

**Cardiovascular Physiology Lecture Schedule**  
**Thursdays 2:00 - 4:30 PM**

WEEK NO	QUIZ	LECTURES	READING from Klabunde, Cardiovascular Physiology Concepts	READING from Guyton, Textbook of Med. Physio., 10th Ed.
1		<a href="#">3. Overview of Cardiovascular System</a> <a href="#">4. Cardiac Anatomy</a> 5. TEE (Not hyperlinked --- go to TEE folder.)	Chapter 1 (Introduction to the Cardiovascular System)	Chapter 14 (Overview of the Circulation; Medical Physics of Pressure, Flow, and Resistance)
2	<b>QUIZ</b>	<a href="#">6. Resting Membrane Potential and Action Potentials</a> <a href="#">7. Electrical Activity of the Heart</a> <a href="#">8. Excitation-Contraction Coupling</a>	Chapter 2 (Electrical Activity of the Heart) Chapter 3 (Cellular Structure and Function)	Chapter 5 (Membrane Potentials and Action Potentials) Chapter 6 (Contraction of Skeletal Muscle) pages 72-78 Chapter 7 (Excitation of Skeletal Muscle: Neuromuscular Transmission and Excitation-Contraction Coupling) Chapter 9 (Heart Muscle; The Heart as a Pump and Function of the Heart Valves) Chapter 10 (Rhythmical Excitation of the Heart)
3	<b>QUIZ</b>	<a href="#">9. EKG</a>	Chapter 2 (Electrical Activity of the Heart)	Chapter 10 (Rhythmical Excitation of the Heart) Chapter 11 (The Normal Electrocardiogram) Chapter 12 (Electrocardiographic Interpretation of Cardiac Muscle and Coronary Blood Flow Abnormalities: Vectorial Analysis) Chapter 13 (Cardiac Arrhythmias and Their Electrocardiographic Interpretation)  <b>Dubin, Rapid Interpretation of EKG's, 6<sup>th</sup> Edition.</b> Free Download from Dr. Dubin's Website: <a href="http://www.themdsite.com/personal_reference.cfm">http://www.themdsite.com/personal_reference.cfm</a>
4	<b>QUIZ</b>	<a href="#">9. EKG</a>	Chapter 2 (Electrical Activity of the Heart)	
5	<b>QUIZ</b>	<a href="#">10. The Cardiac Cycle</a> <a href="#">11. Control of Cardiac Output</a>	Chapter 4 (Cardiac Function)	Chapter 9 (Heart Muscle; The Heart as a Pump and Function of the Heart Valves) pages 106-112
6	<b>QUIZ</b>	<a href="#">12. Cardiac Function Curves</a> <a href="#">13. Pressure-Volume Loops</a>	Chapter 5 (Vascular Function) pp. 110-115 Chapter 4 (Cardiac Function)	Chapter 9 (Heart Muscle; The Heart as a Pump and Function of the Heart Valves) Chapter 20 (Cardiac Output, Venous Return, and Their Regulation).
7	<b>QUIZ</b>	<a href="#">14. Hemodynamics</a> <a href="#">15. Hemodynamic Measurements</a>	Chapter 5 (Vascular Function) See CD-ROM (Klabunde)	Chapter 14 (Overview of the Circulation; Medical Physics of Pressure, Flow, and Resistance) Chapter 15 (Vascular Distensibility, and Functions of the Arterial and Venous Systems)

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				Chapter 20 (Cardiac Output, Venous Return, and their Regulation) Section on: Methods for Measuring Cardiac Output, pp. 243-5.
8	QUIZ	<a href="#">16. The Arterial and Venous Systems</a> <a href="#">17. Microcirculation and Lymphatics (Part 1)</a>	Chapter 5 (Vascular Function) Chapter 8 (Exchange Function of the Microcirculation)	Chapter 15 (Vascular Distensibility, and Functions of the Arterial and Venous Systems) Chapter 16 (The Microcirculation and the Lymphatic System: Capillary Fluid Exchange, Interstitial Fluid, and Lymph Flow). Chapter 25 (The Body Fluid Compartments: Extracellular and Intracellular Fluids; Interstitial Fluid and Edema).
9		<a href="#">17. Microcirculation and Lymphatics (Part 2)</a> <a href="#">18. Local Control of Blood Flow</a>	Chapter 8 (Exchange Function of the Microcirculation) Chapter 7 (Organ Blood Flow)	Chapter 16 (The Microcirculation and the Lymphatic System: Capillary Fluid Exchange, Interstitial Fluid, and Lymph Flow). Chapter 17 (Local and Humoral Control of Blood Flow by the Tissues). Chapter 25 (The Body Fluid Compartments: Extracellular and Intracellular Fluids; Interstitial Fluid and Edema).
10	QUIZ	<a href="#">19. Neurohumoral Control of the Heart and Circulation</a>	Chapter 6 (Neurohumoral Control of the Heart and Circulation)	Chapter 18 (Nervous Regulation of the Circulation, and Rapid Control of Arterial Pressure). Chapter 60 (The Autonomic Nervous System and the Adrenal Medulla)
11	QUIZ	<a href="#">20. Coronary Circulation and Coronary Artery Disease</a>	Chapter 7 (Organ Blood Flow) pp. 151-155	Chapter 21 (Muscle Blood Flow and Cardiac Output During Exercise; the Coronary Circulation and Ischemic Heart Disease----read pp. 249-256).
12	QUIZ	<a href="#">21. Valvular Heart Disease</a>	See CD-ROM (Klabunde)	Chapter 23 (Heart Valves and Heart Sounds; Dynamics of Valvular and Congenital Heart Defects).
13		<a href="#">22. Hemorrhage</a> <a href="#">23. Exercise</a>  REVIEW	Chapter 9 (Cardiovascular Integration and Adaptation)	Chapter 24 (Circulatory Shock and Physiology of its Treatment). Chapter 21 (Muscle Blood Flow and Cardiac Output During Exercise; Coronary Circulation in Ischemia----read pp. 246-249---section on Bloodflow in Skeletal Muscle and Blood Flow Regulation during Exercise).
14		FINAL EXAMINATION		