

TESTING POLICY:

1. Each student is expected to be present and on time for quizzes and examinations.
2. If for some extenuating reason or situation the student is unable to take the quiz or examination they must notify the instructor A.S.A.P. of the absence (contact the school office ext. 2938 or ext. 2080)
3. If applicable the quiz or examination must be made up and taken the day the student returns, at a time designated by the instructor.
4. If the quiz or exam is not made up within the allotted time, the student will receive a grade of "0" for that quiz or exam.
5. No one will be allowed to leave the quiz or exam once it has begun. The student may leave once their examination has been completed and turned in.

GRADING SYSTEM:

99 – 100	A+
90 – 98	A
88 – 89	B+
80 – 87	B
< 80	F

TOPICAL OUTLINE:

		<u>Instructor</u>
Session 1	Jan. 14 Review of anatomy of the respiratory system	Stevens
Session 2	Jan. 15 <u>Introduction</u> Overview of Cardiovascular System Cardiac Anatomy / Clinical Correlation (TEE)	Larson
Session 3	Jan. 21	Stevens
Session 4	Jan 22 <u>Basis of Electrical Activity of the Heart</u> (QUIZ) Resting Membrane Potential and Action Potentials Electrical activity of the Heart Excitation – Contraction Coupling	Larson
Session 5	Jan. 28 Lung volumes - definitions, spirometry; Significance of changes of various volumes	Stevens
Session 6	Jan. 29 (QUIZ) EKG	Larson
Session 7	Feb. 4 Ventilation - inspiration; Expiration; Distribution of ventilation Dead space; Hypo and hyperventilation	Stevens

Session 8	Feb. 5 (QUIZ) EKG	Larson
Session 9	Feb. 11 Proprioceptive receptors, respiratory muscles and reflexes; Innervation	Stevens
Session 10	Feb. 12 Quiz The Cardiac Cycle Control of Cardiac Output	Larson
Session 11	Feb. 18 CO ₂ and O ₂ response curves Pulmonary perfusion; Distribution of perfusion, zones, hypoxic pulmonary vasoconstriction	Stevens
Session 12	Feb. 19 Cardiac Pump (QUIZ) Cardiac Function Curves Pressure-Volume Loops	Larson
Session 13	Feb. 25 Measurement of V/Q ratio, implications of A-a DO ₂ , a-ADCO ₂ Shunting; Oxygenation during anesthesia	Stevens
Session 14	Feb. 26 (QUIZ) Hemodynamics Hemodynamic Measurements	Larson

March 4 & 5
NO CLASSES

Session 15	Mar. 11 Diffusion, definition, gas laws, pulmonary diffusion capacity, apneic oxygenation, diffusion hypoxia	Stevens
Session 16	Mar. 12 Vasculature (QUIZ) The Arterial and Venous Systems Microcirculation and Lymphatics (Part I)	Larson
Session 17	Mar. 18 Blood gas transport; Hb-O ₂ saturation curve 2-3 DPG, P50, CO ₂ disaturation curve	Stevens

March 19
NO CLASSES

Session 18	March 25 Lung mechanics - compliance, resistance	Stevens
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Session 19	Mar. 26 Microcirculation and Lymphatics (Part 2) Local Control of Blood Flow	Larson
Session 20	April 1 Respiratory	Stevens
Session 21	April 2 (QUIZ) Neurohumoral Control of the Heart and Circulation	Larson
Session 22	April 8 Respiratory	Stevens
April 9 No Gannon Classes (Easter Break)		
Session 23	April (QUIZ) Coronary Circulation and Coronary Artery Disease	Larson
Session 24	April 15 Respiratory	Stevens
Session 25	April 16 (QUIZ) Valvular Heart Disease	Larson
Session 24	April 2 Respiratory	Stevens
Session 26	April 23 Hemorrhage Exercise REVIEW	Larson
Session 27	April 29 Respiratory	Stevens
Session 28	April 30	Larson
Session 29	May 6 Respiratory Final	Stevens
Session 30	May 7 FINAL EXAMINATION	Larson