

## Lectures outline for the cardiovascular system 2025

	Subject	No.	In-person lectures	No.	Asynchronous lectures
Week 1	Anatomy	1	- Blood supply of Thoracic wall and mediastinum	0	
	Physiology	2	-Introduction and Cardiac mm Function -Cardiac mm Function and Conduction system of the heart	1	-Conduction system of the heart
	Pharmacology	1	-Drugs for Hypertension -1	1	-Lipid lowering drugs
Week 2	Anatomy	2	- Superior mediastinum - Inferior mediastinum and pericardium	1	-External heart morphology
	Physiology	3	-Electrocardiography -Heart as a pump and cardiac cycle -Heart as a pump and cardiac cycle	2	-Electrocardiography -Electrocardiography and Arrhythmias
	Pharmacology	2	- Drugs for Hypertension -2 - Drugs for Hypertension -3	1	-Drugs for Heart Failure-1
	Pathology	2	- Thrombosis - Embolism and infarction	1	-Veins and lymphatics
Week 3	Anatomy	2	- Heart chambers - Heart valves and blood supply	1	-Histology of CVS
	Physiology	2+1	- Cardiac output and venous return - Cardiac output and venous return - Vascular hemodynamics 1	1	-Vascular hemodynamics 2
	Pharmacology	2	-Drugs for Heart Failure-2 - Ischemic Heart Disease -2	1	- Ischemic Heart Disease -1
	Pathology	2	- Arteriosclerosis - Aneurysms	1	-Hypertensive vascular disease
Week 4	Anatomy	1	Heart innervation and surface anatomy	0	
	Physiology	2	- Arterial system - Local control of vascular function	0	
	Microbiology	1	-Infective endocarditis	1	- Viral hemorrhagic fever
Mid					
Week 5	Anatomy	3	- Development of the heart 1 - Development of the heart 2 Development of veins and	1	-Development of the arteries

			Fetal circulation		
	Physiology	3	- Neural and hormonal regulation of vascular function - Special circulations - Integrated vascular hemodynamics	2	- Microcirculation - Venous system
	Pharmacology	1	Mechanism of Cardiac Arrhythmias	0	
	Pathology	2	- Ischemic heart disease - Valvular heart disease	1 +1	-Neoplasms of CVS -Practical Pathology
Week 6	Clinical		-Cardiology.	1	
			-Cardiovascular surgery.	1	
			-Pediatric cardiology.	1	
	Pharmacology	2	-Drugs used for cardiac arrhythmias 1 -Drugs used for cardiac arrhythmias 2	0	