

Histology 1

Course Specifications

First year of M.B.B.Ch. Program

(2nd semester)

Histology 1

Course specifications:

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

Major elements of program

Department offering the program: All Departments

Department offering the course: Department of Histology

Date of specification approval :3\2010

Date of modification: 11\2018

Academic year / Level: First year (2nd semester)

A- Basic information

Title: 1- cell physiology (histology course), Code: CPH102,

Credit hours/ week: - Lectures: 1 hours - practical: 1/2 hour

- Total: 1 1/2

Note: this course is taught in integration with the corresponding course of physiology.

B-Professional information

1-Overall aims

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

- Demonstrate knowledge of the structures, functions, cellular components and molecular constructions of the cartilage & bone.
- Mention and describe the histological structure of muscular tissue and the mechanism of muscle contraction.

2- Intended learning outcomes (ILOs)

A- Knowledge and understanding

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

- A1-Describe the composition of the cartilaginous tissue (cells and matrix)
 A2-Identify different types of cartilage (hyaline, elastic and white fibrocartilage).
 A3-Describe the composition of the bone tissue (cells, organic and inorganic matrix).
 A4-Identify different types of bone (compact and cancellous).
 A5- Identify different types of muscles (skeletal, cardiac and smooth).

B-Intellectual skills

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

- B1-Study bone growth ; intramembranous and endochondrial.
 B2-Identify types of epidermal cells.

C- Professional skills

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

- C1-Differentiate between different types of cartilage.
 C2- Differentiate between different types of bone.
 C3-Differentiate between different types of muscle fibers.

D- General skills

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

- D1- Appreciate the importance of life long learning and show a strong commitment to it.
 D2- Use the sources of biomedical information to remain current with advances in knowledge and practice.

3-Course Contents

Topic	No. of credit Hours	Lecture	Tutorial / Practical
1-cartilage (composition & types)	3	2	1
2- bone (composition, types & bone growth)	6	4	2
3- muscular tissue	4	3	1
Total	13	9	4

4- Teaching and learning Methods

- 4.1- Lectures.

4.2- Practical sessions to gain practical skills.

4.3- Practical book for drawing.

- Student assessment Methods

5.1- Written exams (short essays and MCQs).

5.2- Oral exam.

5.3- Practical exam (Identification of histological slides).

5.4- Course assignment and (practical) book to assess.

5.5- Attendance Criteria: The minimal acceptable attendance is 75%.

Assessment schedule of the 1st turn

Assessment1: Periodic and mid term MCQ assessment.

Assessment 2: Final practical examination.

Assessment 3: Final written examination.

Assessment 4: Final oral examination.

Assessment 5: Final drawing examination.

Assessment 6: Course assignment (practical book).

Weighting of assessments of the 1st turn

Periodic and mid term MCQ assessment	10 marks	22,2%
Final practical examination	5 marks	11, 1%
Final written Examination	16 marks	35 , 5%
Final Oral Examination	5 marks	11, 1%
Final drawing examination	6 marks	13, 3%
Course assignment (practical book)	3 marks	6, 6%
Total	45 marks	100 %

6- List of references

6.1- Essential Books (Text Books):

Junqueira, Carneiro and Kelly(2008) L.C,2016 Basic Histology,7th ed

.Librairie du liban and Lang buruit ,London ,New York

6.2-Recommended Books:

Fawcett (2006):A Text book ofHistology ,12th edition .Chapman and Hall. New york ,London

6.3- Periodicals and Web Sites of histology

7- Facilities required for teaching and learning

1_ Accommodation :

lecture room ,smart board to write on and computer

2_ computing resources :

Computer lab and internet lab

3_ other resources :

Library, seminar room ,

Wi-Fi internet connections .

Microscopes.

well-prepared glass slides for different tissues stained by routine and special stains.

Course coordinator: Dr. Eman Ahmad Abd El-Rahim

6.3- Periodicals and Web Sites of histology

7- Facilities required for teaching and learning

7.1- White boards.

7.2- Overhead projectors.

7.3- Microscopes.

7.4- Data show power point.

7.5-well-prepared glass slides for different tissues stained by routine and special stains.

Course coordinator: Dr. Eman Ahmad Abd El-Rahim

د. Eman أحمد عبد الرحيم