

Anatomy, Histology and Embryology of the cardiovascular system theoretical course plan

Semester: 3 rd	Year: 2022-2023
M.D. program Course Syllabus	
Course Title: Anatomy, Histology and Embryology of the cardiovascular system theoretical	Department: Department of Anatomical Sciences
Course Code: 1234159	Instructor: Dr. Mehrnoush Malekzadeh
Location of teaching the course: Class 209	Credit Hours: 11.06
Prerequisite: none	Credit Units: 0.7
Office address: Faculty of Medicine, Department of Anatomical Sciences	
Tel: 031-37929156	Email: mehrnoush.malekzadeh@med.mui.ac.ir
Number of students :	
Brief course description:	
This course covers the Respiratory system from the standpoints of embryology and anatomic and histologic structure of Respiratory system.	
Learning outcomes:	
On satisfying the requirements of this course, students will have the knowledge and skills to:	
<ol style="list-style-type: none"> 1- Describe the major histological structures of Larynx. 2- Identify and describe the major histological structures of Trachea and lung. 3- Construct a temporal sequence of key events in each developmental period. 4- Explain and identify normal respiratory system and plural cavity development and identify anomalies in development of lung through a comparison of normal and abnormal development. 8- Integrate and apply embryology to adult human gross anatomy 	
References (Text books):	
<ol style="list-style-type: none"> 1- Histology textbook: Basic histology: Text & Atlas (chapter 11) By: Junqueira, LS & Carneiro, J (preferably the latest edition). 2- Langman's Medical Embryology (chapter 13) By: T. W. Sadler 3- 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)	
ASSESSMENT TOOLS	From 20
Midterm Exam	6
Final Exam	8
Class activities	2

Practical Exam	4
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 end up with an understanding 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.

- 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:

COURSE SYLLABUS

	Chapter	Page	Course topics	Time (Hour)	Date
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			Anatomy of respiratory system and pleura	4	1/10/2023 8/10/2023
			Histology of respiratory system	2	15/10/2023
			Formation of nasal cavity, pharynx, larynx and Development of lung and pleural cavity	3	22/10/2023 29/10/2023