LEcTURes
Schedule: Wed 2:00-4:30
Room: PLS 1115

PRoFESSoR IN CHARGE
I. Z. Ades, Department of Biology
Room 3107 Microbiol, izades@umd.edu
Office hours: By appointment

This is a seminar-style course focusing on pathological conditions associated with the cardiovascular and circulatory systems and on the rationales behind intervention methods used in the treatments of some of the disorders. The course encompasses lectures, clinical webcasts, and student presentations. The first four meetings will consist of introductory lectures to place the subject in context for the student-led presentations to follow.

Each student will be responsible for two Power Point (PP) presentations and is to submit along with the PP documents an abstract for each presentation, referenced legends for each figure, and where indicated questions (with answers) that could potentially be included on the final exam. As a mechanism to encourage critical analysis of peer presentations, students will provide written critiques of each colleague’s lecture - highlighting its strengths and suggesting points for improvement; the instructor will keep all such submissions confidential.

STUDENT PRESENTATIONS

Case Study: One lecture (approximately 20 min) would cover the background and findings outlined in one of the case studies from the attached list.

Submission (electronically to Ades and due within one week of the oral presentation):
Finalized PP document, summary abstract of about a page (single-spaced), and references.

Scholarly Review: A lecture (35-40 minutes) that would center on one of the topics of the scholarly articles listed on pp 5-6.

Submission (electronically to Ades and due within one week of the oral presentation):
Finalized PP document, one- to two-page summary abstract (single-spaced), descriptive figure legends embedded in the PP document, references for information included on each slide, and six questions with the answers (four multiple choice and two in essay formats) for potential inclusion in the course’s final exam.

ASSESSMENTS

The following weights will be given to the various activities:

Student Presentations: 200 points.
Case study: 50 points
Scholarly Review: 150 points
   Power Point lecture: 70 pts
   Summary abstract: 25 pts
   Six questions: 15 points
   Descriptive figure legends and references within the PP document: 40 pts

Determination of each grade will take into consideration factors such as delivery, apparent level of comfort with background material, clarities of the figures, scholarship of additional references used, contents of submitted texts, and the depth of coverage.

Written critiques of peer presentations and contributions to discussions: 100 points.¹

Final Exam – Monday, May 17 at 1:30: 100 points

GRADE ASSIGNMENTS
Final grade assignments will be based upon each student's performance using the following criteria:

- "A" for demonstrated excellent mastery of the subject or a score greater than 361 out of 400 points.
- "B" for very good mastery of the subject or a score between 320 and 360 out of 400 points.
- "C" for acceptable mastery of the subject or a score between 280 and 319 out of 400 points.
- "D" for borderline understanding of the subject or a score between 240 and 279 out of 400 points.
- "F" for unsatisfactory performance or a score less than 240 out of 400 points.

THE HONOR CODE
The University of Maryland at College Park has a nationally recognized Code of Academic Integrity administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards in this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit http://www.shc.umd.edu.

COURSE EVALUATIONS
The online course evaluation system should reopen in late April and be accessible at: https://www.courseevalum.umd.edu/. It is very important that we hear from you.

¹ Point assignments will be based on discussions and critiques submitted in class, thus sessions missed cannot be made up.
CASE STUDIES
emedicine Case Presentations (CME)

1- A 50-Year-Old Woman with an Incidental But Significant Skin Finding.

2- Jaundice and Fever Following a Trip Abroad.

3- A Forgotten Etiology of Refractory Congestive Heart Failure.

4- A 14-Year-Old Boy with Progressive Weakness and Dyspnea

5- Dyspnea with Intermittent Cyanosis in a Neonate.
Jaime Shalkow (2008)

6- An Unusual Presentation of Recurrent Iron-Deficiency Anemia.

7- A 20-Year-Old Soldier with a 3-Day History of a Dark, Burning Rash.

8- A 14-Year-Old Girl with a Systolic Murmur and Ventricular Extrasystole.

9- A 25-Year-Old Woman with Hypotension and a Rash.

10- A 36-Year-Old Man with Intractable Vomiting.
Craig A Goolsby (2009)

11- A Young Woman with Exercise-Induced Syncope.

12- An Unresponsive Man Found on the Street.

13- Tachycardia in a 61-Year-Old Woman.
Jeffrey Siegelman and Daniel M. Lindberg (2009)

14- A Young Athlete in Cardiac Arrest.
Jansen Tiongson and Lisa Chan (2008)

15- A 43-Year-Old Woman with Painful and Discolored Toes.
Colin C. Edgerton (2008)

16- An 8-Day-Old Boy with Tachypnea and Difficulty Feeding.
Craig A Goolsby and Erik D. Schraga (2008)

17- Palpitations in a 19-Year-Old Male with a Rash.
18 - Dyspnea Following Initial Scuba Diving Training.

Erik D. Schraga (2008)

20 - Heart Failure and Left Ventricular Thrombus in a Young Child.
Hematology


Stem cell transplantation

Cardio-


Vascular


Pharmacology


### Schedule of Presentations

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