

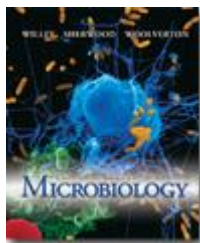
Instructors: Dr. Gary Schultz and Dr. Wendy Trzyna
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Classroom: S 376

Time: MWF 9:00 - 9:50 AM

Office Hours: MW 1:30 – 4:00 PM



Required Text: Microbiology, 7th ed.; Prescott, Harley & Klein; McGraw Hill, 2008

Course Description: Principles of Microbiology - Basic microbiological techniques, fundamental principles of microbial action, physiological processes, immunology, serology, disease process. (3 credit hours; PR: BSC 121 with grade of C or better or equivalent)

Course Objectives:

Upon completion of this course students should be able to:

- Describe the various groups of microorganisms and their basic characteristics.
- Describe the metabolic processes and nutritional needs of microorganisms.
- Understand the diversity of microorganisms.
- Compare and contrast molecular and cellular features of different members of the microbial world.
- Understand the non-specific and specific mechanisms of host defenses against microorganisms and the epidemiology of disease.
- Understand the diverse roles and impact of microorganisms on other living things.

IMPORTANT POLICIES

Grading and Course Requirements:

Letter Grades will be assigned based on what percent of the total points are earned.

A = 90% or more of the total points; **B** = 80 – 89.9% of the total points; **C** = 70 – 79.9% of the total points; **D** = 60 – 69.9% of the total points; **F** = 59.9% or less of the total points

Points are earned as follows:

400 pts – Exams 1 – 4 plus final. Each worth 100 pts*

~50 pts – Occasional, short, in-class activities and other short assignments.

~450 pts total

* **Four exams plus the (comprehensive) final. Only four will count. Any of the five may be dropped.**

Note that Exam 4 will be given on the last day of class. The Optional Comprehensive Exam will be given on the Final Exam Date.

Attendance. Attendance at all scheduled lectures and exams is expected. Lectures are only given once. If you miss class, please obtain notes/information from a classmate. Daily attendance records will be kept.

Excessive absences may adversely affect your grade as missed in-class assignments

cannot be made up. If you must miss an exam for any reason, it is your responsibility to contact the instructor prior to the exam period. Note that **all Makeup Exams** will be scheduled during the week of Dec. 2. It is your responsibility to notify the instructor that you have to take a make-up exam. Make-up exams may be given in essay or short-answer format. Written excuses for legitimate absences must be obtained.

Powerpoint Notes. Outlines may be made available (by E-mail or on WebCT) for printing. These outlines are provided by the instructor as a courtesy to the students. The instructor reserves the right to change, delete, update or otherwise modify these files at any time. There is no guarantee that outlines will be posted prior to lecture. These outlines are not intended to substitute for taking your own notes in class. They are not guaranteed to be comprehensive. There may be information given during lectures that is not in the PowerPoints. These outlines are not a substitute for regular class attendance. Generally, students who rely solely on the PowerPoint notes do not do as well on the tests as students who take their own notes or use a combination of their own notes and the posted PowerPoints.

Policy for Students with Disabilities - Marshall University is committed to equal opportunity in education for all students, including those with physical, learning, and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disabled Student Services (DSS) in Prichard Hall 117, phone 304 696-2271 to provide documentation of their disability. Following this, the DSS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, please visit <http://www.marshall.edu/disabled> or contact Disabled Student Services Office at Prichard Hall 11, phone 304-696-2271.

Policy on Academic Dishonesty - Any student suspected of cheating will be dropped from the course immediately. Please refer to the University policy at the following link: <http://www.marshall.edu/academic-affairs/Academic%20Dishonesty%20Policy.pdf>. Appeals can be filed through the BSC Chairperson's office.

Responsibility. This is a core course in the Biology curriculum. It is time to start critically examining the information that you encounter, and incorporating it into the context of your knowledge base. It requires effort on your part. More importantly, it requires that you take full responsibility for your learning experience. The amount that you get out of this course will depend upon the amount of work you are willing to put into it.

Dropping the Course - I hope every student who enrolls in BSC 302 will complete the course. However, I know that may not always be the case. So, be aware that October 30 is the last day to drop a full-semester course. *Make sure you know your standing in the class at that point so that you can make an informed decision.*

Conduct in class: Please behave respectfully during class. Behaviors such as excessive chatting with other students, note passing, texting, websurfing, etc., are disruptive to the instructor and to other students. Students habitually engaged in these activities may be asked to leave the class that day. If you do bring a laptop to class, please limit yourself to class-related activities. It is not acceptable to surf the web, check e-mail, etc. during classtime. (If you would rather be on the web or checking your e-mail, please leave the classroom to do so). Please turn off (silence) your cell phones, pagers, etc. No electronic devices will be needed, and none will be permitted, during exams. The use or access of an electronic device during an exam will be considered evidence of academic dishonesty.

Office Hours - Feel free to drop by at any time during posted office hours, however people who call ahead for an appointment will be given priority. **An appointment is required outside of posted office hours.**

Class Schedule - The following is an estimated class schedule, specific lecture topics covered may vary. A lot of chapters are listed. It is not our intention, however, to cover every chapter in its entirety. It is recommended that students read all chapters listed below, and lectures will highlight specific sections of each chapter. You will be tested in detail on material covered in lecture and more generally on the other sections of chapters listed.

The best strategy is to read the chapters, attend lectures and take notes.

MTG #	DAY	DATE	TOPIC
1	8/24/09	M	Syllabus/Introduction
2	8/26/09	W	Chapter 1
3	8/28/09	F	Chapter 2
4	8/31/09	M	Chapter 3
5	9/2/09	W	Chapter 3
6	9/4/09	F	Chapter 5
	9/7/09	M	Labor Day
7	9/9/09	W	Chapter 6
8	9/11/09	F	Chapter 6
9	9/14/09	M	Chapter 7
10	9/16/09	W	Exam 1
11	9/18/09	F	Chapter 8
12	9/21/09	M	Chapter 8
13	9/23/09	W	Chapter 9
14	9/25/09	F	Chapter 9
15	9/28/09	M	Chapter 19
16	9/30/09	W	Chapter 19
17	10/2/09	F	Chapter 20
18	10/5/09	M	Chapter 21
19	10/7/09	W	Chapter 22
20	10/9/09	F	Chapters 23 and 24
21	10/12/09	M	Exam 2
22	10/14/09	W	Chapters 13
23	10/16/09	F	Chapters 13
24	10/19/09	M	Chapters 16 – 18
25	10/21/09	W	Chapters 16 – 18
26	10/23/09	F	Chapters 31 – 32
27	10/26/09	M	Chapters 31 – 32
28	10/28/09	W	Chapters 31 – 32
29	10/30/09	F	Chapters 31 – 32 (Last Day to Drop a Full Semester Course)
30	11/2/09	M	Chapters 31 – 32
31	11/4/09	W	EXAM 3
32	11/6/09	F	Chapter 33 Pathogenicity of microbes
33	11/9/09	M	Chapter 33 Pathogenicity of microbes
34	11/11/09	W	Chapter 33
35	11/13/09	F	Chapter 34 Antibiotics
36	11/16/09	M	Chapter 34
37	11/18/09	W	Chapter 36 Epidemiology
38	11/20/09	F	Chapter 36
	11/23/09	M	Thanksgiving Break
	11/25/09	W	Thanksgiving Break
	11/27/09	F	Thanksgiving Break
39	11/30/09	M	Chapter 25 (Make-up Exams will be scheduled during this week)
40	12/2/09	W	Chapters 25, 26 Protists and fungi
41	12/4/09	F	Exam 4
42	12/7/09	M	Review
	12/11/09	F	(Final Exam: Dec 11 – 8AM)

**Marshall University, Division of Student Affairs
Absence from Class Policy
Excerpted from the 2005-2007 Undergraduate Catalog, pages 127-129**

It is Marshall University's policy that each instructor evaluates the importance of student class attendance. In the course syllabus, the instructor provides his/her policy on class attendance, missed work, and related matters.

Excused absences fall into five categories: **(1)** university sponsored activities; **(2)** student illness or critical illness/death in the immediate family; **(3)** short-term military obligations, **(4)** jury duty or subpoena for court appearances, or **(5)** religious holidays.

For excused absences, the student should not be penalized. This means that any benefit or academic choice that accrues to students who are in class will not be denied to students with excused absences.

1. University-Sponsored Activities

- a. Academic activities including, but not limited to, performing arts, debate and individual events, honors classes, ROTC, and departmental functions. These absences are to be excused by the academic dean within whose unit the activity is sponsored. The academic dean must pre-approve any notice that is sent to faculty regarding absences of this type.
- b. Athletics. These absences are to be excused by the Dean of Enrollment Management, who must pre-approve any notice sent to faculty.
- c. Other university activities, including student government and student organizations. These activities are to be approved by the Dean of Student Affairs and excused by the Office of Academic Affairs prior to any notice being sent to faculty.

2. Illness or Death in the Family. All requests under this category are submitted to the Dean of Student Affairs.

- a. Illness or injury of student: The student who seeks an excused absence must submit written confirmation of treatment by a medical practitioner. This documentation should be presented as soon as the student returns to class. Documentation must include the inclusive dates.
- b. Death or critical illness in the Immediate Family: "Immediate Family" is defined as spouse, child, parent, legal guardian, sibling, and grandparent. The student who seeks an excused absence for this purpose must submit one of the following to verify the relationship to the deceased: an obituary with the student named as a relative; a funeral program with the student named as a relative; a verification of the death and the relationship issued by a clergy person or funeral home personnel (must be on letterhead stationery). The documentation should be submitted to the Dean of Student Affairs on the day the student returns to class.
- c. Illness of Family Member. Students seeking excused absences for the critical illness of a family member must provide documentation of the circumstances.

3. Short-Term Military Obligation

To be excused by the Dean of the student's college.

4. Jury Duty or Subpoena for Court Appearance

Student must submit subpoena or notification of jury duty to the Dean of the student's college.

5. Religious Holidays

To be excused by the Dean of Student Affairs.

