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 level
Date of specification approval: 2013

A- Basic Information

Title: Practical organic chemistry (2) **Code: CH279**
Credit Hours: 2 h **Lecture: 0**
Tutorial: 4 **Practical: 2**
Total:6

B- Professional Information

1 – Overall Aims of Course

Providing the graduate with the essential knowledge about identification of functional groups via using different tests.

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

After completing the course the graduate should be able to

a1- Know physical and chemical properties of organic compounds.
a2- Study the reaction mechanisms of each test.
a3- Identify of different organic compounds (-OH, C=O, -CHO, hetroatoms such as S, O, N)

b- Intellectual Skills

b1- Build the graduates capability for experimental work.
b2- Improve the capability of thinking of graduates in the field of practical organic chemistry.

c- Professional and Practical Skills

c1- Be familiar with identification of different functional groups.
c2- Be able to deal with different compounds .

d- General and Transferable Skills

d1- Problem solving.

d2- Enhance the experience in the field of Identification of functional groups.

3- Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Element test	8	-	2
Solubility tests	8	-	2
Acidity tests	8	-	2
Ferric chloride tests	8	-	2
Molish's tests	8		2
NaOH tests	8		2

4– Teaching and Learning Methods

4.1- lab experimentations

5- Graduate Assessment Methods

5.1 written examination to assess comprehension

5.2- practical exam to assess the performance in lab

Assessment Schedule

Assessment 1 short exam (class activities) Every two weeks

Assessment 2 mid-term (practical) Week 8

Assessment 3 final-term (practical) Week 13

Weighting of Assessments

Mid-Term Examination 20%

Final-term Examination 60%

Semester Work 20%

Total 100%

6- List of References

6.1- Course Notes

Prepared in the formed book authorized by the department.

6.3- Recommended Books

Aliphatic chemistry books……..

7- Facilities Required for Teaching and Learning

Laboratory equipments and chemicals.

Course Coordinator:

Head of Department: Prof. Dr. / Adel Nassar

Date: / /