Course Specifications

Programme(s) on which the course is given M.Sc.chemistry

Major or Minor element of programmes: Major

Department offering the programme: chemistry

Department offering the course : chemistry

Academic year / Level:

Date of specification approval: 2010

A- Basic Information

Title: chemistry of Dyes **Code: CH6616**
Credit Hours: 2 h **Lecture: 1** **-**
Tutorial: 0 **Practicals:0** **Total: 2h**

B- Professional Information

1 – Overall Aims of Course

To understand the basic concepts of light absorption and color.
To understand the relation between color and structure**.**

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

a1- Name theories of dyeing..

a2- Illustrate the different structures of dyes stuffs.

b- Intellectual Skills

b1-Predict nomenclature of dyes and the classification of dyes.
b2-Correlate different reactions and preparations of dyes stuffs.

c- Professional and Practical Skills

c1-self learning in the field of dyeing.
c2- Perform a method to distinguish the types of dyes.

d- General and Transferable Skills

d1-Use textbooks and other sources (Library,…)
d2- work effectively individually or as part of a team.
d3- plan their work and meet deadlines**.**

3- Contents

Topic	No. of hours	Lecture	Tutorial /Practical
Chromophoric groups	1	1	-
Classification of dyes	1	1	-
Nomenclature of dyes	2	2	-
Theory of dyeing	1	1	-
A2o- dyes	2	2	-
Dipheny methane dyes	1	1	-
Tripheny methane dyes	1	1	-
Heterocyclic dyes	2	2	-
Fluorescent brightening agents	2	2	-

4– Teaching and Learning Methods

4.1- Lectures

4.2- Open discussions

5- Student Assessment Methods

5.1 written examination to assess the understanding and comprehension
5.2- practical exam to assess the performance, attendance and interesting

Assessment Schedule

Assessment 1 short exam (class activities)	Week every two weeks
Assessment 2 mid-term (written and practical)	Week 8
Assessment 3 final-term (written and practical)	Week 14 and 15

Weighting of Assessments

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

6- List of References

6.2- Essential books (text books)
-"Organic chemistry", I.L.Finar. Printed, volume 2, Fifth Edition, Moreson and

Bayed, 1985.

6.2- Recommended Books
Advanced organic chemistry books.

6.4- Periodicals, Web Sites, etc (None)

7- Facilities Required for Teaching and Learning
Over head projector

Course Coordinator:
Head of Department: Prof. Dr. Ahmed Abdel Megeid

Date: / /