

FACULTY OF SCIENCES - DEPARTMENT OF CHEMISTRY
COURSE SYLLABUS – CHEM 202

<i>COURSE TITLE</i>	<i>ENGLISH CODE/NO</i>	<i>ARABIC CODE/NO</i>	<i>CREDITS</i>				
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General Chemistry (II)	CHEM 202	٢٠٢مك	3	3	--	--	4
<i>Pre-requisites:</i>	CHEM 110						
<i>Course Role in Curriculum</i>	<i>Required or Elective:</i>			Required			
	<i>A pre-requisite for:</i>			ChE 301, CHEM 240			
<i>Catalogue Description:</i> Thermo chemistry, gases, liquids, solutions, chemical kinetics, oxidation-reduction reactions, chemical thermodynamics, electrochemistry, nuclear chemistry, environmental effects.							

Textbooks:

Chang, Chemistry, 9th. ed., McGraw-Hill, 2007

Supplemental Materials:

Mortimer, Chemistry, 6th ed., Wadsworth Inc.

Steven S. Zumdahl, Chemistry, 6th ed., Houghton Mifflin, College Div.

Course Learning Outcomes:

By the completion of the course the student should be able to:

1.	Define heat and state its units.	
2.	Define the basic terminology used to describe matter.	
3.	Describe the driving force of a chemical reaction.	
4.	Understand basis of electrochemistry.	
<u>Topics to be Covered:</u>		<u>Duration in Weeks</u>
1.	Introduction to thermochemistry.	2
2.	Properties of gases, liquids and solids.	2
3.	Chemical kinetics.	2
4.	Oxidation-reduction reactions.	2
5.	Chemical thermodynamics.	2
6.	Electrochemistry.	2
7.	Nuclear chemistry.	1
8.	Environmental effects.	1

Key Student Outcomes assessed in the course: (a)