

توصيف مساق علم الأنسجة العملي (Practical Histology)

1. معلومات مدرس المساق (Instructor)

اسم (مدرس / منسق) المساق :	Dr. Rana Ahmad Almuher
الساعات المكتنبة : المكتنبة :	(Sunday, Tuesday, Thursday) 1:00 – 12:00 Wednesday 1:00 – 2:00
رقم المكتب والرقم الفرعي :	Ibn Rushd Building
البريد الإلكتروني :	raa076@aabu.edu.jo
مساعد البحث والتدريس/المشرف/الفي (إن وجد):	-----

2. وصف المساق (Course Description)

This course provides practical introduction to the microscopic anatomy of animal tissues and organs. It covers the cellular architecture of tissues and provides deep insights into the workings of the body. Through the course students will be able to examine histological slides for the different tissue types, as well as different organs' section, and identify the types of tissues present, their roles, and the relationship between structure and function.

3. بيانات المساق (Course Title)

رقم المساق: 0404464	اسم المساق: علم الأنسجة العملي	المستوى: السنة الرابعة
طبيعة المساق: عملي	المتطلب السابق: متزامن مع علم الأنسجة	وقت المحاضرة: 11:00 – 2:00
العام الجامعي: 2019/2020	الفصل الدراسي: الأول	عدد الساعات الدراسية: 3

4. أهداف المساق (Course Objectives)

To provide basic knowledge concerning the structure and function of normal cells, tissues and organs in animals and human. To examine and analyze prepared sections using light microscopy and micrographs. To differentiate the various histological structures from each other. To uncover the functional correlations with some elements of clinical significance.

5. مخرجات التعلم (Intended Student Learning Outcomes)
(المعرفة والمهارات والكفايات)

يفترض بالطالب بعد دراسته لهذا المساق أن يكون قادراً على:

- 1- Recognize and differentiate the different tissue types under light microscope of H&E stained slides
- 2- Identify the differential characteristics of cells, tissues, and organs
- 3- Explain the relationships of structure and function

- 4- Compare normal with abnormal tissues at the light microscopic level
 5-Demonstrate critical thinking skills to describe possible pathologic outcomes of dysfunctional cells and tissues
 6- Develop communication skills by effective interaction with peers and academic staff

6. محتوى المساق (Course Content)

Week	Topics
1	Overview of the course :Lab Instructions
2	Epithelial tissue
3	Nervous Tissue
4	Muscular tissue
5	Connective Tissue
6	Cartilage
7	Midterm Exam
8	Circulatory system
9	Urinary system
10	Digestive System
11	Male Reproductive System
12	Female Reproductive System
13	Skin
14	Revision
15	Final Exam

7. استراتيجيات التعليم والتعلم وطرق التقويم
 (Teaching and learning Strategies and Evaluation Methods)

ت	مخرجات التعلم	استراتيجيات التدريس	أنشطة التعلم	نوع التقويم/القياس (امتحان/عروض صفية/مناقشة/واجبات)
1	To identify the microscopic anatomy of the major tissue types and organ systems of the animal body.	Powerpoint presentations	To study prepared histological slides To prepare drawings of studied tissues and sections	Histology exercises and quizzes
2	To relate body systems and organs with their tissues structure	Powerpoint presentations	Discussions	Homework
3	To discuss structure/function connection	Using animations to illustrate basic histological principles, integrate histological structure with physiological function	Interpreting micrographs, and games exploring the structure/function relationship	Discussions
4	To differentiate normal histological sections from pathological ones	Interpreting micrographs	Team work & Discussions	Histology exercises
5	To value bodily specializations related to animal physiology and behavior.	ppt	Discussions	Homework

homework assignments & Students` prepared presentations	Team work & class Discussions	Using prepared histological sections, and micrographs	To develop spatial visualization, logical reasoning, and verbal communication.	6
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8. تقييم الطلبة (Assessment)

توزيع الدرجات لكل أسلوب	توقيت التقييم	الأساليب المستخدمة
25	الأسبوع السابع	2-امتحان منتصف الفصل
15	1/اسبوع	2-تقارير و اعمال الفصل
10	3/ الفصل	3- اختبارات قصيرة
50	أسبوع الامتحانات النهائية	3-امتحان نهائي

9. الكتاب المقرر (Text Book)

Text Books: Junqueira's Basic Histology, Text and Atlas, 14th edition, By Anthony L. Mescher	المرجع الرئيس
A. L. Mescher	المؤلف
	الناشر
2016	السنة
14 th edition	الطبعة
	الموقع الالكتروني للمرجع

10. المراجع الإضافية (References) (وتشمل الكتب والبحوث المنشورة في الدوريات او المواقع الالكترونية)

<i>Histology: A text and atlas</i> M.H. Ross and W. Pawlina. 7th ed., 2015 (or earlier editions)	1
Color Textbook of Histology, 4th edition, by Leslie P. Gartner and James L. Hiatt. Recommended reading	
Basic Histology, 9 th ed., Junqueira, Carneiro, and Kelley. Text/Atlas of Histology, T. Lesson, C. Lesson and A. Paparo.	2
Color Atlas of Histology, 3 rd ed., Gartner and Hiatt.	
Web based resources: http://www.histologyguide.org/index.html	3