

A COURSE MODULE DESCRIPTOR FORM

Module Information			
Course Module Title	Principle of pharmacy		
ناوی کۆرس مۆدیول	مبدأ الصيدلة		
عنوان الوحدة	بنه‌مای ده‌رمانسازی		
Course Module Type	Core	Module Code	PH101
ECTSs	6		
Department	Pharmacy		
Department Code	PH		
Module Website (CMW)	List of Modules (noble.edu.krd) / Noble Insitute – Noble Institute		
Module Leader (ML)	Narmin Mahmoud		
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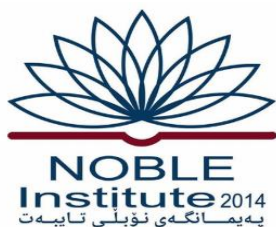


Fall Semester

Academic Year 2023 – 2024

1st semester 1st graders

Relation with Other Modules	
Pre-requisites	None
Module Aims, Learning Outcomes and Indicative Contents	
Module Introductory Description	The main goal of this module is to give a student's brief information about the Pharmacy, appraise the fundamental concepts, principles, theories, and terminology used in the main branches of the science. Additionally, describing or list measurable and essential mastered content-knowledge
Module Aims	A pharmacy technician's first consideration is to ensure the health and safety of the patient, and to use knowledge and skills to the best of his/her ability in serving others. Students will also learn appropriate and professional attitudes and behaviors for the role of Pharmacy Technician whilst also developing the fundamental technical skills and the underpinning knowledge and understanding required to become competent in this job role.
Module Learning Outcome	<p>Upon completion of the course, the student shall have</p> <ol style="list-style-type: none"> 1. Involves brief information about old Pharmacy. 2. It teaches kinds of numbers, abbreviations that are commonly used in prescriptions and their meanings. 3. In this course the students will understand the components of typical prescription. 4. The different unit systems and the relation between these systems. 5. 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; 6. They will be able to describe values in percentage and ratio strength.
Learning and Teaching Strategies	
Strategies	



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	<p>The teaching consists of Lectures, discussion groups, tutorials, problem solving and seminars. The instructions are partially or completely in English. Emphasis is placed on the student's ability to collect and process material as well as the student's ability to write and make oral presentation on the efficacy and safety of pharmaceutical drugs.</p>
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Required texts and References

Pharmaceutical Calculation by Stoklosa; Latest edition

Pharmaceutical calculations, by Anse

Module Delivery

Total workload

Contact Theoretical Hours – Per semester	3h
Contact Practical Hours – Per Semester	NA (during the lectures activities and practice)

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Module Activities	Time /Number	Weight (Marks)	Week Due
Contact hours - Participation		5%	1 to 14
(Science / Lab) (Social science / Critical thinking)	1	5%	7-10
Presentation / Seminar	1	5%	5-12
Tutorial	1	5%	3-10
Quiz	3	5%	1 to 12
Self-study		5%	1 to 12
Projects	4	5%	
Oral assessment	1	5%	7
Midterm Exam	1	20%	8
Final Exam	1	40%	15
Total		100%	

Delivery Plan (Designed Syllabus)

	Course Module Content/ theory
Week 1	<ol style="list-style-type: none"> 1. Explaining the Course module and various activities as well as the requirements. 2. Introductions to history of pharmacy and drugs
Week 2	<ol style="list-style-type: none"> 1. Nomenclature of drugs and source of drugs 2. Introduction to the General rout of drug administration
Week 3	<ol style="list-style-type: none"> 1. Introduction to the System of drug measurement 2. Roman numerals and pharmacy abbreviation
Week 4	<ol style="list-style-type: none"> 1. Interpretation of prescription or medication orders, selected abbreviations,



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	<p>acronyms, and symbols used in prescriptions and medication orders</p> <p>2. Use of Abbreviations and Symbols</p>
Week 5	1. Continue with week 4
Week 6	1. General information about dosage form and Dosage form vehicles
Week 7	Case study –grouping / checking the students understanding to the previous concepts before the midterm exam
Week 8	Midterm Exam
Week 9	<p>1. the knowledge of commonly used units in pharmacy calculation</p> <p>2. drug measurement and dose calculation and factors affecting drug calculation</p>
Week 10	1. drug measurement and dose calculation (body weight)
Week 11	1. drug measurement and dose calculation (age) patient parameters
Week 12	Seminar
Week 13	Reducing and enlarging formula
Week 14	Quick revision - overall
Week 15	Final exam session

	Course Module Content/ practical
Week 1	Explaining the Course module and various activities as well as the requirements. Introductions to history of pharmacy and drugs
Week 2	Activity and applications /Nomenclature of drugs and source of drugs
Week 3	Activity and application / introduction to the System of drug measurement Roman numerals and pharmacy abbreviation
Week 4	3. Interpretation of prescription or medication orders, selected abbreviations, acronyms, and symbols used in prescriptions and medication orders Use of Abbreviations and Symbols
Week 5	Drug administration application
Week 6	Applications / dosage form and Dosage form vehicles
Week 7	Case study –grouping / checking the students understanding to the previous concepts before the midterm exam
Week 8	Midterm Exam
Week 9	the knowledge of commonly used units in pharmacy calculation drug measurement and dose calculation and factors affecting drug calculation
Week 10	Case study solving method /drug measurement and dose calculation (body weight)
Week 11	drug measurement and dose calculation (age) patient parameters
Week 12	General application about the effect of factors on drug measurements
Week 13	General application about the effect of factors on drug measurements
Week 14	Revision
Week 15	Final exam



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Course Keywords

Dosage form, drug calculation, Interpretation of prescription, medication orders, Abbreviations and Symbols