COURSE SYLLABUS
Biol 2120

COURSE NUMBER AND TITLE: BIOL 2120 - Microbiology Laboratory for Non Science Majors

COURSE DESCRIPTION
This laboratory develops sound techniques in culturing, staining and identifying microorganisms.

Instructor: Dr. Emmanuel Formacio Serna                                                Office: U-142
Mrs. Sylvia Emmert
Email: eformaciosern@tstc.edu                                                     Phone: (956) 364-4778

LABORATORY SCHEDULE

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>Exercise</th>
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<tbody>
<tr>
<td>The Wide, Wide World of Microbes</td>
<td>1</td>
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<tr>
<td>Pure Culture Techniques</td>
<td>2</td>
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<tr>
<td>The Compound Microscope</td>
<td>3</td>
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<tr>
<td>The Bacterial Smear and Simple Stain</td>
<td>4 &amp; 5</td>
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<tr>
<td>The Gram Stain Technique</td>
<td>6</td>
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<tr>
<td>Mid Term Test (Exercises 1 - 6)</td>
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<tr>
<td>The Acid Fast Stain</td>
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<tr>
<td>The Spore Stain</td>
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<tr>
<td>Effects of Temperature on Bacteria</td>
<td>9</td>
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<tr>
<td>Effects of UV Radiation on Bacteria</td>
<td>10</td>
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<tr>
<td>Effects of Antiseptics, Disinfectants, and Antibiotics on Bacteria</td>
<td>11 &amp; 12</td>
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<tr>
<td>End of Term Test (Exercises 7 - 12)</td>
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REQUIRED LABORATORY MANUAL AND MATERIALS
James R. Sullivan, UNSEEN CREATURES GREAT AND SMALL: A Laboratory Manual For General Microbiology.


* MANDATORY

SCAN-TRON Answer Sheets, Form 882

GRADING CRITERIA AND SCALE
1. The following are the weights for the course grade:
   - Laboratory Reports 30%
   - Laboratory Mid-Term Test 30%
   - Laboratory End-Term Test 30%
   - Attendance 10%

2. The following are the grade ranges for the final course grade:
   Numeric Value   Letter Value
   90 - 100 .......... A
   80 - 89 ............ B
   70 - 79 ............ C
   60 - 69 ............ D
   < 59 ............... F
TEST REVIEW
You have **two weeks** from the day of the test to review your grade!

MAKE-UP/CLASS POLICIES
In the event of a missed scheduled test, the STUDENT is required to turn in a written excuse and must contact the instructor within the first two days to review the eligibility for a make up test. **There is a NO MAKE-UP policy for laboratory sessions missed.** Lab reports are due on the day of the exercise.

Copyright Statement
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Communicating with your instructor (MyMail E-mail System)
All official college E-mail to students is sent through MyMail, the official student e-mail system at TSTC Harlingen. When communicating with instructors and/or employees of the college, you are required to use your TSTC MyMail student e-mail address. If you choose to forward your e-mail to another account, please be advised that you must respond from the MyMail account.

TSTC Harlingen faculty, staff, and students are asked to report all threats, perceived or real, immediately to College Police located in the Auxiliary Building. If the threat is imminent, the College Police emergency phone line at 364-4234 or 9-911 should be called. College Police will then coordinate the proper response in accordance with State and federal laws and TSTC System/College rules and regulations.

ATTENDANCE POLICY/TARDINESS
Students are **required** to attend every laboratory session.

ACCOMMODATIONS
If you have a documented disability which will make it difficult for you to carry out classwork as outlined and wish to request reasonable accommodations, please notify the Support Services Office within the first two (2) weeks of the semester. For more information, visit the Support Services Office in the Auxiliary Services Building or call (956) 364-4520.

RULES
1. Do not eat or drink in the laboratory room.
2. Anyone caught cheating will be dropped from the course by the instructor.
3. Other than cheating, the instructor will not process drops for students who fail to attend class. If you choose not to complete the course, it is your responsibility to drop.
4. **Keep your CELL PHONES and PAGERS in SILENCE mode during class.**

General Safety/Emergency Statement:
In the event of an emergency, students should familiarize themselves with building and classrooms emergency exits/evacuation routes and be able to locate the nearest fire extinguisher. When an emergency alarm is activated, students should immediately leave the classroom, exit the building, and go to a designated safe area until clearance is given to go back into the building. Students should also register and be familiar with the Emergency Notification System.