

Course Specification

A- Basic Information

Programme(s) on which the course is given:	MSc of Genetic engineering and molecular boil.
Department responsible for offering the course:	Zoology
Department responsible for teaching the course:	Zoology
Academic year:	2012-2013
Course title and code:	Histopathology Z 626
Contact hours (credit hours):	Lecture: 2 hrs Practical: 2hrs Total: 3 hrs
Course coordinator:	Prof. Saber Sakr

B- Professional Information

The course aim and intended learning outcomes are based on that mentioned in the programme specifications, with more course-related specific details.

1- Overall Aims of Course: By the end of this course, the student should be able to

- 1- To inform the students with the basic patterns of disease & its mechanism.
- 2-To inform students about the causes of disease, types of cell degeneration , tissue inflammation, necrosis & type of tumors.
- 3- Identify and study the shape and characters of the histopathological lesion.

2- Intended Learning Outcomes of Course (ILOs):

a- Knowledge and Understanding:

- a1- Define type of disease.
- a 2- Differentiate between the normal and abnormal tissue.
- A 3- Identify the histopathological alterations of different tissues.

b- Intellectual Skills:

- b1- Identify the cell disorders..
- b2- List chemotherapeutic agents
- b3- Interpret the net results according to their validity.

c- Professional and Practical Skills:

c 1- Apply the available tools and stains to detect the tissue alterations..

c 2- Compare between normal and abnormal tissues.

C 3- Develop skills in observations.

d- General and Transferable Skills:

d1:Develop skills in reading and researching.

d2:Develop team work skills

d3:Use different sources of informations .

3- Course Contents

Topic	No. of hours	Tutorial/ Practical	Lecture
Type & causes of diseases	4	2	2
Cell degeneration and necrosis	4	2	2
Inflammation	4	2	2
amyloidosis	4	2	2
Liver cirrhosis	4	2	2
schistomasis	4	2	2
Oncology	4	2	2
Examples of tissue tumors	2	1	1

4- Teaching and Learning Methods

- Lectures.
- Practical sessions.
- Writing essays.
- Oral presentation.

5- Student Assessment Methods

- Essays
- Oral exams
- Written exams.
- Practical exams.
- Quizzes.

Assessment schedule

Assessment 1	Essay	Week 1 essay/term
Assessment 2	Oral exam	Twice/term
Assessment 3	Mid-term exams	Week 7
Assessment 4	Semester Work Exam	Week 10
	Assessment 5	Final term exam
		Week 14

Weighting of assessments

20%	Mid-term examination
40%	Final-term examination
10%	Oral examination
20%	Practical examination
10%	Semester work
100%	Total

6- List of references

6.1- Course Notes:

- * Lecture notes.

6.2- Essential books (text books)

- * The book of Histopathology.

6.3- Recommended books:

- * A notes in histopathology.

6.4- Periodicals, Web sites....Etc:

- * Journal of pathology; cancer Research, Oncology.

7- Facilities required for teaching and learning

- * Dark room equipped with overhead and LCD projector.
- * Laboratory with suitable equipments.
- * Librarian facilities.
- * Computers with internet Access.

Course coordinator: Prof. Saber Sakr
Head of Department: Prof. Saber Sakr