

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmaceutics I
Course number	PHTC2307
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 -	proving the students with all information and skills about some liquid dosage forms
2 -	Providing students with complete information about principles of pharmaceutical dosage form design in addition to general definitions of pharmaceutics
3 -	providing the students with skills of preparation of semisolid dosage forms e.g ointments,creams,pastes and gels
4 -	poviding the precautions during formulation on small scale of suppositries , aerosols,liposomes

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * 1- Would have the skills for formulation of each semisolid preparation * 2- Having the precautins taken in consideration durin formulation * 3- Would have the ability to defferntiae between methods of preparation and its suitability for each ingredients
Professional Skills	<ul style="list-style-type: none"> * Professional skills includes all abilities related to formulation and preformulation and skills of manufacturing on small scale in addition to skills of choosing among inactive ingredients

Course Contents

1 -	Includes principles of dosage form design ,
2 -	formulation and its problems of emulsion and suspension
3 -	formulation and its problems of ointments, pastes ,creams, and gels
4 -	formulation and its problems of suppositries
5 -	formulation and its problems areosols
6 -	formulation and its problems liposomes

Teaching and Learning Methods

1 -	lectures, discussion ,presentations ,animation , assignments
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
midterm exam	60 minutes	35marks
second exam		15marks
final exam	120minutes	50 marks

Books and References

Essential books	M.E.Aulton, The science of dosage form design, second edition Lloyd V. Allen, Jr., Nicholas G. Popovich, Howard C. Ansel, Ansel pharmaceutical dosage form and drug delivery system (ninth edition)
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