



Jordan University of Science and Technology
Faculty of Medicine
Doctor Of Medicine (Md) Department

MED364 Cardiovascular System - JNQF Level: 7

Second Semester 2022-2023

Course Catalog

6 Credit Hours. This is an interdisciplinary integrated module of the cardiovascular system. The basic sciences of anatomy, physiology, biochemistry, pathology, and pharmacology of the cardiovascular system are correlated with a set of clinical disorders of the system. The goal of this integrated course is to provide medical students with comprehensive knowledge about components of the cardiovascular system related to clinical manifestations of diseases. The teaching methods include lectures, laboratories, as well as small group discussions of clinically oriented problems to enhance self-directed learning. This knowledge is supported by skills-developing laboratory activities and clinically oriented activities. Research ideas with specific embedded objectives are also included to emphasize social responsibility, evidence-based medicine, community service, and innovative thinking.

Text Book

Title	Clinical Anatomy by Regions
Author(s)	Richard S. Snell
Edition	9th Edition
Short Name	1
Other Information	Anatomy

Course References

Short name	Book name	Author(s)	Edition	Other Information
2	Grant's Atlas of Anatomy	Anne M. R. Agur and Arthur F. Dalley II	15th Edition	Anatomy

Instructor

Name	Dr. Wafaa Mahmoud
Office Location	-
Office Hours	
Email	washunnaq@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Mon, Wed : 10:30 - 11:30

Room: مدرج د. سعد حجازي

Section 2:

Lecture Time: Sun, Tue : 13:30 - 14:30

Room: مدرج د. سعد حجازي

Section 3:

Lecture Time: Mon, Wed : 13:30 - 14:30

Room: MIDDLE HALL

Section 4:

Lecture Time: Sun, Tue : 10:30 - 11:30

Room: MIDDLE HALL

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Students will describe the anatomical, histological, developmental, biochemical, and physiological basis of the human cardiovascular system. [1PLO1] [1L7K1]	30%	
Students will explain the symptoms, signs, investigations, forms of treatments, major causes, pathogenesis, morphological changes, complications, and epidemiological aspects associated with anomalies and disease processes affecting the cardiovascular system. [1PLO1, 1PLO4, 1PLO6] [1L7K1]	20%	
Students will apply knowledge from anatomy, physiology, pathology, biochemistry, and pharmacology to solve clinical cases related to the cardiovascular system. [1PLO1, 1PLO4] [1L7S1, 1L7S2]	15%	
Students will develop critical thinking skills in diagnosing and managing cardiovascular conditions through interactive case studies. [1PLO1, 1PLO4] [1L7S3]	5%	
Students will demonstrate the ability to integrate knowledge from various disciplines to provide complete patient care in cardiovascular medicine. [1PLO1, 1PLO4, 1PLO6, 1PLO9] [1L7C4]	5%	
Students will demonstrate the ability to communicate their findings professionally in small group practical sessions, both in written and verbal forms, highlighting a thorough understanding of their theoretical knowledge. [1PLO1] [1L7C3]	20%	
Students will develop advanced proficiency in decision-making for the diagnosis, treatment, and prevention strategies related to cardiovascular disorders. [1PLO1, 1PLO4, 1PLO6] [1L7C1, 1L7C2]	5%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12	PLO13	PLO14
69.58			19.58		9.58			1.25					

Relationship to NQF Outcomes (Out of 100%)							
L7K1	L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
50	7.5	7.5	5	2.5	2.5	20	5

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