

Lectures: MWF 9 – 10 BUR 108

Discussion Sessions: 49355 Th 8 - 9 JES A205A
 49360 Th 9 – 10 JES A205A
 49365 W 1 - 2 ENS 126
 49370 W 2 - 3 CBA 4.348

Instructor: Dr. James R. Walker
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TA:

Web Page: Visit the web page for the syllabus, lecture schedule, copies of old exams, a list of important bacteria and their characteristics which must be memorized, a list of chemicals the structures of which must be memorized, and a study guide. This study guide consists of about 400 pages and includes introductions to the major topics to be covered, outlines, and structural formulas and diagrams. The study guide should be studied before lecture to become familiar with the material. During class, you may take notes directly on the study guide. The study guide is designed to help you prepare for class and to take notes during class; it is not designed to replace attendance and note-taking during class.

Text: **Optional** Prescott's Microbiology, 8th ed. W.C. Brown pub. You may use an older edition or a different text. Note: Students with more extensive academic backgrounds might substitute the study guide for a text; students who need to develop their academic background probably should use the text for basic information and as reference material.

Prerequisites: Bio 325 and Chem 302 with a grade of C or better in each. Anyone without the appropriate prerequisites will be dropped (unless your major does not require that course).

Background Knowledge: It is assumed that everyone who has completed the required prerequisites will know the following processes and be able to use the concepts indicated. Some exam questions will assume good understanding of the following:

- A. The nature of enzymes and how they function
- B. Chromosome structure and replication, the concept of template-directed DNA synthesis
- C. Transcription and translation, use of genetic information in both
- D. Genotype/Phenotype; Mutation/Mutant
- E. Recombinant DNA and Biotechnology

Exams: The first three exams will include multiple choice, short answer, short essay, diagrams, sketches and structural formulas. The fourth exam will cover only the last fourth of the course. It will be all multiple choice. Anyone who misses any one of the first three exams for an emergency may take a make-up. See the instructor. Exams which remain unclaimed for three class days after they are made available for pickup will be discarded.

Grades: Grades will be determined by averaging all four exams and assigned on the basis of 90-100, A; 80-89, B; 70-79, C; 60-69, D; less than 60, F, but a curve of 2 points is usually applied at the end of the semester. **THERE IS NO OTHER BASIS FOR GRADING. PLEASE DO NOT ASK ABOUT SPECIALTREATMENT.**

Re-grading: Mistakes are sometimes made in grading. When this happens, indicate the nature of the mistake on the front page of the exam and hand it back to the instructor by the end of the third class following the time the graded exams are made available. Every exam handed back for re-grading will be re-graded completely. Overall, students might gain or lose points. Check the key before submitting for re-grading.

Emphasis: The emphasis will be on concepts, rather than on details. However, enough facts must be learned to be able to understand the concepts. The lists of chemicals and bacteria must be memorized according to the instructions on the lists. The text contains too much material to be covered in class. We choose, therefore, to lecture on, and to examine over, the most important material. All exam questions will be taken from material presented in class or listed on the study guide.

Recommended study habits:

Before Class: Read the assigned text to familiarize yourself with the material.
Use the study guide to identify the topics to be covered in lecture.
Study those topics in detail.

During Class: Attend regularly and take notes.

After Class: Copy over the notes in good form in a permanent notebook.
Use the text and study guide to fill in any gaps in the lecture notes.
Concentrate on the lecture notes. Use the text more-or-less as reference material.
Self-examination. Answer old exam questions without looking at the notes; score your answers to see how well you did.

General: Remember that Microbiology is, by nature, continually building on material already learned. You cannot hope to postpone studying because it is necessary to know what was covered earlier to understand succeeding lectures.
Study continually during the semester. Do not put off studying until exam time.
For exams, arrive early and put yourself together before the exam begins.

Disabilities: The University of Texas at Austin provides appropriate academic accommodations for qualified students with disabilities, upon request. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641

SEP	9	Last day to drop for possible refund
OCT	19	Last day to change to or from Pass/Fail or Credit/No Credit
NOV	1	Last day to drop or withdraw with approval, except for urgent and substantiated, nonacademic reasons.