Syllabus BSCI348J Medical Microbiology

MEDICAL MICROBIOLOGY (BSCI 348J)
SUMMER 2015- UNIVERSITY OF MARYLAND, COLLEGE PARK

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COURSE DESCRIPTION

Introduction: This is a new class that I am offering for students interested in careers in the medical field or in going to graduate school with a focus on research on infectious diseases. In contrast to other classes such as , for example, BSCI424 I will teach about the major human pathogens more from the perspective of a medical professional. Consequently, this course is organized by anatomical sites and how different microbes cause pathologies at these sites. This course is NOT meant to be a comprehensive coverage of pathogens, instead I will chose the most important viral, bacterial, fungal and protozoal pathogens for each anatomical site in order to keep the workload reasonable. Nevertheless, the winter class is only 3 weeks long and hence it is a very condensed schedule and students will need to commit a lot of their time every day in order to be successful.

I hope that this class will provide an enriching complement to the material taught in BSCI 223, 283, 424, 417 and BSCI 437.

BSCI348J is taught as an asynchronous, online class (Canvas). Nevertheless, there will be firm deadlines by which to submit assignments (usually at the end of each week for the two modules covered). If work is submitted late, points may be subtracted if no valid excuse is provided (doctor’s note) and if more than 7 days have passed since the deadline the grade will be 0points. Due to the condensed schedule no extensions of deadlines will be granted.

Material: The course will have six modules (two for each week) that each contains 4 lectures, one work sheet, one assignment and one exam to be taken online.

Course content:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to important concepts/ Urogenital Tract Infections</td>
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<tr>
<td>2</td>
<td>Respiratory-/ Gastrointestinal Tract Infections</td>
</tr>
<tr>
<td>3</td>
<td>Central Nervous System- / Systemic Infections</td>
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Assignments (25% of final grade): This is most of the time a case study relevant to the material covered during the week. There will be three questions that need to be answered in complete sentences and if factual statements are made to support the argument a source needs to be cited to support the stated fact. That source can be the textbook, lecture slides and/or RELIABLE online sites. As a rule of thumb if it
is a " .org" site it has a better chance of being unbiased information. So, please be mindful about the quality of your source.

**Work Sheet (25% of final grade):** These are about 15 fill-in or true/false questions based upon lecture material and chapters in the textbook.

**Quiz/Exam (50% of final grade):** These are 30 multiple-choice questions. There is ONE attempt possible and the quiz is untimed! So, please block yourself a good amount of time for the quiz so that you can find the answers in your textbook and lecture slides without too much stress.

**Grades:**

- Work sheets 1-6 25% of final grade
- Assignments 1-6 25% of final grade
- Quiz/Exam 1-6 50% of final grade

A+  ≥97%
A  96.5-93.6%
A-  93.5-90.0%
B+  89.5-86.6%
B  86.5-83.6%
B-  83.5-80.0%
C+  79.5-76.6%
C  76.5-73.6%
C-  73.5-70.0%
D+  69.5-66.6%
D  66.5-63.6%
D-  63.5-60.0%
F  ≤59.5%

**Questions/Comments:** All questions/comments should be posted on the discussion board in Canvas so that everybody in class can participate and also benefit from my answers. Only personal matters should be addressed directly to me via email.

**ACADEMIC INTEGRITY**

All UMD students are held accountable to the Student Code of Academic Integrity, which outlines expectations pertaining to academic honesty (including cheating and plagiarism). The Code can be found in full at [http://www.president.umd.edu/policies/docs/III-100A.pdf](http://www.president.umd.edu/policies/docs/III-100A.pdf). At my discretion and based on the recommendation of the honor council, sanctions may range from a failing grade on the relevant assignment to dismissal from the class and a failing
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grade. The Student Academic Grievance process can be used if you feel you have been treated unfairly by this policy.

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