

Republic of Iraq  
The Ministry Of Higher Education  
& Scientific Research



University: Bagdad  
College: Science for Women  
Department: Chemistry  
Stage: 4<sup>th</sup>- Industrial  
Lecturer name: Dr. Jalil R. Ugal  
Qualification: Ph. D- Inorganig  
Place of work: College of Science  
for women

## Syllabus Form

Instructor Name	Dr. Jalil R. Ugal				
E-mail	<a href="mailto:dr.jalilraheef@yahoo.com">dr.jalilraheef@yahoo.com</a>				
Course Title	Composite polymeric Materials				
Course Coordinator	Type here the name of course coordinator				
Course Objectives	Discuss how to prepare composites				
Course Description	Types of composites, Fillers and additives, Mechanical properties, polymer blends				
Textbook	Polymer Science and Technology by Joel R. Friad				
References	1- Composite polymeric materials by: R. P. Sheldon 2- Introduction to polymer Science and Technology by : Herman S. Kaufman				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	NO.	As(10%)	-	As(60%)
General Notes	This course is important to the chemists who will work in industry, it is the subject of the new life.				

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## Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	October 2015	Composites materials, general introduction		
2				
3	October 2015	Inorganic elements in polymers		
4				
5	Nov.2015	Principles of filler selection of use		
6				
7	Nov.2015	Mechanical properties of filled polymers		
8				
9	Exam			
10	Dec.2015	Rheology compounding and processing of composition		
11				
12	Dec.2015	Polymer blends		
13				
14	Jan-2016	Additives, blends and composites		
15	Exam			
<b>Half – year break</b>				
17				
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Instructor Signature:

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