

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Medical Physiology 1 Lab
Course number	DENT2122
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - This course provides students with basic aspects of medical physiology related to the pulmonary cardiovascular and gastrointestinal systems - Provide knowledge about the neuronal and hormonal control of the related organs, and on body responses and adaptation to various stress conditions and physiological disorders - In addition a physiology lab will include 6 experiments related to the pulmonary, cardiovascular and gastrointestinal systems
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Intended Learning Outcomes

Knowledge and Understanding	* The student should understand the basics of human circulation * The student should understand the basics of human food digestion and absorption Intellectual Skills The student should understand the basics of human respiration The student should understand the regulation of different systems The student should understand the control of blood pressure
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Course Contents

1 - - Pulmonary Ventilation - Mechanics of Pulmonary Ventilation - Pulmonary Volumes and Capacities - Pulmonary Circulation, Pulmonary Edema, Pleural Fluid 483 Physiologic Anatomy of the Pulmonary Circulatory System - Blood Flow Through the Lungs and Its Distribution - Effect of Hydrostatic Pressure Gradients in the Lungs on Regional Pulmonary Blood Flow - Physical Principles of Gas

Teaching and Learning Methods

1 - 2 - Seminars 3 - Group discussions
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