Course Specifications

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

A- Basic Information

Title: practical organic chemistry (3) Code: 3712
Credit Hours: 4h Lecture: 0.0
Tutorial: 4 Practicals: 2 h Total: 8 h

B- Professional Information

1 – Overall Aims of Course

- **Provide the graduate with the essential knowledge about separation.**
- **identify of mixtures which is formed from different organic compounds.**

2 – Intended Learning Outcomes of Course (ILOs)

a-Knowledge and Understanding:

After completing the course the graduate should be able to

a1- Know the separation of organic mixtures via filtration method.
a2- - Identify the different organic compounds.
a3- Study the reaction mechanism of each reaction.

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 separation and identification of mixtures
c2- material science
c3- be able to deal with different compounds

d-General and Transferable Skills

d1- Improve the mode of thinking and self confidence to all the graduates and increase the ability to face and prove and problem in the field of the course.

3- Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Types of mixtures	8	-	8
Acid + acid	16	-	16
Acid + phenol	16	-	16
Acid +base	16	-	16
Acid + neutral	16	-	16
Phenol + neutral	16	-	16
Base + neutral	16	-	16

4– Teaching and Learning Methods

4.1 practical experimentations

5- Graduate Assessment Methods

5.1- practical exam to assess the performance and professionalism

Assessment Schedule

Assessment 1 short exam (class activities) Week 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

prepard in the formal book (department)

7- Facilities Required for Teaching and Learning

luporatore equipments and chemicals

Course Coordinator:

Head of Department: Prof. Adel Nassar
Date: / /