

GENERAL MICROBIOLOGY (BIOL 3300) SYLLABUS

Fall Semester 2017

Prerequisites: One semester of General Biology (BIOL 1610) with a grade of C- or better; and two semesters of General Chemistry (must have completed CHEM 1120 or 1220).

Instructor: Dr. John Stark

Email: john.stark@usu.edu; phone: 797-3518

Office: VSB 331; Office hours: M 11:40-12:30, Th 12:00-1:00, or by appt.

Text: Brock Biology of Microorganisms 14th or 15th Ed., by Madigan et al., plus MasteringMicrobiology (online at www.masteringmicrobiology.com; Course ID = BIOL3300STARK2017)

For lab: Benson's Microbiological Applications (Selected material, 13th or 14th Ed.), by Brown

Date	Topic	Readings in Text (15 th Ed)
Aug. 28	Overview/History	pp. 18-24
30	History	
Sep. 4	<i>Holiday (Labor Day)</i>	
6	Microbial cell structure	pp. 35-47, 75-77
11	" " "	pp. 48-56
13	" " "	pp. 56-64
18	" " "	pp. 184-186
20	Microbial metabolism	pp. 77-85
25	" "	pp. 85-87
27	" "	pp. 88-94, 94-95
Oct. 2	MIDTERM EXAM I	
4	Microbial metabolism (cont.)	pp. 410-411
9	Metabolism & gene regulation	pp. 173-177
11	" " "	pp. 179-181,
16	Microbial growth	pp. 137-143,
18	" "	pp. 148-152, 583-598
23	" "	pp. 152-163, 164-170
25	" "	pp. 217-219, 852-858, 860-862
30	MIDTERM EXAM II	
Nov. 1	Viruses	pp. 223-234
6	"	pp. 234-236,
8	"	pp. 236-238
13	"	pp. 912-916
15	Bacterial genetics	pp. 313-324, 325-328
20	MIDTERM EXAM III	
22	<i>Holiday (Thanksgiving)</i>	
27 Mon	<i>No Class</i>	
29 Wed	Microbial ecology	pp. 651-659
Dec. 1 Fri	" "	pp. 667-670
4	" "	pp. 696-705
6	Epidemiology & Medical Micro	pp. 866-877, Skim Chapt. 30, 31 & 32

Final Examination is Friday, December 15 at 9:30 - 11:20 a.m. in VSB 130

Grading Policy

Lecture (2/3 of grade):

Mid-term exam I	20%
Mid-term exam II	20%
Mid-term exam III	20%
Mastering Microbiology	16%
Final exam (comprehensive)	<u>24%</u>
	100%

Lab (1/3 of grade):

Technique, preparation, & cleanup	5%
Lab reports & questions	20%
Mid-term exam I	25%
Mid-term exam II	25%
Final exam (comprehensive)	<u>25%</u>
	100%

Grading will be no stricter than:

A	> 92%
A-	90-92
B+	88-90
B	82-88
B-	80-82
C+	78-80
C	72-78
C-	70-72
D+	68-70
D	60-68
F	< 60%

Policy on make-up exams:

If you notify me at least one week prior to the scheduled exam date and arrange to take the exam before the scheduled date, there is no penalty.

If you miss an exam but contact me within 24 hours of the exam, you will be allowed to take a make-up exam during the following week; however, unless you have a note from a doctor, there will be a 15% penalty.

If you miss an exam and fail to contact me within 24 hours of the exam, your exam score will be zero. No exceptions.

Department of Biology telephone: (435) 797-2485

University Add/Drop policy: The last day to add this class is Sept 18.

Drop schedule:	up to Sept 18:	no record of drop
	Sept 19 – Oct 3:	“W” on transcript
	after Oct 30:	no drops allowed

Registration Fee: As part of your registration for this class you are required to pay a lab fee. Because of reduced funding from the Utah state legislature, lab fees have become necessary to maintain a high quality learning experience and to ensure that you are exposed to state-of-the-art microbiological techniques. This fee is used exclusively to pay for lab expenses for this course.

Accommodation for Students with Disabilities: Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444 voice, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.