

Histology And Cell Biology 2

HISTOLOGY 2 COURSE SPECIFICATION

2016-2017

University: Assiut

Faculty: Medicine

Department: Department of Histology and Cell Biology

1- basic course information

Course title: Histology 2

Code: Amed04

Academic year / Level: Second year

Programme(s) on which the course is given: M.B.B.Ch. program

Department offering the course: Department of Histology and cell biology

Lecture: 60 hours

Tutorial/practical: 60

Total : 120 hours

Course specification approval:10-2016

Last revision:10-2016

External evaluator:

prof. Maher Emara. Ain Shams University

Prof. Somaya Abd Elaleam . Ain Shams University

Prof. Soaad Abd El Goad . El Azhar University

Prof. Eman Abo Deif. Sohage University

Asst. Prof. Doha Saber. Sohage University

Asst. Prof. Eman Khalifa. Sohage University

2- Overall aims

By completion of this course, the students are able to:

- To provide the student with the knowledge about the different types of tissues
- To provide the student with an appropriate background about the relationship between the structure of each cell components with their functions.
- To provide the student with an appropriate background about the structure and function of the body and its major organ systems and of the molecular and cellular mechanisms.

3- Intended learning outcomes (ILOs)

A- Knowledge and understanding

By the end of the course, students should be able to:

- 1- Describe normal histological structure of various systems (skin, respiratory, digestive, endocrine, urinary, male & female genital, eye & ear). A5
- 2- Mention the relation between the endocrine system and the structural and functional variations in some other systems, especially male and female reproductive systems. A7
- 3- Describe the distinguishing structural features of organs, regions and cell types present in each system and relate the structural variations to differences in organ function. A5 &A7
- 4- Adopt the principles of lifelong learning. A20

B- Intellectual skills

By the end of the course, students should be able to:

- 1- Correlate between histological structure, function of different organs of all systems and clinical data. B1
- 2- Recognize the most important diagnostic features that characterize each tissue . B2
- 3- Correlate between the blood supply of some organs and their structure and specialized functions. B2

C- Practical and professional skills

By the end of the course, students should be able to:

- 1- Examine various types of special stains for various organs. C1
- 2- Use the microscope to differentiate between the structural features and different tissue elements of each organ. C1
- 3- Use the microscope to differentiate between different organs in histological slide seen under the microscope. C1
- 4- Draw with labeling histological slides seen during the course. C1
- 5- Draw diagrams of different levels in the spinal cord & brain stem

D- General skills

By the end of the course, students should be able to:

- 1- display the importance of life long learning and show a strong commitment to it . D14
- 2- verify the use of the sources of biomedical information to remain current with advances in knowledge and practice. D11 & D12
- 3- display freely, keeping an ethical behavior and improve his capability to describe and discuss. D12

4- communicate with his colleagues in the resources of practical laboratories.

D17

5- share in the work efficiently with the instruments and equipments of the department in a responsible manner keeping them intact and clean. D16

4- Course Contents

Topic	No. of Hours	Lecture	Tutorial / Practical
Skin	8	4	4
Endocrine system	8	4	4
Respiratory system	8	4	4
Digestive system	22	12	10
Urinary system	10	6	4
Male genital system	10	6	4
Female genital system	12	6	6
The eye	10	6	4
The ear	8	4	4
The spinal cord and cerebral cortex	6	2	4
The medulla oblongata and cerebellum	6	2	4
The pones	6	2	4
The mid brain	6	2	4
Total	120	60	60

5- Teaching and learning Methods

1- Lectures for knowledge and intellectual skill outcomes.

2- Practical sessions to gain practical skills and using Practical book for drawing

3-Monitoring the colored slides through the closed circuit for reassurance

4- E learning (All practical part (slides) and questions of different topics available online for student's assessments).

Facilities required for teaching and learning

1-White board

2- Overhead projectors

3- Microscopes

4- Closed circuit Monitors

5- Data show for power point presentations

6- E-Learning

6- Teaching and learning methods for students with learning difficulties:

- 1- Lectures
- 2- Discussion sessions
- 3- Practical sessions to gain practical skills and using Practical book for drawing
- 4-Monitoring the colored slides through the closed circuit for reassurance
- 5- Special low price classes outside the teaching schedule

7- Student assessment :

A- Methods of assessment

- 1- Written exams (short essay and MCQs) to assess knowledge and intellectual skills (a1-a4, b1-3)
- 2- Oral exam to assess knowledge, general and intellectual skills (a1-a4, b1-b3,D1-D5)
- 3- Practical exam to assess intellectual, practical and general skills (B1-B3, c1-c5,D1-D5,)
- 4- Course assignment and practical book to assess practical and general skills (c1-c5, D1-D5).

B-Assessment schedule

Assessment 1: Practical assessment by the end of the 11th week

Assessment 2: Mid term assessment

Assessment 3: Final practical examination by the end of the 20th week

Assessment 4: Final written examination by the end of the 24th week

Assessment 5: Final oral examination by the end of the 24th week

Assessment 6: Course assignment and practical book

C- Weighting of assessments

Assessment (1): Mid term MCQ assessment	13.4%
Assessment (2): Final Practical Examination (Drawing & Slides exam.)	16.6%
Assessment (3): Final written Examination	50%
Assessment (4): Final Oral Examination	13.4%
Assessment (5): Course assignment (practical book)	6.6%
Total	100%

8- List of references

1-Course Notes

- Department undergraduate book of Histology Department 2017
- Colored Atlas of Histology 2017

2- Essential Books (Text Books): Basic Histology 2016

3-Recommended Books: Fawcett 1998

4- Periodicals and Web Sites of Histology

Course coordinator: *Prof. Dr. Amal Taha Abo- Elghait*

Dr.Ola Abd El Tawab

Dr.Heba Alaa. Mubarak

Head of Department: Prof. Dr. Amal Marzouk

Date:10-2016