Module Description

University of AL-Kafeel / College..... Academic Year (2020-2021)

Stage:	first stage
Specialization:	Pharmacy
Name of the Course in Arabic	مبادئ ممارسة الصيدلة
Name of the Course in English	Principles of pharmacy practice
Goals:	This semester aims to : ▪ Teaching students the mathematical basics that used in pharmaceutical calculations. ▪ Knowing the different systems of units that used in the pharmaceutical field. ▪ Knowing the components of the prescription and acquiring the sufficient skills to translate the medical abbreviations. ▪ Teaching students the principles of calculating therapeutic doses accurately.
Description	Involves brief information about old pharmacy. It teaches kinds of numbers, abbreviations that are commonly used in prescriptions and their meanings. In this course the students will understand the components of typical prescription, the different unit systems and the relation between these systems. Students will also be familiar with the methods and tools of measuring weights and volumes, and how to calculate doses on different bases and know how to reduce or enlarge formulas; they will be able to describe values in percentage and ratio strength.
Number of Theoretical lectures	2
Number of Practical lectures	-
Credits	2
Name of Instructor in Arabic	أ.د حيدر كاظم عباس ,م.م. مجيد نبيل عبد المجيد
Name of Instructor in English	Prof. Dr. Hayder Kadhim Abbass M. Sc. Majeed Nabeel Abdul Majeed
Title	أستاذ , مدرس مساعد (م.م)

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Curriculum / Theoretical:

Week	Syllabus
1	Some fundamentals of measurements and calculations.
2	Interpretation of prescription or medication orders.
3	The metric system.
4	Calculation of doses.
5	Reducing and enlarging formulas.
6	Density, specific gravity and specific volume.
7	Percentage and ratio strength calculation.

References :

Main References :

[1] Pharmaceutical Calculations by Howard C. Ansel .

[2] Pharmaceutical Calculation by Stoklosa .

Secondary References:

[1] Pharmaceutical Dosage forms and Drug Delivery Systems By Haward A. Ansel; latest edition.