

Spring 2008 MMBB 154 Introductory Microbiology

Professor: Dr. Bohach
Life Sciences Building room 148
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Office Hours: Tuesdays and Thursdays 3:15-4:15pm or by appointment

Required Text: Alcamo's Fundamentals of Microbiology
by Pommerville; 8th edition

MMBB 154 is an introduction to the fundamental principles of microbial systems and to the information generated in microbiology that has enriched all segments of biology. The course has a public health/infectious disease emphasis; however, the many dimensions of the microbial world will be discussed and will include sub-cellular organization and functions, basic information about life cycles, cell division, and genetics. The activities of microorganisms in disease, global elemental cycles, sewage disposal, industrial processes and food and dairy product manufacturing will be introduced. In addition, contemporary topics in microbiology will be covered.

Plan Your Schedule to take 4 Exams and one extra credit Quiz:

Blackboard: Login to at <https://www.blackboard.uidaho.edu> between Jan 14 and 21
You will have 10 minutes to answer 5 questions from Chapter 1. Earn 10 extra points!

Exam 1 Available 48 hrs	1 PM Monday 2/4	through	1 PM Wednesday 2/6
Exam 2 Available 48 hrs	1 PM Wednesday 2/27	through	1 PM Friday 3/1
Exam 3 Available 48 hrs	1 PM Wednesday 4/2	through	1 PM Friday 4/4
Exam 4 Available 48 hrs	1 PM Wednesday 4/23	through	1 PM Friday 4/25

Exam questions are randomized from a large pool of questions, so no two exams are identical. Exams will cover material in the assigned text reading and material presented in the lectures. Exams will be multiple choice or similar objective-type questions.

Your course grade will be calculated from the sum of 4 exams using the following scale:

A – 90-100%	360 to 400 total points
B – 80-89%	320 to 359 total points
C – 70-79%	280 to 319 total points
D – 60-69%	240 to 279 total points
F -- below 60%	≤239 total points

Academic Dishonesty.

Acts of cheating or plagiarism in MMBB 154 can result in an automatic 0 for that exam. A zero on any one exam or assignment can result in an automatic F as a final grade in the course. Please be aware that all parties involved in the act of cheating or plagiarism will be penalized. Cheating refers to the acquisition of answers to test questions in a dishonest fashion. Plagiarism is defined as 1) the use of another student's writing as your own and/or 2) the use of writing from published sources without citation. Plagiarism includes copying or paraphrasing another's writing with slight changes of wording.

Refer to the Student Code of Conduct of the Faculty Staff Handbook.

Tentative Schedule

DATE	READING	TOPIC
1/10	Chapter 1	Introduction to course
1/15	Chapter 1	The History of Microbiology
1/17	Chapter 3	General Properties of Microorganisms
1/22	Chapter 4	Prokaryotic Structure
1/24	Chapter 5 and 6	Prokaryotic Growth/Nutrition/ Metabolism
1/29	Chapter 7	Prokaryotic Genetics
1/31	Chapter 8	Gene transfer, Genetic Engineering and Genomics Mendelian principles of genetics
2/5	Free day for Exam 1	
2/7	Chapter 9	Airborne Bacterial Disease
2/12	Chapter 9	Airborne Bacterial Disease
2/14	Chapter 10	Foodborne and waterborne Bacterial Disease
2/19	Chapter 10	Foodborne and Waterborne Bacterial Disease
2/21	Chapter 11	Soil- and Arthropodborne Bacterial Disease
2/26	Chapter 12	Sexually transmitted and Contact Bacterial Disease
2/28	Free day for Exam 2	
3/4	Chapter 13	The Viruses and virus-like Agents
3/6	Chapter 14	Viral Infections of the Respiratory Tract and Skin
3/10 - 3/14	SPRING RECESS	
3/18	Chapter 14	Viral Infections of the Respiratory Tract and Skin
3/20	Chapter 15	Viral Infections of the Blood, G.I. and Nervous systems
3/25	Chapter 15	Viral Infections of the Blood, G.I. and Nervous systems
3/27	Chapter 16	The Fungi
4/1	Chapter 17	The Protozoa
4/3	Free day for Exam 3	
4/8	Chapter 23	Physical and Chemical Control of Microorganisms
4/10	Chapter 24	Antimicrobial Drugs
4/15	Chapter 25	Microbiology of Food
4/17	Chapter 26	Environmental Microbiology
4/22	Chapter 27	Industrial Microbiology and Biotechnology
4/24	Free day for exam 4	
4/29	Dead week	final grade available
5/1	Dead Week	final grade available
5/6-8		Can discuss final grade