

**CIU FACULTY OF MEDICINE**  
**PHASE II COMMITTEE 3 (MDCN203) Cardiovascular & Respiratory Systems**  
**17.11.2022 - 28.12.2022**

CODE	LECTURE				HOUR
		Theoretical	Practical	Active Learning	Total
<b>Course Lessons</b>					
MDCN 222	Histology&Embryology	13	4	0	17
MDCN 214	Medical Biochemistry	8	0	0	8
MDCN 230	Anatomy	19	11x2	0	41
MDCN 218	Biophysics	6	0	0	6
MDCN 224	Physiology	37	8x2	0	53
MDCN 238	Immunology	7	0	0	7
<b>TOTAL:</b>		90	42	0	132

<b>Vertical Courses</b>					
MDCN 255	Integrated Case Study	0	0	6	6
<b>TOTAL:</b>		0			6

<b>Corridor Courses</b>					
MDCN 249	Early Observation of Clinics	16	0	0	16
MDCN 207	Study Modules	5		6	11
<b>TOTAL:</b>		21		6	27

**SUMMATIVE EXAM: 28.12.2022**

**\*\*Mandatory attendance: The student has to attend at least 70% of the theoretical lessons and 80% of the laboratory and active learning hours.**

<b>COURSE ACADEMIC STAFF</b>					

MDCN 222	Histology&Embryology	Assist. Prof. Dr. Handan Dogan-Assist. Prof. Dr. Münevver Serdaroğulları
MDCN 214	Medical Biochemistry	Assoc. Prof. Dr. Kerem Teralı
MDCN 230	Anatomy	Assoc. Prof. Dr. Sirajo Bello -Assoc. Prof. Dr. Sevda Lafcı Fahrioğlu
MDCN 224	Physiology	Dr. Ali Alkaleel- Dr. Lubna Al-Gailani
MDCN 238	Immunology	Dr. Hüsniye Işın
MDCN218	Biophysics	Assoc. Prof. Nahit Rızaner
MDCN 255	Integrated Case Study	Assist. Prof. Dr. Sevda Diker
MDCN 249	Early Observation of Clinics	Dr. Lübna Al-Gailani
MDCN 207	Study Modules	Assoc. Prof. Dr. Sevda Lafcı Fahrioğlu Assoc. Prof. Dr. Sirajo Bello Assist. Prof. Dr. Handan Dogan Dr. Lubna Al-Gailani

## 2022-2023 Academic Year PHASE II - Committee III (MDCN 203) Cardiovascular & Respiratory Systems

Thursday, November 17th, 2022	08:30-09:20	Histology of the heart and blood vessels	Histology and Embryology	Thereotical
	09:30-10:20	Histology of the heart and blood vessels	Histology and Embryology	Thereotical
	10:30-11:20	Histology of the heart and blood vessels	Histology and Embryology	Thereotical
	11:30-12:20	Lunch Break		
	12:30-13:20	The Heart and the Pericardium	Anatomy	Thereotical
	13:30-14:20	The Heart and the Pericardium	Anatomy	Thereotical
	14:30-15:20	Free time	Anatomy	Thereotical
	15:30-16:20	Free time		
Friday, November 18th 2022	16:30-17:20	Free time		-
	08:30-09:20	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical
	09:30-10:20	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical
	10:30-11:20	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical
	11:30-12:20	Physiological Properties of Heart Muscle	Physiology	Thereotical

	12:30-13:20	Lunch Break		
	13:30-14:20	Heart Valves and Heart Sounds	Physiology	Theoretical
	14:30-15:20	Heart Cycle and Pumping Function of Heart (Pressure-Volume Alterations in Heart)	Physiology	Theoretical
	15:30-16:20	Pulmonary immune cells	Immunology	Theoretical
	16:30-17:20	Pulmonary immune cells	Immunology	Theoretical
Monday, November 21th, 2022	08:30-09:20	Free time		
	09:30-10:20	Free time		
	10:30-11:20	Adrenal Cortex Hormones	Medical Biochemistry	Theoretical
	11:30-12:20	Adrenal Cortex Hormones	Medical Biochemistry	Theoretical
	12:30-13:20	Adrenal Cortex Hormones	Medical Biochemistry	Theoretical
	13:30-14:20	Lunch Break		
	14:30-15:20	Turkish	Education and Humanities	Theoretical
	15:30-16:20	Turkish	Education and Humanities	Theoretical
	16:30-17:20	Turkish	Education and Humanities	Theoretical
Tuesday, November 22th, 2022	08:30-09:20	Conduction System of Heart and The Regulation Of Conduction	Physiology	Theoretical
	09:30-10:20	Blockage in Heart	Physiology	Theoretical
	10:30-11:20	Blockage in Heart	Physiology	Theoretical
	11:30-12:20	Lunch Break		
	12:30-13:20	The Thoracic Wall	Anatomy	Theoretical
	13:30-14:20	The Thoracic Wall	Anatomy	Theoretical
	14:30-15:20	Turkish	Education and Humanities	Theoretical
	15:30-16:20	Turkish	Education and Humanities	Theoretical
	16:30-17:20			
Wednesday, November 23th, 2022	08:30-09:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	GROUP I
	09:30-10:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	GROUP I
	10:30-11:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	GROUP II
	11:30-12:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	GROUP II
	12:30-13:20	Lunch Break		
	13:30-14:20	Adrenal Medulla Hormones	Medical Biochemistry	Theoretical
	14:30-15:20	Adrenal Medulla Hormones	Medical Biochemistry	Theoretical

	15:30-16:20 16:30-17:20	Adrenal Medulla Hormones Free time	Medical Biochemistry	Thereotical
Thursday, November 24th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Lab: The Heart and the Pericardium Lab: The Heart and the Pericardium Lab: The Heart and the Pericardium Lab: The Heart and the Pericardium Lunch Break Principles of ECG (derivation, recording method, vectorial analysis) Principles of ECG (derivation, recording method, vectorial analysis) Analysis of ECG (alterations in waves, arrythmia, blockage) Free time	Anatomy Anatomy Anatomy Anatomy  Physiology Physiology Physiology	GROUP I GROUP I GROUP II GROUP II  Thereotical Thereotical Thereotical
Friday, November 25nd, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Free time Circulation Dynamics Circulation Dynamics Circulation Dynamics Lunch Break Lab: The Thoracic Wall Lab: The Thoracic Wall Lab: The Thoracic Wall Lab: The Thoracic Wall	Biophysics Biophysics Biophysics  Anatomy Anatomy Anatomy Anatomy	Thereotical Thereotical Thereotical  GROUP I GROUP I GROUP II GROUP II
Monday, November 28th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	CASE STUDY: Cardiovascular System & Stroke CASE STUDY: Cardiovascular System & Stroke Study Module Study Module Study Module Lunch Break Turkish Turkish Turkish	CASE CASE SM SM  Education and Humanities Education and Humanities Education and Humanities	Thereotical Thereotical SM SM  Theoretical Theoretical Theoretical

<p>Tuesday November 29th, 2022</p>	<p>08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20</p>	<p>The Great Vessels and the Posterior Mediastinum The Great Vessels and the Posterior Mediastinum Fetal Circulation Anatomy of the Nose Anatomy of the Nose Lunch Break Turkish Turkish Free time</p>	<p>Anatomy Anatomy Anatomy Anatomy Anatomy  Education and Humanities Education and Humanities</p>	<p>Thereotical Thereotical Thereotical Thereotical Thereotical  Theoretical Theoretical</p>
<p>Wednesday, November 30th, 2022</p>	<p>08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20</p>	<p>Cardiovascular System Related Hormones Renal Hormones Respiratory mechanics and Ventilation Respiratory mechanics and Ventilation Lunch Break Study Module Study Module Alveolar-endothelial barrier Alveolar-endothelial barrier</p>	<p>Medical Biochemistry Medical Biochemistry Physiology Physiology  SM SM Immunology Immunology</p>	<p>Thereotical Thereotical Thereotical Thereotical  SM SM Theoretical Theoretical</p>
<p>Thursday, December 1st, 2022</p>	<p>08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20</p>	<p>Development of branchial apparatus, head and face Development of branchial apparatus, head and face Analysis of ECG (alterations in waves, arrythmia, blockage) Principles of Hemodynamics Lunch Break Principles of Hemodynamics Principles of Hemodynamics Development of the respiratory system Development of the respiratory system</p>	<p>Histology and Embryology Histology and Embryology Physiology Physiology  Physiology Physiology Histology and Embryology Histology and Embryology</p>	<p>Thereotical Thereotical Thereotical Thereotical  Thereotical Thereotical Thereotical Thereotical</p>
<p>Friday, December 2nd, 2022</p>	<p>08:30-09:20 09:30-10:20</p>	<p>Histology of the lungs Pulmonary Circulation and Pulmonary Edema</p>	<p>Histology and Embryology Physiology</p>	<p>Thereotical Thereotical</p>

	10:30-11:20	Principles of Gas Exchange Across Pulmonary Membrane (ACTIVE)	Physiology	Theoretical
	11:30-12:20	Transport of Gases Across Blood and Interstitial Fluid	Physiology	Theoretical
	12:30-13:20	Lunch Break		
	13:30-14:20	Diaphragm (ACTIVE)	Anatomy	Theoretical
	14:30-15:20	Larynx	Anatomy	Theoretical
	15:30-16:20	Larynx	Anatomy	Theoretical
	16:30-17:20	Free time		
Monday, December 5th, 2022	08:30-09:20	Regulation of Respiration	Physiology	Theoretical
	09:30-10:20	Regulation of Respiration	Physiology	Theoretical
	10:30-11:20	Inferior Temporal Fossa and Pterygopalatina Fossa	Anatomy	Theoretical
	11:30-12:20	Inferior Temporal Fossa and Pterygopalatina Fossa	Anatomy	Theoretical
	12:30-13:20	Lunch Break		
	13:30-14:20	Free time		
	14:30-15:20	Turkish	Education and Humanities	Theoretical
	15:30-16:20	Turkish	Education and Humanities	Theoretical
	16:30-17:20	Turkish	Education and Humanities	Theoretical
Tuesday, December 6th, 2022	08:30-09:20	Trachea and Lungs	Anatomy	Theoretical
	09:30-10:20	Trachea and Lungs	Anatomy	Theoretical
	10:30-11:20	Study Module	SM	SM
	11:30-12:20	Study Module	SM	SM
	12:30-13:20	Lab: Nose and Larynx	Anatomy	GROUP I
	13:30-14:20	Lab: Nose and Larynx	Anatomy	GROUP I
	14:30-15:20	Turkish	Education and Humanities	Theoretical
	15:30-16:20	Turkish	Education and Humanities	Theoretical
	16:30-17:20	FREE TIME		
Wednesday, December 7th, 2022	08:30-09:20	CARDIOVASCULAR SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC
	09:30-10:20	CARDIOVASCULAR SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC
	10:30-11:20	CARDIOVASCULAR SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC
	11:30-12:20	CARDIOVASCULAR SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC
	12:30-13:20	Lunch Time		

	13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20 17:30-18:20	Respiratory function tests Respiratory Insufficiency and Pathophysiology Pulmonary inflammation Pulmonary inflammation Pulmonary inflammation	Immunology Immunology Immunology	Thereotical Thereotical Thereotical
Thursday, December 8th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Lab: Nose and Larynx Lab: Nose and Larynx Coronary Circulation Coronary Circulation Lunch break The Regulation of Arterial Pressure The Regulation of Arterial Pressure Study Module Study Module	Anatomy Anatomy Physiology Physiology  Physiology Physiology	GROUP II GROUP II Thereotical Thereotical  Thereotical Thereotical
Friday, December 9th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Lab: Circulation Physiology (EC) Lab: Circulation Physiology (EC) Lab: Circulation Physiology (EC) Lab: Circulation Physiology (EC) Lunch Break Respiration Dynamics Respiration Dynamics Respiration Dynamics	Physiology Physiology Physiology Physiology  Biophysics Biophysics Biophysics	GROUP I GROUP I GROUP II GROUP II  Thereotical Thereotical Thereotical
Monday, December 12th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20	CASE STUDY: Arrhythmia & Neurology CASE STUDY: Arrhythmia & Neurology Lab: Inferior Temporal Fossa and Pterygopalatina Fossa Lab: Inferior Temporal Fossa and Pterygopalatina Fossa Lunch Break Neonatal Respiration and Circulation Turkish	CASE CASE Anatomy Anatomy   Education and Humanities	Thereotical Thereotical Practical Practical   Theoretical

	15:30-16:20 16:30-17:20	Turkish Turkish	Education and Humanities Education and Humanities	Theoretical Theoretical
Tuesday, December 13th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Cardiovascular Changes During Exercise Cardiac Output and Venous Return Respiratory Alterations in Exercise Lunch break The Root of the Neck The Root of the Neck Turkish Turkish Free time	Physiology Physiology Physiology  Anatomy Anatomy Education and Humanities Education and Humanities	Thereotical Thereotical Thereotical  Thereotical Thereotical Theoretical Theoretical
Wednesday, December 14th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING Lunch Break Pulmonary Circulation and Pulmonary Edema Free time Free time Free time	EOC EOC EOC EOC  Physiology	EOC EOC EOC EOC  Thereotical
Thursday, December 15th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Anterior and Lateral Regions of the Neck Anterior and Lateral Regions of the Neck Congestive Heart Failure Congestive Heart Failure Lunch Time Lab: Trachea, Lungs and Diaphragm Lab: Trachea, Lungs and Diaphragm Lab: Trachea, Lungs and Diaphragm Lab: Trachea, Lungs and Diaphragm	Anatomy Anatomy Physiology Physiology  Anatomy Anatomy Anatomy Anatomy	Thereotical Thereotical Thereotical Thereotical  GROUP I GROUP I GROUP II GROUP II



Friday, December 16th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	CASE STUDY CASE STUDY Histology of the respiratory system Histology of the respiratory system Lunch Break Respiratory Physiology in Different Atmospheric Pressures Respiratory Physiology in Different Atmospheric Pressures Study Module Study Module	CASE CASE Histology and Embryology Histology and Embryology  Physiology Physiology	Thereotical Thereotical Thereotical Thereotical  Thereotical Thereotical
Monday, December 19th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING Lunch Break Respiratory Physiology (Respiratory Function test) Turkish Turkish Turkish	EOC EOC EOC EOC  Physiology Education and Humanities Education and Humanities Education and Humanities	EOC EOC EOC EOC  Theoretical Theoretical Theoretical Theoretical
Tuesday, December 20th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	MEDICAL HUMANITIES MOVIE 1 MEDICAL HUMANITIES MOVIE 2 MEDICAL HUMANITIES MOVIE 3 MEDICAL HUMANITIES MOVIE 4 Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure) Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure) Turkish Turkish Free time	EOC EOC EOC EOC Physiology Physiology Education and Humanities Education and Humanities Education and Humanities	EOC EOC EOC EOC GROUP I GROUP I Theoretical Theoretical Theoretical
Wednesday, December 21th, 2022	08:30-09:20 09:30-10:20	Histology of the respiratory tract Histology of the respiratory tract	Histology and Embryology Histology and Embryology	GROUP I GROUP I

	10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Histology of the respiratory tract Histology of the respiratory tract Lunch Time Lab: Respiratory Physiology (Respiratory Function test) Lab: Respiratory Physiology (Respiratory Function test) Free time Free time	Histology and Embryology Histology and Embryology  Physiology Physiology	GROUP II GROUP II  GROUP I GROUP II
Thursday, December 22th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Lab: The Root of the Neck ,The Suboccipital Region and Deep Muscles of the Back Lab: The Root of the Neck ,The Suboccipital Region and Deep Muscles of the Back Shock Shock Lunch break Lab: The Root of the Neck, The Suboccipital Region and Deep Muscles of the Back Lab: The Root of the Neck, The Suboccipital Region and Deep Muscles of the Back Free time Free time	Anatomy  Anatomy Physiology Physiology  Anatomy  Anatomy	GROUP I  GROUP I Thereotical Thereotical  GROUP II  GROUP II
Friday, December 23th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure) Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure) Free time Free time Free time Free time Free time Free time	Physiology Physiology	GROUP II GROUP II
Monday, December 26th, 2022	08:30-09:20 09:30-10:20 10:30-11:20	Free time Free time Free time		

	11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Free time Free time Free time Free time Free time Free time		
Tuesday, December 27th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	Free time Free time Free time Free time Free time Free time Free time Free time Free time		
Wednesday, December 28th, 2022	08:30-09:20 09:30-10:20 10:30-11:20 11:30-12:20 12:30-13:20 13:30-14:20 14:30-15:20 15:30-16:20 16:30-17:20	<b>COMMITTEE EXAM PRACTICAL THEORETICAL</b>	Coordination Office Coordination Office Coordination Office	