

BIMM 120: BACTERIOLOGY – FALL 2012**DR. RACHELLE TRIAL**

2001 Warren Lecture Hall

Tu, Th 12:30-1:50 PM

DATE	LECTURE NUMBER & TOPIC	READINGS & HOMEWORK
Th Sept 27	1. Overview of microorganisms	Chapter 1 (12-13, 16-17, 26-31)
T Oct 2	2. Outside Structures: cell wall	Chapter 2 (52-54 & 58-60) Chapter 3 (82-95) Chapter 19 (717-718)
Th Oct 4	3. Outside Structures: cell wall & membranes	Chapter 2 (52-54 & 58-60) Chapter 3 (82-95) Chapter 19 (717-718)
T Oct 9	4. Outside Structures: pili, flagella, etc	Chapter 3: 106-110
Th Oct 11	5. Inside the cell: bacterial cytoskeleton and DNA segregation (Joe Pogliano)	Chapter 3 (101-105) Chapter 7 (243-244)
T Oct 16	6. Inside the cell: Specialized Structures & DNA	Chapter 3 (106-110) Chapter 7 (221-232)
Th Oct 18	7. DNA replication	Chapter 7 (232-242)
T Oct 23	8. Transcription & Translation	Chapter 8 (257-284)
Th Oct 25	MIDTERM #1	
T Oct 30	9. Transcription & Translation	Chapter 8 (257-284)
Th Nov 1	10. Metabolism: Respiration Lithotrophy & Syntrophy	Chapter 13 & 15 Homework 1 due
T Nov 6	11. Metabolism: Biosynthesis & Biofuels	Chapters 15
Th Nov 8	12. DNA repair and Molecular Regulation	Chapter 9 & 10
T Nov 13	13. Genetics 1: Mobile Genetic Elements	Chapter 9
Th Nov 15	14. Genetics 2: Gene Transfer Mechanisms	Chapter 9
T Nov 20	MIDTERM #2	
Th Nov 22	Holiday- No class	
T Nov 27	15. Microbial Differentiation: antibiotic production	Chapter 27
Th Nov 29	16. Bacterial Behavior and Communication	Chapter 4, & 10
T Dec 4	17. Bacterial Behavior and Communication	Chapter 4, & 10
Th Dec 6	18. Microbial Differentiation: <i>Caulobacter</i> & <i>Bacillus</i>	Chapter 4 & assigned readings
F Dec 14	FINAL EXAM 11:30 AM- 2:29 PM (RM TBA)	

This syllabus is subject to change!

Textbook: *Microbiology: An Evolving Science* (2nd Edition) by Slonczewski, and Foster.

Dr. Rachelle Trial (last name is pronounced TREE-ALL)

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Office hours: Tuesdays 10:00-11:00 AM & Wednesdays 11:00AM - noon & by appointment

Office: NSB 4121

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TA	Email	Office Hours	Location
Spencer Diamond	sdiamond@ucsd.edu	Tue 2-3PM	AP&M Annex 4840
Semi Han	seh002@ucsd.edu	Thu 2-3PM	Café Roma
Cindy Hon	tthon@ucsd.edu	Wed 2-3PM	Muir 2165
Ricardo Lozano	rilozano@ucsd.edu	Thu 5-6PM	Café Roma
Ranmali Perera	vperera@ucsd.edu	Fri 8-9AM	NSB 4 th Floor lunch room
Caroline Sheng	casheng@ucsd.edu	Fri 11-12	Biomed Library
Jenny Tu	jetu@ucsd.edu	Tue 11AM-noon	Café Roma

Section Times & Locations

#	Time	Location	TA
A01	M 12:00- 12:50 PM	WLH 2007	Spencer Diamond
A02	M 1:00 -1:50 PM	WLH 2207	Cindy Hon
A03	M 2:00-2:50 PM	WLH 2207	Cindy Hon
A04	M 3:00-3:50 PM	WLH 2207	Ricardo Lozano
A05	M 4:00-4:50 PM	WLH 2207	Ricardo Lozano
A06	Tu 6:00-6:50 PM	SOLIS 111	Semi Han
A07	Tu 7:00-7:50 PM	SOLIS 111	Semi Han
A08	W 12:00-12:50 PM	WLH 2113	Caroline Sheng
A09	W 1:00-1:50 PM	WLH 2113	Caroline Sheng
A10	W 3:00-3:50 PM	YORK 4080A	Ranmali Perera
A11	W 4:00-4:50 PM	YORK 4080A	Ranmali Perera
A12	F 9:00-9:50 AM	WLH 2207	Jenny Tu
A13	F 10:00-10:50 AM	WLH 2207	Jenny Tu

You are not required to attend section, but will probably find doing so helpful, as the TA's will review class material, and discuss/answer questions about the homeworks.

Sections will begin the second week of class.

Useful websites:

ASM, American Society for Microbiology: <http://www.asm.org/>

PubMed: <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?tool=cdl&holding=ucsdlib>

Small Things Considered: <http://schaechter.asmblog.org/schaechter/>

Microbe wiki: <http://microbewiki.kenyon.edu>

Exams and Final grade:

There will be two midterms (100 points each), one final exam (200 points), and two homework assignments (50 points each). The Final exam will be cumulative. Final grades will be based on the highest midterm score, the homework assignments, and the final exam score (your lowest midterm score will be dropped and your highest midterm score will be doubled). There will be no makeup midterms. Each exam will consist of multiple-choice questions, and will include questions taken directly from the textbook, assigned readings, and lecture.

The following deadlines apply for submitting a re-grade and will be strictly observed:
Midterm #1, **Tuesday Nov 6**; Midterm #2, **Tuesday Dec 4**

Exam Inquiries:

During the exam: If you think that a question is written ambiguously or feel that more than one answer is correct, ask a TA for clarification. We will try to identify most ambiguities this way, so the grading key can be modified before the exams are graded.

After the exam: Prepare a written explanation, with documentation if possible (i.e.: references to text), and deliver the query to Dr. Trial via email. Just one written inquiry, and no verbal inquiries, will be considered for each exam, from each student.

To prepare for the exams:

1. Attend lectures! Many questions will come directly from the lectures.
2. Read the related material in the text. These readings will reinforce the lectures and provide additional information that you may find useful.
3. Attend section regularly, as you will be able to ask questions about the lectures.
4. Bring a #2 pencil to class! We will provide the forms.
5. Do not cheat! Disciplinary steps will be taken when cheating is discovered. These steps may include failing the exam and being reported to the appropriate authorities.

A MESSAGE FROM OUR FRIENDS AT THE UCSD ACADEMIC INTEGRITY OFFICE:

Statement of Academic Integrity:

Students are expected to do their own work, as outlined in the UCSD Policy on Academic Integrity published in the UCSD General Catalog. Academic misconduct will not be tolerated, and any student who engages in suspicious conduct will be confronted and subjected to the disciplinary process. Cheaters will receive a failing grade on the exam, and/or in the course. They may also be suspended from UCSD.

Academic misconduct includes but is not limited to:

1. Cheating, such as using "crib notes" or copying answers from another student during the exam.
2. Plagiarism, such as using the writings or ideas of another person, either in whole or in part, without proper attribution to the author of the source.
3. Collusion, such as engaging in unauthorized collaboration on exams, completing for another student any part or the whole of an exam, or procuring, providing or accepting materials that contain questions or answers to an exam or assignment to be given at a subsequent time.

