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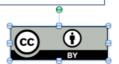
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General Cardiovascular/Respiratory Sequence Information Fall 2007

Objectives:

For each of the subtopics of the sequence a list of comprehensive behavioral goals and cognitive objectives will explicitly define what a student should know and be able to do by the end of the sequence. These objectives provide a focus for "active" studying. It is important to note that mastery of the "basic facts" concerning structure and function, as defined in these lists of cognitive objectives, is an essential, but only the first step, in life long learning. You must also be able to use these facts in a logical manner to solve problems. Physiologic and pathophysiologic problem solving is the basis of medical practice. Accordingly, examinations will attempt to test not only for mastery of the cognitive objectives but, to the extent we are able, to test for your ability to manipulate this material, i.e., for your ability to solve problems.

The core information necessary to master these objectives will be presented primarily in lecture. Sometimes the lecturer will indicate that specific outside readings are essential for mastery of an objective. Therefore, some material will either not be given at all in lecture or will not be adequately covered in the lecture. Regardless of the level of lecture coverage you are responsible for, and can be examined on, the material designated in the listed sequence objectives.

Small Group Discussions (Cardiovascular, November 8, 1:00 PM & Respiratory, November 27, 1:00 PM)

These sessions will provide you with an opportunity to discuss, analyze, and interpret signs and symptoms as they relate to the underlying physiological principles you have learned. The purpose of these sessions is not to teach you how to diagnosis specific diseases but to provide practice in applying physiological principles to interpreting various pathophysiological states. The problem to be discussed, and the questions you will be expected to consider during the discussion, will be provided prior to the discussion. Attendance at small group discussions is required and specific student room assignments are made by the Office of Medical Education. Failure to attend for any reason will require you to submit written answers to the small group discussion questions to the Sequence Coordinator within 72 hours of the small group session

Required Textbooks: CARDIOVASCULAR PHYSIOLOGY David E. Mohrman and Lois Jane Heller, McGraw-Hill, 6th Ed., 2006. ~\$35 There will be copies of this textbook are on reserve at Taubman Medical Library. Older editions are similar but some figure numbers and chapter content have changed.

<u>PULMONARY PHYSIOLOGY</u> Michael G. Levitzky, McGraw-Hill, 7h Ed., 2007 There will be copies of this textbook on reserve at Taubman Medical Library.

Supplementary Textbook: **RESPIRATORY PHYSIOLOGY: THE ESSENTIALS** John B. West, Williams and Wilkins, 7th Ed., 2004. There will be copies of this textbook on reserve at Taubman Medical Library.

Sequence Performance, Quiz, Exams and Sequence Grade:

Performance will be assessed by participation in the Small Group Exercises as well as by the quizzes and a comprehensive final exam. No "new" content from the Small Group Exercise will be added to the final. The final exam will include both written and practical components. The sequence content will be represented on the quiz and final approximately based on the time allocated in class. Questions on the quizzes, practical, and final all will be worth 1 point. In order to pass the course students must achieve a total score of at least 75% on these exercises and fulfill the responsibilities to the Small Group Exercise and Longitudinal Case.

Required Experiences: In the RARE circumstance where a student cannot attend, the student must contact their class counselor in advance (or as soon as possible in an emergency) to request a deferral. (Please do NOT contact sequence directors with requests for or explanations of deferrals.) Absences will be approved or denied by class counselors based on the same guidelines used for Quiz and Exam deferrals. Should you obtain a deferral from your class counselor, make up instructions for the required experiences (found below) should be followed.

Failure to attend either small group session for any reason will require you to submit written answers to the small group discussion questions to the Sequence Coordinator within 72 hours of the small group session

Remediation for missing the MDC will be to watch the video and write a 2 page essay detailing your reactions, including knowledge, insights, and inspirations gained from the presentation. This is due to the sequence coordinator withing 72 hours of the session.

Additional Books on Reserve at the Medical Library: General Introductory Text:

Vander, Sherman, and Luciano. <u>Human Physiology, The Mechanisms of Body Function</u>, McGraw-Hill Inc, (10th edition), 2005 There will be copies of this textbook are on reserve at Taubman Medical Library

Comprehensive medical physiology texts:

Berne and Levy. Physiology, Mosby Year Book, (5th ed.), 2005.

Guyton & Hall. Textbook of Medical Physiology, W. B. Saunders Company, (11th edition), 2006.

Ganong. Review of Medical Physiology, Lange, (22nd edition), 2005

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