Course Specifications

Programme(s)on which the course is given: Chemistry
Major or Minor element of programmers Major
Department offering the programmer: Chemistry
Department offering the course: Chemistry
Academic year / Level: Fourth
Date of specification approval: 2013

A- Basic Information

Title: Research and essay **Code: CH000**
Credit Hours: 2h **Lecture:2**
Tutorial: 0.0 **Practicals: 2** **Total:2h**

B- Professional Information

1 – Overall Aims of Course

To provide a good information and comprehensive knowledge about special topics in Chemistry. The graduate selects an area in which the graduate desires to read intensively, then selects a staff member who is specialized in that field and together they plan a program for investigation of the literature

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

After completing the course the graduate should be able to

a1- Understand the basic ideas about data collection from different sources of information.
a2- Write a scientific essay and present it orally

b- Intellectual Skills

b1- building the graduate capability to know how can he doing research about special topics
b2- develop the graduate ability to categorize and discuss a scientific issue.

c- Professional and Practical Skills

The graduate will be:

c1- familiar with extraction of information from different sources.

c2- understand the recent publications in Chemistry and other related area in the field of interesting sybjects.

d- General and Transferable Skills

The graduate will be able to:

d1- deal with computer search and using the internet.

d2- Show scientific communication, writing and oral presentation

3- Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Choosing Research topic in dufferent branches of chemistry	2	4	-
How to collect data from different sources	2	4	-
How to extract the information	2	4	-
How to organize the collected information	2	4	-
How to write a scientific reporting	2	4	-
Preparing an essay or a poster, and how to present it	2	4	-
Essay presentation	2	4	-

4– Teaching and Learning Methods

4.1- lectures

4.3- Class discussion and oral communication

4.4- Reporting activities

5- Graduate Assessment Methods

5.1- writing reports to assess collections of information

5.2- Oral presentation to assess comprehension and scientific competencies.

5.3 Class activities to assess building capacity

Assessment Schedule

Assessment 1 mid term exam week 8

Assessment 2 semester activities Weeks 5, 7, 11

Assessment 3 final term written exam week 14

Weighting of Assessments

Mid-Term Examination (Reporting)

20%

Final-term oral presentation

60%

Class activities	**20%**
Total	**100%**

6- List of References

6.1- notes cover the material a specialized area of interesting

6.2- Essential books (text books)

Different books and web sites according the topic being investigated

7- Facilities Required for Teaching and Learning

An Overhead projector, available internet, library, a data show and computer

Course Coordinator:

Head of Department: Prof. Dr Adel Nassar

Date: / /