Microbiology for the Health Sciences 01:119:131 Spring 2017

Dr. Susan Skelly Office: Nelson Biology (Busch Campus) B-147

skelly@dls.rutgers.edu 848-445-2818

Office Hours: Tuesday 12:00 - 12:30pm, Friday 1:00-1:30pm (also by arrangement)

Course website: http://lifesci.dls.rutgers.edu/skelly/


Grades: The 4 exams each contribute 25% toward the final grade. The final grade is based on the following scale:

A = 90 – 100%  359 - 400
B+ = 86 – 89%  341 - 358
B = 80 – 85%  320 - 340
C+ = 76 – 79%  301 - 319
C = 70 – 75%  280 - 300
D = 60 – 69%  240 - 279
F = < 60% < 240

Any Pop Quiz given in lecture would be used as extra credit points. There are no make-up pop quizzes.

Cheating will not be tolerated. Students need to comply with the Rutgers Policy on academic integrity:

http://academicintegrity.rutgers.edu/academic-integrity-policy/

<table>
<thead>
<tr>
<th>Lecture Date</th>
<th>Topics</th>
<th>Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/18</td>
<td>Microbiology History, Chemistry, Taxonomy</td>
<td>1, 2* 9 p.242-249</td>
</tr>
<tr>
<td>1/23</td>
<td>Light Microscopy, Staining, Cell Characteristics</td>
<td>3*, 4</td>
</tr>
<tr>
<td>1/25</td>
<td>Cell Characteristics</td>
<td>4</td>
</tr>
<tr>
<td>1/30</td>
<td>Microbial Metabolism</td>
<td>5</td>
</tr>
<tr>
<td>2/1</td>
<td>Microbial Metabolism</td>
<td>5</td>
</tr>
<tr>
<td>2/6</td>
<td>Microbial Growth</td>
<td>6</td>
</tr>
<tr>
<td>2/8</td>
<td>Exam 1 (lectures 1/18 – 2/6)</td>
<td></td>
</tr>
</tbody>
</table>
2/13 Microbial Genetics 7
2/15 Microbial Genetics 7
2/20 Gene Transfer 8
2/22 Gene Transfer 8
2/27 Viruses 10
3/1 Viruses and Viral Diseases 10, 19-24*
3/6 Sterilization and Disinfection 12
3/8 Exam 2 (lectures 2/13 – 3/1)
3/20 Antimicrobial Therapy 13
3/22 Host Microbe Relationships 14
3/27 Medical Bacteriology 19 – 24*
3/29 Medical Bacteriology 19 – 24*
4/3 Medical Bacteriology 19 – 24*
4/5 Exam 3 (lectures 3/6 – 4/3)
4/10 Clinically Important Fungi, Protozoa 19 – 24*
4/12 Innate Host Defenses 16
4/17 Immunology 17
4/19 Immunology 17, 18
4/24 Immunology 18
4/26 Epidemiology and Nosocomial Infections 15
5/1 Review
5/5 Exam 4 (lectures 4/10 – 4/26) 4:00pm

* selected topics only