Course Specifications

Programme(s) on which the course is given B.SC.Chemistry
Major or Minor element of programmes: major
Department offering the programme: chemistry
Department offering the course: chemistry
Academic year / Level: First
Date of specification approval: 2013

A- Basic Information

Title: Principles of organic chemistry
Code: CH145
Credit Hours: 2 Lecture: 1.5
Tutorial: 1 Practical: 2 Total: 2

B- Professional Information

1 – Overall Aims of Course

Explorations of principles of organic chemistry this make the graduate understand the importance of organic compounds.

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

a1-know the nomenclature of organic compounds.
a2-know the theories of structure of organic compounds.
a3-Know the organic reactions mechanisms

b- Intellectual Skills

b1-Build the graduate capability for improvement of organic compounds and their reaction mechanisms and types of isomers

c- Professional and Practical Skills

c1-How dial with the nomenclature aliphatic organic compounds.
c2-The ability to know how the reactions of organic done

d- General and Transferable Skills

d1-Enhancing the writing and oral communication capability and also solving the problem.

d2-Proplem solving

d2-Enhancing the written and oral communicatipons capability

- 3- Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Introduction to principles of organic chemistry	4	4	-
Theories of orbitals and types of bonds.	6	6	-
Nomenclature of organic compound	4	4	-
Organic reaction mechanism	6	6	-
isomers	6	6	-

4– Teaching and Learning Methods

4.1-lectures

5- Graduate Assessment Methods

5.1 written examination to assess the understanding and knowledge

Assessment Schedule

Assessment 1 short exam (class activities) Week every two weeks

Assessment 2 mid-term (written) Week 8

Assessment 3 final-term (written) Week 13 and 14

Weighting of Assessments

Mid-Term Examination	**20%**
Final-term Examination	**60%**
Semester Work	**20%**
Total	**100%**

6- List of References

Organic Chemistry, by John McMurry. 7ThEd, 2008. Thomson

7- Facilities Required for Teaching and Learning

overhead projector,molecular models

Course Coordinator: Prof. Dr. / Abdel-Hamid Ismael

Head of Department: Prof. Dr. / Adel Nassar

Date: / / 2013