

MEDICAL SCHOOL IMMUNOLOGY - 2012

COURSE DESCRIPTION

Course Director: Jeffrey K. Actor, Ph.D.

Office Hours: Fridays at 1:00-2:00p in MSB 2.214; or by appointment

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IMMUNOLOGY WEB PAGE: <http://www.uth.tmc.edu/pathology/medic/immunology/immuntbl.htm>

1) COURSE ORGANIZATION

The purpose of the Immunology course is to provide a basic knowledge of the immune response and its involvement in health and disease. All lectures will be presented in MSB 2.006. An effort has been made to increase clinical relevance and problem-solving skills through an essay assignment and faculty-presented clinical correlations, and a team based learning exercise.

Any questions on the lecture material should be addressed to Dr. Actor or directly to that lecturer. If you have general problems or comments regarding the course, your grades, or the faculty, please contact the course director. If the problem is not resolved, you should make an appointment to see Dr. Robert L. Hunter (Chairman of Pathology) at MSB 2.136 (500-5301) or, finally, Dr. Patricia Butler (Assoc. Dean for Educational Programs) or Dr. Margaret McNeese (Assoc. Dean for Student Affairs).

2) COURSE MATERIALS

- a) **Lectures.** The student is responsible for all material covered in lectures and faculty presented clinical correlations, as well as for any additional handouts or assignments (whether provided in this syllabus or at a later time). Immunology is a rapidly advancing area, so the lectures may contain new information not covered in the textbooks. Therefore you should make every effort to attend lecture and take complete and accurate notes. Tapes of the lectures are available from the Conference Operations Office (LRC) and can be used to verify your notes. Streaming video is available on-line through the UT Med School student web pages.

b) Reading. Two textbooks are required for the course. Chapter assignments will be posted, or listed directly in the syllabus chapter.

R. Coico and Sunshine, G. Immunology: A Short Course. (6th Ed) John Wiley & Sons, Inc., 2009.

R. S. Geha and Notarangelo, L. Case Studies in Immunology: A Clinical Companion. (6th Ed) Garland Publishing, New York, 2012.

The Coico et al. text was selected because it is well-organized, clearly and concisely written, and contains chapter summaries, study questions, and case studies. The lecture schedule has been loosely organized to match the Coico et al. book chapters. **Knowledge of the assigned reading is required, even if the material is not covered in the lectures**. Modifications of the study questions may be used in the exams. The Geha and Rosen text provides examples of the role of immunology in health and disease, and is used extensively in the Clinical Correlations and as ‘Clinical Vignettes’ in the lectures. **Cases from Geha and Notarangelo presented (in part or in full) during lecture are considered required reading**. Please see the list of associated cases for each lecture, located under “Clinical Correlation Required Readings”.

c) MEDIC IMMUNOLOGY Web Page. You are encouraged to make use of the MEDIC Immunology web site at: <http://www.uth.tmc.edu/pathology/medic/immunology/immuntbl.htm> . Materials are also on Blackboard. The website is actively updated during the course to include links for lecture materials and information that will assist in understanding of course materials.

Alternative recommended texts available in the bookstore:

- Parham, P. The Immune System. 3rd Edition. Garland Publishing, New York, 2009.
- A. K. Abbas and Lichtman, A. H. Basic Immunology – Functions and Disorders of the Immune System, 3rd Edition. Saunders-Elsevier. Philadelphia, PA. 2008.
- Kindt, TJ, Goldsby, RA, Osborne, BA. Kuby Immunology (6th Ed.), W.H. Freeman and Company, New York, 2007.
- Actor, J.K. Elsevier’s Integrated Immunology and Microbiology (2nd Ed.), Mosby/Elsevier, Philadelphia, 2012.

Each of these texts may be found at the LRC or the HAM Library.

d) Essay Assignment. Students must turn in one essay assignment worth 10 points. Students must attend one of the City-Wide Infectious Disease Rounds and provide a written review of one of the cases. The assignment and due date are described in detail elsewhere in the syllabus, as well as on Blackboard.

e) Team Based Learning. There will be one team based learning exercise as a portion of the course. The TBL is detailed later in the syllabus.

f) Clinical Scenarios. In addition to the regular lectures, we will have Clinical Scenario sessions during the semester. Past experience has shown that immunology (or any other medical topic) is easier to learn and remember if it is presented as clinical cases involving 'real' patients. In each clinical correlation, cases relevant to immunology will be discussed by faculty. The correlate scenarios are related to those presented in the Geha and Rosen text, but may vary to accommodate additional learning materials.

g) AIDS Education Project. Students who participate in the AIDS Education Project (i.e. undergo the training and participate according to guidelines) are eligible for two extra credit points. See your AIDS Education Project representative for details.

h) Study Questions. Additional study questions are provided at the end of some lecture outlines. The purpose of these questions is to test your knowledge and extend your learning beyond rote memorization

toward more 'cognitive' learning. The study questions will not be graded, but questions related to these assignments will appear in the examinations. Answers are posted on the Immunology web site.

i) Streaming video/Video tapes. Lectures will be made available for viewing via streaming video over the internet.

j) Office hours and other assistance. Students are encouraged to approach the lecturers if they need assistance in understanding the course material. Dr. Actor is also available at his office (MSB 2.214) Fridays 1-2pm, by individual appointment, or by phone or email.

3) GRADING

a) Examinations. There will be two major exams consisting of multiple choice, matching, and national board format questions. The midterm exam will contain 60 questions (worth 40% of your grade), the final exam will have 80 questions (worth 40% of your grade). Exam answers will be posted according to accepted policies of the university. Sessions may be scheduled for question review after each exam. To contest a question, a written and signed statement must be submitted by the posted date.

b) Essay Assignment. The essay assignment is required and will be worth a possible 10 points. Grading will be based on adherence to the format described in this syllabus, thoroughness, and application of your budding medical knowledge and logic; you are not expected to 'know it all' at this point. The due date is listed in the Essay instruction page in the syllabus, and posted on Blackboard. Essays may be turned in early, however, assignments turned in late will only receive a maximum of half credit (no exceptions).

c) Team Based Learning. Questions answered for the TBL session will be worth a total of 10 points.

d) Extra credit. One opportunity for extra credit is available, as listed below. The extra credit option is voluntary, and is not a course requirement.

Participation in AIDS Education Project	2 points
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e) Overall grade. The total possible points and grade assignments are given below. The total value of points for the course is 100 points, plus 2 points possible through completion of the extra credit option.

Midterm	40 points	(60 questions)
Final	40 points	(80 questions)
Essay Assignment	10 points	
Team Based Learning	10 points	
Extra Credit	2 possible additional points	

f) Final grade assignment. The final grade is based on percentage of points earned (max of 102 points) as related to total possible points (max of 100).

Honors	90-100 %
High pass	85.5-89.99 %
Pass	69.5-85.49 %
Marginal Performance	65.5-69.49 %
Fail	65.49 % or below