

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Prac. Synthesis of Org. Comp (3)
Course number	CHEM4231
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 -	To teach the student the proper method of carrying out multi-step preparation techniques that give highest yield and highest purity.
2 -	To practice the safe handling of chemicals and equipment's.
3 -	To practice the student with monitoring the chemical reaction with tlc technique

Course Contents

1 -	This practical course offers selected organic multi-step synthesis of organic compounds,
2 -	The selected experiments cover all topics covered in theoretical organic chemistry, extensive study of the mechanisms of the selected reactions.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Reports quizzes and instructor evaluation 40%		
Midterm 20%		
Final exam 40%		

Books and References

Essential books	Department lab. Manual.
Recommended books	Vogel,s Textbook of Practical Organic Chemistry. Fifth edition. Unitized experiments in the organic chemistry.