

## ACADEMIC SCHEDULE BIO 235 MICROBIOLOGY

**LECTURE: 11:00am – 12:25pm MONDAY & WEDNESDAY**

**LAB: 01:00pm – 04:00pm MONDAY**

**LAB: 01:00pm – 04:00pm & 5:00pm – 8:00pm WEDNESDAY**

**FALL 2012**

*James E. Copeland*

WEEK – DATE	*****LESSON(S)*****
1     08/27	The Scientific Method and Critical Thinking/Characteristic of Life/ Prokaryotic and Eukaryotic Cells - Required reading – Chapters 1, 3 & 4
1     08/29	The Morphology of Bacteria – Required reading – Chapter 3
2     09/03	Labor Day – No class
2     09/05	<u>Quiz 1</u> / The Anatomy of a Typical Bacteria Cell – Required reading – Chapter 3 Microbial Growth – Required reading – Chapters 6 & 7
3     09/10	Microbial Growth – Required reading – Chapters 6 & 7
3     09/12	<u>Quiz 2</u> Microbial Growth – Required reading – Chapters 6 & 7
4     09/17	Microbial Growth cont'd / Microbial Metabolism–Required reading–Chapters 9,10,11
4     09/19	Microbial Metabolism – Required reading – Chapters - 9, 10, 11
5     09/24	<u>Quiz 3</u> Microbial Metabolism cont'd / Microbial Genetics – Required reading Chapters 12,13,14,14,16
<i>09/26</i>	<i>Last Day to retake Pre-test (4pm – 5pm)</i>
5     09/26	Microbial Genetics – Required reading – Chapters 12, 13, 14, 15, 16
6     10/01	<b>***** UNIT TEST 1 *****</b>
6     10/03	Taxonomy and the taxonomy of bacteria – Required reading – Chapters 17,18,19,20,21,22,26,27,28,29,30,40,41,42 and handouts
7     10/08	Taxonomy of Bacteria – Required reading – Chapters 17,18,19,20,21,22,26,27,28,29, 30,40,41,42, Handouts / ( <u>Quiz 4</u> take home – Due 11am 10/12/2011)
7     10/10	Taxonomy of Bacteria – Required reading – Chapters 17,18,19,20,21,22,26, 27,28,29,30,40,41,42 and Handouts
8     10/15	<u>Quiz 5</u> Taxonomy of Bacteria – Required reading – Chapters 17,18,19,20,21,22, 26,27,28,29,30,40,41,42 & Handouts
8     10/17	The Characteristic and Taxonomy of Fungi – Required reading – Chapter 24

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9	10/22	<u>Quiz 6</u> / The Characteristics and Taxonomy of Algae and Protozoans – Required reading Chapters 23
9	10/24	The Characteristic and Classification of Viruses – Required reading – Chapters 5 & 25
10	10/29	<b>*****UNIT TEST 2*****</b>
10	10/31	Control of Microbial Growth – Required reading – Chapter 8
11	11/05	Control of Microbial Growth – Required reading – Chapters 7 & 34
11	11/07	<u>Quiz 7</u> / Control of Microbial Growth cont'd / Nosocomial infections Required reading - Pgs. 884-886 Chapter 36 & Handouts
12	11/12	<b>Nosocomial infections cont'd / Host-Microbe Interactions – Required reading – Chapters 31, 36 and Handouts</b>
12	11/14	Host-Microbe Interactions – Required reading – Chapters 31, 36 and Handouts
13	11/19	<u>Quiz 8</u> /Defense against Disease – Required reading – Chapters 32, 33, 35 & Handouts
13	11/21	Defense against Diseases–Required reading – Chapters 32, 33, 35 & Handouts
14	11/26	Defense against Diseases cont'd/ Air-Borne Diseases – Required reading – Chapters 37, 38, 39 and Handouts
14	12/28	Air-Borne Diseases – Required reading – Chapters 37, 38, 39, and Handouts
15	12/03	Air-Borne Diseases cont'd/ Food and Water-Borne Diseases – Required reading – Chapters 37, 38, 39 and Handouts
15	12/05	<u>Quiz 9</u> Food & Water-Borne Diseases cont'd
16	12/10	Diseases from Wounds and Abrasions/ Skin Disorders/Vector Diseases Required reading - Chapters 37, 38, 39, and Handouts
16	12/12	<b>*****UNIT TEST 3*****</b>
17	12/17	Review Unit Test 3 – Review prep for final exam
17	12/19	<b><u>FINAL EXAM 11:00AM – 1:00PM</u></b>

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**BIO 235 MICROBIOLOGY LAB SCHEDULE – ROOM A211**

<b>WEEK – DATE</b>	<b>***** LESSON(S) *****</b>
1      08/27 - 29	<b>Lecture: 1pm – 2:00pm M/W &amp; 5pm – 6:00pm W 2:10pm M/W &amp; 6:10pm W - LAB: - Laboratory Safety &amp; Procedures Microscopes and Microscopy – Required reading – Chapter 2 in your text book</b>
1      *08/31	*Care and Use of the Microscope for Students in Monday’s Lab from 10am – 1pm Because of the holiday on 9/3/2012
2      09/05 - 07*	Care and Use of the Microscope <b>* Students in Monday’s lab (Friday 9/07/12 - 11:30am – 2:30pm) &amp; (Monday 9/10/2012 – 8:00am – 11:00am)</b>
3      09/10/12	Morphological Identification & Classification of Various Microbial Groups
4      09/17/19	Microscopic Observation and Identification of Microbes Cont’d.
5      09/24/26	<b>LAB: Isolation Techniques #</b>
6      10/01/03	Experiment in Bacterial Transformation # / Living Microbes
7      10/08/10	**** <b>LAB PRACTICAL 1</b> / Video DNA Analysis / Practice Techniques
8      10/15/17	Experiment in DNA Analysis / <b>LECTURE: Taxonomy</b>
9      10/22/24	Cultural Characteristics / Simple and Gram Staining Techniques
10     10/29/31	Gram Staining Technique
11     11/05/07	Gram Staining Technique
12     11/12/14	<b>LAB: Microbial Metabolic Test# – Lecture - Control of Nosocomial infections</b>
13     11/19/21	Acid-fast, Capsule and Endospore Staining Techniques
14     11/26/28	<b>LAB: Microbial Sensitivity Test @ (1:00pm – 2:35pm) (5:00pm – 6:35pm) LECTURE: STD’s (2:45pm-4:00pm) (6:45pm – 8:00pm)</b>
15     12/03/05	***** <b>LAB PRACTICAL 2</b> ***** Written and Unknowns

\* Because of the Labor Day – holiday – Scheduled days and time for the Microscopy lab.

# Requires students to return to lab in 24 hours to observe the results of the experiment.

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