

Table (1)

Semester (1)

Course Title	Course Code	Credit Hours			Prerequisite	Examination Marks				Total Marks	Final Exam. Hours
		Lect.	Pract./tut	Total		Period.	Pract.	Wr.	Oral		
Pharmaceutical Analytical Chemistry I	PA 101	2	1	3	Registration	20	40	75	15	150	2
Pharmaceutical Organic Chemistry I	PR 101	2	1	3	Registration	20	40	75	15	150	2
Pharmacy Orientation	PT 101	1	-	1	Registration	10	--	40	---	50	1
Medicinal Plants	PG 101	2	1	3	Registration	20	40	75	15	150	2
Medical Terminology	PO 101	1	-	1	Registration	10	--	40	---	50	1
Cell Biology	PB 201	1	1	2	Registration	15	25	60	-	100	1
Mathematics	NP 102	1	--	1	Registration	10	---	40	---	50	1
English Language*	UR 101	2	--	2	Registration	25	-	75	--	100	2
Total		10 + 2	4	14+2						700	

- *Lect.* = Lecture
- *Period.* = Periodical
- *Pract.* = Practical
- *Wr.* = Written

*متطلب جامعة بتقدير نجاح ورسوب فقط دون اضافة درجات للمجموع التراكمي

إدارة برنامج الصيدلة الإكلينيكية - المبنى الإداري الدور الخامس - كلية الصيدلة (ت داخلي: ١٢٨٢) ، (ت: ٢٤١١٢٨٢)

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Table (2)

Semester (2)

Course Title	Course Code	Credit Hours			Prerequisite	Examination Marks				Total Marks	Final Exam. Hours
		Lect.	Pract./tut	Total		Period.	Pract.	Wr.	Oral		
Pharmaceutical Analytical Chemistry II	PA 202	2	1	3	Pharmaceutical Analytical Chemistry I	20	40	75	15	150	2
Pharmaceutical Organic Chemistry II	PR 202	2	1	3	Pharmaceutical Organic Chemistry-I	20	40	75	15	150	2
Information Technology	NP 101	1	1	2	Registration	15	25	60	-	100	1
Anatomy & Histology	MD 201	2	1	3	Registration	20	40	75	15	150	2
Physical Pharmacy	PT 202	2	1	3	Registration	20	40	75	15	150	2
Pharmacognosy I	PG 202	2	1	3	Medicinal Plants	20	40	75	15	150	2
Psychology*	UR 202	1	-	1	Registration	10	-	40	-	50	1
Human Rights and Fighting Corruption*	UR 203	1	-	1	Registration	10	-	40	-	50	1
Total		11 + 2	6	17 + 2						850	

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محتوى مقررات المستوى الأول

PA 101 Pharmaceutical Analytical Chemistry I

This course introduces the students to the relevant aspects of chemical kinetics, rate of reaction and chemical equilibrium. Additionally, it also aims to provide the students with the essential knowledge of general chemistry, types of chemical reactions, calculation of concentrations of substances and qualitative analysis of anions and cations and their mixtures

PR 101 Pharmaceutical Organic Chemistry I

Types of reactions and reagents. Chemical, physical and nomenclature of hydrocarbons (alkanes, cycloalkanes, alkenes and alkynes). Stereochemistry (Optical isomers, racemic modification, nomenclature of configurations) and pharmaceutical applications. Aromaticity, aromatic ions and compounds. Electrophilic aromatic substitution and orientation, alkylbenzenes and sulfonic acid, polynuclear aromatic compound. pharmaceutical application. The practical sessions-Lab. Safety, basic lab. Techniques to purify and identify organic compounds.

PT 101 Pharmacy Orientation

This is a course to acquaint the beginning pharmacy student with the multiple aspects of the profession of pharmacy, including the mission of pharmacy, role of pharmacist in society and pharmacy careers, classification of medications, interpretation of prescriptions and medication orders, general dispensing procedure and factors affecting drug dosage, sources of drugs, different dosage forms and various routes of administration, in addition to the history of pharmacy practice in various civilizations.

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PG 101 Medicinal Plants

The aim of the course is to provide students with knowledge necessary to identify and prepare a crude drug from the farm to the firm. Students should acquire knowledge concerning dusting powders, plant cytology, physiology and medicinal leafy plants. In this course, the student will study: importance of natural products, preparation of natural products-derived drugs including collection, storage, preservation and adulteration. The course will introduce the students to the different classes of secondary metabolites. In addition, the course will discuss and address the variability in occurrence of pharmacologically active substances in certain official medicinal leafy plants according to their WHO monographs.

PO 101 Medical Terminology

This course deals with basic components of medical terms (roots, prefixes, suffixes, and linking or combining vowels) and how does the medical terminology work by combining these basic components. The course also includes commonly used prefixes, and roots of body system, as well as the commonly used medical abbreviations and diseases.

NP 101 Information Technology

This course tends to provide students of all university's faculties with a brief introduction to the world of computers and the concept of information technology including: number systems and data representation, computer system components: hardware & software, storage and input/output systems, Operating systems and Utility Systems, software applications. Also it gives an overview about computer networks and internet: data communication, transmission modes, transmission media, computer networks, internet protocol, and internet services. It practices

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Pharm-D clinical مقررات



إدارة برنامج الصيدلة الإكلينيكية

some computer applications in the laboratory such as Internet Access, word processing and power point. It gives students a practical experience on developing projects related to the specialty of each faculty.

Pharmacy Informatics is concerned with the use of technology to improve patient care as well as increasing patient safety. Informatics deals with data generated by software used in patient care, not only the storage of data but also the retrieval of data as meaningful clinical reports and the management of information systems to assure patient safety and optimal medical outcomes.

NP 102 Mathematics

This course provides an essential guide to the mathematical concepts, techniques, and calculations, a student in the pharmaceutical sciences is likely to encounter. It includes definition of Number, Variable, Function, composition of functions, different types of functions. Definition of Limits of one variable functions, continuity, differentiability and applications of these concepts. Definition of the definite and indefinite integrals. The fundamental theorem of calculus and applications of definite integral. Determined the area arc length, volumes and surfaces of revolutions Differentiation and integrations of exponential, logarithmic, trigonometric and transcendental functions. Techniques of integrations, trigonometric and transcendental functions. Techniques of integrations. Matrix Algebra and system of linear equations.

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