Instructor: Dr. Loree Branham
Email: loree.branham@angelo.edu
Phone: 325.486.6749
Office: VIN 221
Graduate Assistant – Kalynn Hardegree – khardegree1@angelo.edu

Office Hours:
Monday and Wednesday 8:30-9:30, Thursday 1:30 – 4:00, by appointment
* Note: Due to ongoing research, there may be times during my scheduled office hours when I will not be available- please make an appointment if at all possible.

Course Information

Course Description
The Study of microorganisms important in food production, spoilage, preservation and illness. Nutrient needs, growth characteristics, testing methods, and illnesses caused by microorganisms will be investigated.

Prerequisite
FSCI 1329

Recommended Text (not required):
Modern Food Microbiology
James M. Jay et al.

Additional readings will be provided by the professor via blackboard.

Course Delivery
This is a face-to-face course with learning resources and supplemental materials posted in Blackboard.
Lecture outlines and additional learning resources and supplemental materials will be posted in Blackboard.
Student Learning Outcomes

Student Outcomes – Upon successful completion of this course, students will obtain the following:
- An appreciation and general knowledge of food microbiology and the food safety industry so they can become more knowledgeable consumers and employees in their chosen occupation.
- Knowledge relating the microorganism and the illness it causes.
- Be familiar with various procedures utilized in assessing the safety of different food stuffs.
- Become familiar with proper writing format utilized in current food industry journals.

Technology Requirements

To successfully complete this course, students need access to a computer with the capacity to access the internet, play videos, and audio content. In the event of the course moving to online instruction, students will be required to take exams and quizzes through Respondus Lockdown Browser and will be video recorded via Respondus Monitor. Respondus requires a desktop computer or laptop (not a Chromebook) and a webcam. For best results, use an ethernet cable to connect to your Internet source instead of relying on Wifi. Refer to the Blackboard course for Respondus installation instructions.

LAB REQUIREMENTS:
- Labs will meet at MIR unless otherwise noted.
- Quizzes given during lab will begin promptly at 1:00. Students that arrives after the quiz is given will receive a zero for that quiz.
- All students must wear closed toed shoes and long pants during lab. **Masks and face shields are required. Shields will be provided by department.**
- NO food/drink, smoking, chewing, dipping, or chewing gum during lab.
- Students are responsible for setting up and thoroughly cleaning their lab space and any supplies utilized during lab.
- All cell phones will be placed on silent prior to lab.

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday. **Written communication via email:** All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line. **Virtual communication:** Office hours and/or advising may be done with the assistance of the telephone, Collaborate, Skype, etc.
Content and Grading

<table>
<thead>
<tr>
<th>LECTURE</th>
<th>Topic of Discussion</th>
<th>LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>Techniques</td>
<td></td>
</tr>
<tr>
<td>History of Microbiology</td>
<td>Aerobic Plate Count</td>
<td></td>
</tr>
<tr>
<td>Growth Factors</td>
<td>Yeast and Molds</td>
<td></td>
</tr>
<tr>
<td>Microbial Media</td>
<td>Environmental Monitoring</td>
<td></td>
</tr>
<tr>
<td>Analysis Methods - Traditional/Rapid</td>
<td>Coliforms / E. coli</td>
<td></td>
</tr>
<tr>
<td>Indicator Organisms</td>
<td>Traditional and Rapid detection of Pathogens</td>
<td></td>
</tr>
<tr>
<td>Spoilage Organisms</td>
<td>Food Production</td>
<td></td>
</tr>
<tr>
<td>Fungi</td>
<td>Individual Projects</td>
<td></td>
</tr>
<tr>
<td>Bacterial Pathogens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viruses/Prions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parasites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Considerations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zoonotic Illness</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course grades will be determined as indicated in the table below.

**GRADING:**

- Case Studies/Lab Assignments/Quizzes 200
- Lab Practicum/Final Project Report 100
- 3 Exams (100pts each) 300
- 1 Final Exam (cumulative) 100

**Total Points Possible** 700 points

**COMPREHENSIVE FINAL EXAM** – Friday, November 20th, 2020 from 8:00am

Exams and quizzes will be taken in person during assigned laboratory times.

The dates for lab quizzes/Exams will be announced by your instructor a minimum one week before the quiz takes place.

**COMPREHENSIVE LAB PRACTICUM** November 16th during lab.

**Grading System**

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- **A** = 90.00-100 % of points
- **B** = 80.00-89.99 % of points
- **C** = 70.00-79.99 % of points
- **D** = 60.00-69.99 % of points
- **F** = 0-59.99 % of points (Grades are not rounded up)
**Classroom Decorum**

Students are asked to place cell phones on silent mode. **Text messaging during class/lab is not permitted.** If texting occurs, student will be warned once and then asked to leave classroom. No food consumption or tobacco use class. Please refrain from talking to other students during lecture. Professional behavior toward instructor(s) and fellow students is expected and required. **Students are permitted to use laptop computers, tablets, and voice recorders to take notes in lab only AFTER obtaining permission of the professor.** Feel free to ask questions of the instructor or relate pertinent information at any time during class. Questions and comments are encouraged and appreciated.

Absences from lab will be excused for illness if a physician’s note is provided, proof of a family member’s death, or absences due to travel related to a University function **(A memo from sponsoring faculty member is required- it is the students responsibility to confirm the professor has received the memo notification).** No Make-up Exams or Quizzes will be given. If you know you will be absent on the day of an exam, notification is required at least one full week in advance in order to take an exam early. Absences due to an unforeseen emergency which occur on an exam day will be dealt with as they occur.

**General Policies Related to This Course**

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)
- [Angelo State University Catalog](#)

**Academic Integrity**

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s [Statement of Academic Integrity](#).
Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website.4

The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures5 for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU’s Academic Integrity policy6 in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.7
Student Absence for Observance of Religious Holy Days
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance. Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Required Use of Masks/Facial Coverings by Students
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant
reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Modifications to the Syllabus
This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

Course Schedule
Please see Blackboard Course Calendar for scheduled laboratory topics, quiz dates and exam dates. After dates are posted, the instructor will try and adhere to this schedule as close as possible, however, these dates are subject to change - The instructor will communicate any change in assessment dates via email to your angelo.edu email address. Please check your email daily for any course updates or announcements.

1 https://www.angelo.edu/student-handbook/
2 https://www.angelo.edu/catalogs/
3 https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
4 https://www.angelo.edu/services/disability-services/
5 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
6 https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
7 https://www.angelo.edu/dept/writing_center/academic_honesty.php
8 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
9 https://www.angelo.edu/services/title-ix/
10 http://www.texastech.edu/downloads/ttus-policy-face-coverings.pdf