

BIO 2420

MICROBIOLOGY COURSE INFORMATION

BIOLOGY DEPARTMENT

DIVISION OF ARTS AND SCIENCES

SOUTH PLAINS COLLEGE

INSTRUCTOR: REBECCA ZAMORA

## MICROBIOLOGY 2420

**INSTRUCTOR:** REBECCA ZAMORA      **OFFICE:** S133

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**OFFICE HOURS:** MW: 11am - 1:30pm      TR: 8:45 - 9:15am, 2:45 - 3:15pm  
Friday: 8:30am - 9am; 11:30am -12:00pm

**COURSE DESCRIPTION:** A general microbiology course that covers the morphology and physiology of microorganisms with particular emphasis on the microbial relationship to disease, pathogenicity, and the immune response.

This course is designed for students entering the allied health profession such as: nursing, respiratory therapy, dental hygiene, etc... This course satisfies the requirements for an Associate in Arts and Associate in Science degree as well as requirements for transfer students working toward a Bachelor of Arts degree, Bachelor of Science degree, or certification in allied health fields.

**Please Note:** This course is designed for allied health professionals and will not provide credit for Biology majors, Pre-Med, Pre-Dentistry, or Pre-Vet. **This course is not a core science curriculum course. If you are not sure, please contact the instructor.**

**TEXTBOOK:** Required. Microbiology Openstax Textbook; available for purchase at the SPC Bookstore or available online for Free at: <https://openstax.org>

Free online textbook copy: <https://openstax.org> Click on Subjects icon, click on Science, click on Microbiology

**LAB MANUAL:** Lammert, John. Techniques in Microbiology. A Student Handbook. (Spiral bound) Purchase at SPC Bookstore. (Required)  
ISBN: 0-13-224011-4

**STUDENT NOTE PACKET AND LAB SUPPLEMENT:** Purchase at SPC Bookstore. (Required)  
Titled: General Concepts in Bacteriology (Be sure to purchase the one for Zamora)  
**Be sure to purchase the student note packet for the first day of class as there will be a full lecture and the note packet is designed to help you take notes.**

**SCANTRON SHEETS:** You will need to purchase 5 scantron sheets for use on lecture exams (of which there are 5). The scantron sheets are **BLUE** in color. The scantron form number is #19641.

**LAB SUPPLIES/EQUIPMENT:** Provided by Instructor.

**Safety Glasses:** Safety Glasses are required for Microbiology lab. Safety glasses **will be** provided in lab but you will share these with other students. If you would like to purchase your own personal pair of safety glasses, they are available for purchase at the SPC Bookstore in Levelland and cost \$4 - \$5 dollars

**CLASS SECTION:** Each student is required to attend the class and lab section that he/she is registered for in the semester.

**TAPING:** **Audio presentations will be provided on Blackboard for lecture material.**  
Taping is not permitted unless acceptable documentation is provided by Special Services.

**BLACKBOARD:** Log onto Blackboard from SPC Homepage for announcements, reviews, handouts and audio presentations for this semester. **If there is a weather event that produces poor driving conditions (ice and excessive snow) and class is cancelled, the lecture**

course content material will be released on blackboard which will include PowerPoint slides and audio lecture material.

**Blackboard Website:** <http://southplainscollege.blackboard.com/>

(Log in with SPC User name and password.)

**Firefox** is the preferred web browser to support Blackboard. You can obtain a free download at the following website: [www.mozilla.com](http://www.mozilla.com)

**CLASS ATTENDANCE:** Lecture and lab attendance is mandatory. Microbiology is a lab intensive class. If absent, it is your responsibility to check with fellow students about any missed lecture and/or lab material and **Students need to consult with the instructor when an absence occurs.**

**Absences will be documented starting from the first class meeting in the semester.**

When an unavoidable reason for a class absence arises, such as an illness or an official trip authorized by the college, the instructor may permit the student to make up the missed lecture and lab work. In such cases, it is the student's responsibility to complete the work missed within three days of their absence.

Tardiness to lecture or lab will not be tolerated. 2 tardies equals 1 absence. Remember: Tardiness is disrespectful to the instructor and fellow classmates. **Absences and tardies will be considered when tabulating the course grade.**

**Leaving class early will be documented the same as a tardy. If student attends lecture but not lab, that student will receive 1 absence for missing lab class or vice versa.**

Whenever absences become excessive and, in the instructor's opinion, minimum course objectives cannot be met, the student will be administratively withdrawn from the course. **Your presence is fundamental to meeting the objectives of this course; consequently, the instructor will initiate a student's administrative withdrawal when the student has 4 absences in the semester (Remember: lecture and lab count separately).**

NOTE: At the time of administrative withdrawal by the instructor, the student will be dropped with either an "X" or U if passing or F if failing.

*It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.*

**COURSE EVALUATION:** The lecture grade will consist of 4 major exams and a final exam. The final exam will not be comprehensive. This will compose 70% of the course grade. Exams will be multiple choice, matching, and true or false. Lab grade will compose 30% of course grade.

|                             |           |   |            |
|-----------------------------|-----------|---|------------|
| <b>LECTURE REQUIREMENT:</b> |           |   |            |
|                             | EXAM I    |   | 14%        |
|                             | EXAM II   |   | 14%        |
|                             | EXAM III  |   | 14%        |
|                             | EXAM IV   |   | 14%        |
|                             | FINAL     |   | <u>14%</u> |
|                             |           |   | 70%        |
|                             | LAB GRADE | + | <u>30%</u> |
|                             | TOTAL     |   | 100%       |

**LAB REQUIREMENT:** 30% of Grade

|               |             |            |
|---------------|-------------|------------|
| A. Lab Exams: |             |            |
|               | Lab Exam I  | 10%        |
|               | Lab Exam II | 10%        |
| B. Unknowns:  |             |            |
|               | Unknown     | <u>10%</u> |
|               |             | 30%        |

**GRADING SCALE FOR COURSE EVALUATION:**

Your percentage grade will be tabulated based on one of the following scales, depending on your attendance/absence/tardy record. If your combined absences and tardies are no more than two, you will be assigned a grade based on a lower requirement for a particular grade. If your combined absence/tardy number are more than two you will be assigned a grade based on the standard scale, given below. There will be no exceptions.

**LOW ABSENCE/TARDY SCALE**

89 - 100 = A  
79 - 88.5 = B  
69 - 78.5 = C  
59 - 68.5 = D  
58 and below = F

**STANDARD SCALE**

90 - 100 = A  
80 - 89.5 = B  
70 - 79.5 = C  
60 - 69.5 = D  
59.5 and below = F

**MAKE-UP EXAMS:** Students will be allowed to make up only one lecture exam that must be taken within 3-5 days. The make-up exams are short answer/essay exams. Any additional exams missed will receive a grade of zero. There will be **NO make-up exams for Lab exams or Final exam** unless it is a **documented** medical emergency.

**CELL PHONE/PAGERS:** All cell phones/pagers must be turned off during class time. All cell phones/pagers must be put away during class time (this includes cell phones that are placed on the ear). Cell phones are disruptive to classroom conduct.

**ACADEMIC DISHONESTY:** "Cheating" on exams and assignments will not be tolerated. If a student is caught cheating on an exam or on course work, the student will receive a zero for that exam or assignment and be dropped from the class.

**DISMISSAL POLICY:** A high standard of conduct is expected of all students. **It is assumed that obedience to the law, respect for properly constituted authority, personal honor, integrity, proper safety, and common sense will guide the actions of each member of this class.** Any student who fails to perform according to expected standards may be asked to withdraw. **Because of the potential hazards in the laboratory, any student who proves to be a danger to self or fellow classmates will be asked to withdraw or will be dropped from the class by the instructor.**

**DISABILITIES:** ADA Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.