

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Physical Pharmacy Lab
Course number	PHTC2105
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - This course aims to develop students practical laboratory skills through the application of practical experiments. This course is a practical application of the theoretical concepts that are discussed in the courses Physical Pharmacy I and Physical Pharmacy II.

Intended Learning Outcomes

Knowledge and Understanding	* After completing this course , the student will be able to apply the principles of physical pharmacy such as adsorption and solubility, also will be able to calculate the distribution coefficient, will be able to express concentration using different units, and will be able to prepare some liquid dosage forms such as syrup.
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Course Contents

1 - 1. Roman numbers. 2. Pharmaceutical calculation. 3. Solubilization. 4. Micellar solubilization. 5. Adsorption. 6. Expression of strength (concentration). 7. Distribution coefficient. 8. Surface tension. 9. Liquid dosage form (Syrup).
