

Anatomy of endocrine system course plan

Semester: Second	Year: 2024-2025				
M.D. program Course Syllabus					
Course Title: Anatomy of the Endocrine System Theoretical & Practical	Department: Department of Anatomical Sciences				
Course Code: 1234139	Instructors: Dr. Hossein Salehi: Histology and Embryology Dr. Khanezad: Anatomy				
Location of teaching the course: Class 204	Credit Hours: 6 hours (Theo) and 2 hours (Prac)				
Prerequisite: none	Credit Units: 0.4 (0.28 Theo. and 0.12 Prac.)				
Office address: Faculty of Medicine, Department of Anatomical Sciences					
Tel: 031-37929157	Email: ho_salehi@med.mui.ac.ir				
Number of students : 71					
Brief course description: This course covers the endocrine system from the standpoints of embryology and anatomic and histologic structure of endocrine organs.					
Learning outcomes: On satisfying the requirements of this course, students will have the knowledge and skills to: <ol style="list-style-type: none"> 1. Explain the anatomical position and relations of endocrine glands. 2. Identify and describe the major histological structures of hypophysis gland. 3. Discuss the histological structural of adrenal gland. 4- Describe the major histological structures of thyroid and parathyroid glands. 5- Identify and describe the major histological structures of pineal gland and endocrine part of pancreas. 6- Describe the development of endocrine glands. 6- Discuss some clinical points related to endocrine system. 					
References (Text books): 1- Histology textbook: Basic histology: Text & Atlas (chapter 20) By: Junqueira, LS & Carneiro, J (preferably the latest edition). 2- For embryology and anatomy: Professor booklet (gathered from Embryology Textbook: Langman's Medical Embryology By: T. W. Sadler (preferably the latest edition and Gray's Anatomy for Students)					
ASSESSMANT TOOLS (The assessment tools that will be used to test students ability to understand the course material and gain the skills and competencies stated in learning outcomes) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">ASSESSMENT TOOLS</td><td style="width: 40%;">From 20</td></tr> <tr> <td>Final Exam</td><td>15</td></tr> </table>		ASSESSMENT TOOLS	From 20	Final Exam	15
ASSESSMENT TOOLS	From 20				
Final Exam	15				

Practical	4
Class activities	1
TOTAL MARKS	20

Students responsibilities:	
1- Prepare for the class in advance 2- Break down every system into its basic components. 3- Use the lectures outline (PowerPoint presentations) and handouts (if any) as a guideline for your study. 4- Study the course components using the required book, atlas and the websites. 5- Reconstruct the system so that it is functional and understandable. 6- Students are expected to spend 2-3 hours studying for each hour in class. 7-By now the students are expected to <u>end up with an understanding</u> of the subject. 8-The students' understanding will be evaluated and given a grade using MCQs and/or any form of evaluation.	

ATTENDANCE RULES	
Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class. <ul style="list-style-type: none"> Absence of one session will result in a first written warning. Absence of two sessions or more will result in a 0.25 point deduction on the final score for each session. Absence of more than three session will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records. In laboratory, lab coats are mandatory, no student will be allowed in the lab without a clean lab coat. Students are expected to act in a civil manner and respect the rights and opinions of other students and the instructor. Student/Instructor interaction is a function of the learning experience and should be approached in a manner conducive to the learning process. Use of Mobile Devices, Laptops, etc. During Class, unexpected noises and movement automatically divert and capture people's attention, which means you are affecting everyone's learning experience if your cell phone, laptop, etc. makes noise or is visually distracting during class. For this reason, students are required to turn off their mobile devices and close their laptops during class.	

Department' s Attitudes	
Ethics, Critical thinking, hard work and discipline: Examination attitudes Any evidence of cheating on a test will result in the student receiving (0 mark) for the test and will be announced through the lectures so all the students will be informed. The instructor will be the final authority on whether cheating has occurred. Cellular phones and notebooks are band and disruptive and are not allowed during the exam periods because they mean an act of cheating, therefore students are advised to enter the exams without them.	

Mid exam date:	Final exam date:
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COURSE SYLLABUS					
	Chapter	Page	Course topics	Time (Hour)	Date

	Histology textbook 20 and Professor Notes	423-427 Professor Notes	Histology and Embryology of Hypophysis Gland	2	12/01/2025
	Histology textbook 20 and Professor Notes	434-437 Professor Notes	Histology and Embryology of Adrenal Gland, and Pancreas	2	19/01/2025
	Histology textbook 20 and Professor Notes	429-434 Professor Notes	Histology and Embryology of Pineal, Thyroid and Parathyroid Glands	2	26/01/2025
	Gray's Anatomy for Students 23, 29, 69 and 71	470-471 432-440 566-567 534 362-363 1198-1194 1187-1179	Anatomy of Hypophysis Pineal Glands and Pancreas, Adrenal, Thyroid and Parathyroid Glands	2	09/04/2025
Practical section					
	Course topics			Time (Hour)	Date
	Practical histology: Slides of hypophysis, adrenal, thyroid, pancreas glands			2	05/02/2025
	Anatomy of Endocrine system			2	Anatomy Section