

Histology 2 Course Specifications

Faculty : Medicine
Department : Histology & Cell Biology

Course Specifications

Programme(s) on which the course is given : MB.B ch.
 Major or minor element of programmes : Histology & Cell Biology
 Department offering the programme : Histology & Cell Biology
 Department offering the course : Histology & Cell Biology
 Academic year / level : 2nd year Medical students
 Date of specification approval : 24/2/2016

A- Basic information

Title: Histology 2 Code: HIS2
 Lecture: 2 Tutorial: 1 Practical 1.5 Total: 4.5 (hour/week)
 Total:
 Lectures: 60 hours Tutorial: 30 Practical: 45

B- Professional Information**1 - Overall Aims of Course**

This course aims to help students to:

- 1- know histological structure of normal organs of various body systems and correlate between the histological structure and functions of various tissues and organs
- 2- know various parts of the CNS regarding levels of various sections in the brain stem as well as different pathways of both ascending sensory tract and descending motor tracts
- 3- Acquire the skill to recognize different normal organs under microscope

2 – Intended Learning Outcomes of Course (ILOs)**a- Knowledge and Understanding**

- a 1- Describe normal histological structure of the skin.
- a 2- Describe normal histological structure of the digestive system
- a 3- Describe normal histological structure of the endocrine organs.
- a 4- Describe normal histological structure of the urinary system
- a 5- Describe normal histological structure of the reproductive systems
- a 6- Describe normal histological structure of the special sense organs and receptors.
- a 7- Describe various levels of sections in the spinal cord , pathways of ascending sensory tracts & descending pyramidal & extrapyramidal tracts.
- a8- Describe various levels of sections in the brain stem, types of lemnisci & medial longitudinal bundle.
- a 9- Describe both cerebrum & cerebellum with its various connections
- a 10- describe ultrastructure of different cells studied in various organs

b- Intellectual Skills

- b1- Correlate between histological structure & function of different organs of all systems
- b2- Correlate the histological structure and functions the different levels of spinal cord & brain stem, cerebellum & cerebrum

c- Professional and Practical Skills

- c1- Illustrate various types of special stains to identify variuos organs
- c2- Diagnose & differentiate between different organs in histological slide seen under the microscope
- c3- Label diagrams of different levels in the spinal cord & brain stem
- c4- Elicit the different levels of spinal cord & brain stem, cerebellum & cerebrum
- c5- Draw and label the structures they have seen under light microscope during practical classes

d- General and Transferable Skills

- d1- Adopt 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
d3- Collect information to enhance self study and education
d4- Express themselves freely and adequately by improving their descriptive capabilities and presentation skills and enhancing their communication skills..

3 – Contents

Topic	No. of hours	Lecture	Practical
Skin	9	4	5
Lip & tongue	4.5	2	2.5
Digestive Tract	18	8	10
Digestive Glands	14.5	7	7.5
Endocrine Glands	11.5	4	7.5
Urinary System	9	4	5
Male Genital System	11.5	4	7.5
Female Genital System	12.5	5	7.5
The Eye	6.5	4	2.5
The Ear	4.5	2	2.5
Nerve Endings	4.5	2	2.5
Spinal Cord	9.5	7	2.5
Brain Stem	15	5	10
Cerebellum, Cerebrum	4.5	2	2.5
Total	135	60	75

Content- ILOs matrix:

	A										B		C					D			
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	C1	C2	C3	C4	C5	D1	D2	D3	D4
Skin	√									√	√		√	√			√		√		√
Lip & Tongue		√															√				
Digestive tract		√								√	√		√	√			√			√	√
Digestive glands		√								√	√		√	√			√	√			√
Endocrine glands			√							√	√		√	√			√	√			√
Urinary system				√						√	√		√	√			√				√
Male genital system					√					√	√			√			√	√			√
Female genital system					√					√	√			√			√	√			√
The eye						√				√	√			√			√			√	√
The ear						√				√	√			√						√	√
Nerve endings						√				√	√			√			√			√	√
Spinal cord							√			√	√	√	√	√	√	√			√		√
Brain stem								√		√	√	√	√	√	√	√		√	√		√
Cerebellum and cerebrum								√	√	√		√	√	√		√		√	√		√

4- Teaching and Learning Methods:

- 4.1- Lectures: - For large group (whole students) in the auditorium.
- For the small groups in the practical laboratory.
- 4.2- Self-learning:
Students are divided into small groups (5 students each); each group is issued a topic for working as a team (to search on it, collect information and present it in a power point presentation) and present them in front of their peers and senior staff. A soft copy of presentation is collected at the end of the round.
- 4.3- Practical sessions to gain practical skills & drawing.

5- Student Assessment Methods:

	A										B		C					D			
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	C1	C2	C3	C4	C5	D1	D2	D3	D4
Written Exams: (Short Essays & MCQ)	√	√	√	√	√	√	√	√	√	√	√	√						√			
Structured Oral Exams	√	√	√	√	√	√	√	√	√	√	√	√						√			
Structured Practical Exams												√	√	√	√	√	√				
Course Assignment: -Presentation																		√	√	√	√
- Practical book																	√				
- Log book	√	√	√	√	√	√	√	√	√	√	√	√									

Assessment Schedule

Assessment 1
Assessment 2
Assessment 3
Assessment 4
Assessment 5

MCQ mid-year assessment

Course assignment (presentations, practical & log books)

Final practical examination

Final written examination+ MCQ

Final structured oral examination

Weighting of Assessments

Assessment 1	13.3%	20 degrees
Assessment 2	6.7%	10 degrees
Assessment 3	20%	30 degrees
Assessment 4	50%	75 degrees (50 short essays (67%) +25 MCQ (33%))
Assessment 5	10%	15 degrees
Total	100 %	150 degrees

7- List of References:

- 7.1- Course Notes
- 7.2- Essential Books (Text Books)
- 7.3- Recommended Books Basic Histology, Bloom & Fawcet Histology and Ham's Histology
- 7.4- Periodicals, Web Sites <http://www.med-ed-online.org>

8- Facilities Required for Teaching and Learning

- 8.1- Over head projector
- 8.2- Data show power point
- 8.3- Board and chalk
- 8.4- Smart board
- 8.5- Microscopes, histological slides
- 8.6- Library
- 8.7- CDs
- 8.8- Internet

Course Coordinator : **Dr. Samar Asker**
Dr. Dalia Abdelrahman Shabaan

Head of Department : **Dr. Salwa Gawish**
24/2/2016