University : **Benha** Faculty : **Science**

Programme on which the course is given: Spec Chemistry / Applied Chemistry / Chem-physics

Major or minor element of programme. **Major**

Department offering the programme **Chemistry**

Department offering the course **Chemistry**

Academic year/level 2nd year /2nd semester

Data of specification approval 2008

A- Basic Information

Title : **Principles of organic chemistry (2)** code **: 233 Ch/phys**

Credit Hours: Lecture : **3hr/w**

Tutorial: practical : - Total : 3hrs/w

B – Professional Information

1- overall aims of course : At the end of this course the students able to:

a- Know the principles of organic compounds

b- Make different method for identification of organic compounds

c- Make application of compounds used in industry

2- Intended learning outcomes of course (ILOs)

a- Knowledge and understanding :

a1- Nome of aromatic compounds

a2- Classify of organic chemistry

b- Intellectual skills :

b1- How to preparation by different methods

b2- How to differentiate between chemical preparation

b3-Confermed the types of chemical reaction

c- Professional and practical skills

c1- Prepare different kinds of drugs

c2- Convert from compound to another

c3- Differentiate between the compounds

d- General and transferable skills :

d1- Analysis data of organic compounds

d2- Dissolve the problem of environmental related to organic compounds

d3- Manage organic projects

3- Contents

Topic	No. of Hours	Lecture	Tutorial /practical
Principal of organic chemistry	6	6	
Discussion	3	3	
Preparation of organic chemistry	12	12	
Test Mid term	3	3	
Reaction of organic chemistry	9	9	
Final term	3	3	
Total	36	12	

4- Teaching and learning methods

4.1- The content of course

4.2 Field of course

4.3 Discussion

4.4 Examination

5- Student assessment methods

5.1 Discussion **to assess** the understanding

5.2 midterm **to assess knowledge**

5.3 oral **to assess** confirmation of skills

5.4 final term **to asses** the qualification of understanding

assessment schedule

assessment 1 Discussion week **3**

assessment 3 Midterm week **6**

assessment 2 oral week **9**

assessment 4 Quiz 2 week **14**

weightings of assessments

Mid term examination 10 %

Final term examination 80 %

Oral examination 10 %

Practical examination %

Semester work

Other types of assessment %

Total 100%

Any formative only assessment

6- List of references

6.1 Course notes

Note books

6.2 Essential book (text books)

- Solomons, graham – "fundamentals of organic chemistry". 2003
- Francis A. Carey; Organic Chemistry 2002

6.3- Recommended books

- Solomons, graham – "fundamentals of organic chemistry". 2003
- Francis A. Carey; Organic Chemistry 2002

6.4- Periodical web sites … e

Science direct, google.com; Chemweb.com

7- Facilities requires for teaching and learning

Over head project

course coordinator:

Prof. Dr. Mohamed Morsy Azab

head of department

date : 30 / 7 /2007