

Program Aims and Outcomes

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.

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.

PROGRAM OUTCOMES

QF Emirates Level 7	Program outcome:	Course Name	CAPE Educational Outcomes	Learning/ Teaching Methods and Strategies	Types/ Methods of assessment
Knowledge	On successful completion of this program, the students will be able to:				
	<p>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.</p> <p>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.</p>	<p>-Pharmaceutical Organic Chemistry I -Pharmaceutical Organic Chemistry II -Medicinal Chemistry I -Medicinal Chemistry II -Medicinal Chemistry III -Pharmacology & Therapeutics-I,II,III ,IV, V -Clinical Toxicology</p> <p>-Instrumental Analysis Natural Medicines, Safety and Efficacy, -Introduction and History of Pharmacy -Pharmaceutics-I -Pharmaceutics-II - Pharmaceutical Technology -Pharmaceutical Biotechnology</p>	<p>Learner</p> <p>-Learner - Innovator</p>	<p>Lectures, Tutorials, Practical, Self-Directed Learning, Seminars, Problem Based Learning,</p>	<p>Written Examinations, MCQ, Practical Reports, Project Report, Quiz, Assignment</p>

	<p>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.</p>	<ul style="list-style-type: none"> - 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 -Pharmacogenomics & Precision Medicine -Research Methodology & Biostatistics -Hospital Pharmacy -Capstone course -Professional Skills in Practice 	<ul style="list-style-type: none"> -Life -long Learner -Promoter 	Brainstorming, Kahoot	
	<p>A4. Demonstrate specialist and comprehensive knowledge required in providing specialized Clinical services needed in hospital and other clinical environments.</p>	<ul style="list-style-type: none"> -Pharmaceutical Administration and Pharmacoeconomics -Pharmacy Automation & Informatics -Pharmacy Practice -IPPE &APPE 	<ul style="list-style-type: none"> -Self -aware 		
Skills	<p>B1. Design educational strategies for prevention and intervention in disease management for individuals and communities to improve health and wellness</p>	<ul style="list-style-type: none"> -Alternative and Complementary medicine -Microbiology& Immunology -Pharmacoepidemiology &Pharmacovigilance, -IPPE &APPE -Capstone course -Capstone Project 	<ul style="list-style-type: none"> -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, Case-based assessment, Project Report & Capstone Project, Article review, Self-learning assessment, Capstone course assessment.
	<p>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.</p>	<ul style="list-style-type: none"> -Pharmaceutical Organic Chemistry II, - Medicinal Chemistry I, II and III, -Instrumental Analysis -Natural Medicines, Safety and Efficacy - Introduction and History of Pharmacy -Pharmaceutics-I -Pharmaceutics-II -Pharmaceutical Biotechnology -Pharmaceutical Technology -Biopharmaceutics and Pharmacokinetics 	<ul style="list-style-type: none"> -Communicator 		

		<ul style="list-style-type: none"> -Biochemistry -Clinical Biochemistry -Anatomy and Physiology I -Anatomy and Physiology II -Pathology -Pharmacy Practice -Pharmaceutical Care -Professional Skills in Practice -Research Methodology & Biostatistics -Capstone course -IPPE &APPE -Capstone Project 			
	<p>B3. Identify problems, analyze, deploy and utilize pertinent information in clinical case discussion and evaluate the patient care process with an appropriate pharmaceutical care plan.</p>	<ul style="list-style-type: none"> -Applied Pharmacokinetics -Pharmacy Practice -Pharmaceutical Care -Natural Medicines, Safety and Efficacy -IPPE &APPE -Pharmacology and Therapeutics- I, II, III, IV & V -Professional Skills in Practice -Hospital Pharmacy -Pharmacoepidemiology & Pharmacovigilance -Calculations in Practice -Clinical Toxicology -Research Methodology and Biostatistics -Capstone course - Capstone Project 	<ul style="list-style-type: none"> -Problem Solver and decision maker -Patient Advocate for safe and effective medication -Caregiver and provider & medication expert 		
<p>Competence</p>	<p>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.</p>	<ul style="list-style-type: none"> -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 -Capstone course 	<ul style="list-style-type: none"> -Leader - Healthcare provider) Interprofessional -collaborator -Innovator 	<p>,Prescription evaluation, PBL, Workshops, Role play, Case studies, Presentation.</p>	<p>PPE evaluation and exam, OSCEs, Calculations in Practice exam, SDL, Presentation, Capstone course evaluation, Capstone Project evaluation, DUPHAT evaluation, Oral presentation, Presentation assessments</p>

		<ul style="list-style-type: none"> -Professional Practice Experience Medicinal Chemistry II Pharmacology and therapeutics I, II, III,IV and V -Pharmacogenomics & Precision Medicine 			
	<p>C2.(Self Development) Develop self-direction in problem-solving, decision-making, and critical thinking abilities for professional development and become independent lifelong learners.</p>	<ul style="list-style-type: none"> - Medicinal Chemistry III -Pharmaceutics-I -Pharmaceutics-II -Pharmaceutical Biotechnology -Pharmaceutical Technology -Biopharmaceutics and Pharmacokinetics -Capstone course - -IPPE &APPE -Capstone project 	<ul style="list-style-type: none"> -Lifelong learner, -Educator and Health and wellness -Promoter, -Self-aware 		
	<p>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.</p> <p>C4. Practice Pharmaceutical Care Process in individualized and population-based care.</p>	<ul style="list-style-type: none"> -Introduction and History 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 -Capstone course -IPPE &APPE 	<ul style="list-style-type: none"> -Professional and ethical Provider 		