nagina Jannat *PharmD – MBA Marketing*	***Dr. Jinan*** *PhD (UK)*

Instructor – Creativity, Innovation and Entrepreneurship	*Assistant Professor in Islamic Studies*
Dr. Ilham Mebrouk *Doctor of Philosophy, Islamic*	***Dr.Mariem Galadari*** *Lecturer in Pharmacy Laws* *Cairo University*
	Dr. Mohamed Abdullah *Bachelor of Pharmaceutical Sciences, BPharm faculty*

SUPERVISORS FOR PROFESSIONAL PRACTICE EXPERIENCE	
HOSPITALS	**PHARMACEUTICAL INDUSTRY**
Prof. Dr. Ali Syed Hussain, M.Sc., Ph.D.(USA) Director, Pharmaceutical Services, Coordinator, Professional Practice Experience, Dubai Health Authority-Dubai	*Mr. Idrees Siddiqui* Manager Technical Operations Global Pharma Co LLC, Dubai- UAE
Mrs. Amal Ali Salem, B. Pharm. Chief Pharmacist Supervisor, Al Wasl Hospital- Dubai.	*Mr. Ijaz Sheikh* Pharmaceutical Industry
Mr. Moh'd Sameh Ali, B. Pharm. Chief Pharmacist, Supervisor, Rashid Hospital- Dubai.	*Mr. Ejaz Shahid* Pharmaceutical Industry
Mr. Murtada Mohd., B. Pharm. Actg., Chief Pharmacist, Supervisor- Dubai Hospital, Dubai.	**COMMUNITY PHARMACY** *Ms. Mariam M.Pharm* Contact Number: +971543056363 Email ID: mariam.o@supercare.ae Position: Regulatory Affair Manager P.O.Box: 118347, Dubai. U.A.E *Supercare Pharmacy*
Mrs. Fareeda Al Khaja, B. Pharm. (Egypt)Chief Pharmacist Supervisor, Al Maktoum Hospital- Dubai.	
Ms. Lara Qadir Mafraq Hospital, Abu Dhabi	*Mr.Mohd.Sandeep M.pharm* Contact Number: 0529236592 Emai ID: m.sandeep@asterpharmacy.com *Aster Pharmacy*
Ms. HebaElkholy SKMC Hospital, Abu Dhabi	
Ms. Mahat Hussain Senior Pharmacist (Dubai Health Authority	*Mr. Eby John M.Pharm* Contact Number: +971529034923 Email ID; eby.k@asterpharmacy.com *Aster Pharmacy*

27. Contact information and Location map

Our Office Location

P.O.BOX: 19099
Al Muhaisanah 1, Al Mizhar,
Dubai - United Arab Emirates

Contact Number

+971 4 2120 333

Email Address

dpc@dpc.edu

College Timings

7.30 AM to 3.00 PM (Mon – Thu)
7.30 AM to 12.00 Noon (Fri)
Weekly off (Sat and Sun)

Location map:
https://maps.app.goo.gl/cCSz9TVFt9DouTDA9