

Arkansas State University-Newport’s mission is to provide an accessible, affordable, quality education that transforms the lives of our students, enriches our communities, and strengthens the regional economy.

BIOL2004: Microbiology

ACTS Equivalency: BIOL2004 Introductory Microbiology

Catalog Description: A study of microorganisms, in particular, bacteria, involving their structure and function at the molecular level, and interaction of these organisms with humans and their environment. Knowledge of basic chemistry is strongly recommended

Course Type: Lecture and On-Campus Lab

Credit Hours: 4

Prerequisites: BIOL 1004 Biological Science or BIOL2404 Human Anatomy and Physiology I

Instructor Name:

Office:

Office Phone:

Email:

Office Hours:

Department Information

Course Department:

Academic Department:

Academic Coordinator:

Associate Dean/Director:

Associate Dean/Director Contact Number:

Email:

Associate Dean/Director Email:

MATERIALS: REQUIRED AND OPTIONAL

Required Text:

LECTURE TEXTBOOK: *Foundations in Microbiology*. 10th ed. By Kathleen Park Talaro, McGraw-Hill, (2018). ISBN: 9781259705212 – (book only—**no access code required**)

LAB BOOK: *Microbiology Laboratory Theory and Application, Brief, 2nd Edition, CUSTOMIZED FOR ARKANSAS STATE UNIVERSITY -NEWPORT*. 2015. Ed. by Michael J. Leboffe and Burton E. Pierce. Morton Publishing Co.; ISBN: 978-1-61731-514-5

NOTE: To reduce the cost of this lab manual, we have customized the edition required starting in the Fall 2015 semester. However, IF you already have the FULL version of the lab manual: *Microbiology Laboratory Theory and Application, Brief, 2nd Edition*. 2012. Ed. by Michael J. Leboffe and Burton E. Pierce. Morton Publishing Co.; ISBN: 9780895829474, that is fine to use as well.

The textbooks are available from the ASU-Newport bookstore – if you are not in/near Newport, the bookstore can ship the textbook to you. Temporary Bookstore locations are available at the ASUN-Jonesboro and ASUN-Marked Tree campuses at the beginning and end of the semester. Call the ASU-Newport bookstore at 870-512-7806 for more information.

Optional Text(s): None

Required Materials: 3-ring binder, colored pencils, lab coat or old shirt to protect your clothing, ponytail holder if you have long hair, and **closed-toe shoes**. ASUN Student Email and ASUN Portal Username and Password (same for email and Portal/Canvas), access to a computer equipped with Microsoft Word, Microsoft Excel, Adobe Acrobat Reader and Internet

Optional Materials: Highlighter, Sharpie Marker, note-taking paper of choice, and a good method of staying organized and on top of due dates, etc.

References: Campus Library and Internet; Online Learning Center at <http://www.mhhe.com/talaro10> (you don't need a password or email to log in, just click on "Resources" and use the file menu on the left)

INSTITUTIONAL POLICIES

Institutional Learning Outcomes

Upon graduating from ASU-Newport with any Associate Degree, a student will be proficient in the following:

ILO1: Communication

Goal: Students will express ideas, knowledge, and concepts in a clear and concise manner.

- a) Written
- b) Verbal
- c) Interpersonal

ILO2: Reasoning

Goal: Students will apply reasoning skills in a variety of environments, which demonstrate problem-solving and applied knowledge.

- a) Explore
- b) Locate
- c) Interpret
- d) Evaluate
- e) Apply

ILO3: Responsibility

Goal: Students will participate in service activities that instill in them a sense of social responsibility.

- a) Civic
- b) Academic
- c) Financial

Institutional Grading Scale

Grading Scale:

- A: 90-100
- B: 80-89
- C: 70-79
- D: 60-69
- F: 0-59
- S: Satisfactory
- U: Unsatisfactory

Americans with Disabilities Act Compliance

In order to obtain appropriate disability related accommodations and services to which they are entitled, students with documented disabilities should voluntarily and confidentially provide the Office of Educational Access (870-512-7838 or CEA@asun.edu) with appropriate medical documentation regarding the nature and extent of their disability, make their needs known to this Office and follow established procedures for acquiring needed services and accommodations in the classroom or online.

Information Technology Services

If you experience any problems or issues with Canvas, MyCampus, or other equipment, please contact ITS at 870-512-7783 or <http://its.asun.edu>. Canvas also has a 24/7 live chat. This is a valuable resource for those late-night tests or assignments that just do not seem to work properly.

ASU-Newport provides a number of different services to assist students in areas that directly impact their academic success. The following direct websites will help you get in touch with those services that may be needed during your time as an ASUN student:

Academic Support Center: <http://academicsupport.asun.edu>

Financial Aid: <http://financialaid.asun.edu>

Career Pathways: <http://pathways.asun.edu>

Last name of Faculty, Semester

University Police: <http://cpd.asun.edu>
 Information Technology Services: 512-7783 or its@asun.edu
 Center for Educational Access: <https://www.asun.edu/cea>
 Admissions: <http://admissions.asun.edu>

Academic Dishonesty (as stated in the Student Handbook)

ASU-Newport enthusiastically promotes academic integrity and professional ethics among all members of the ASU-Newport academic community. Violations of this policy are considered serious misconduct and may result in disciplinary action and severe penalties. Cheating in any form-including plagiarism, turning in assignments prepared by others, unauthorized possession of exams - may result in the student being dropped from the class with an “F” and/or being suspended from the College. Students who feel they have been unfairly accused of cheating may appeal to the Associate Dean of General Education.

Printing

*Each student is allowed 200 sheets of copy paper per semester for printing. Additional printing requires a \$5.00 printing fee which covers an additional ream of copy paper. The fee can be paid by either visiting or calling the Business Office.

Campus Safety Information

What to know and do to be prepared for emergencies at ASUN:

- Opt-in to receive ASUN’s School Messenger notifications regarding weather closings, emergencies, and other important notifications. All currently enrolled students will receive an email within the first two weeks of the semester prompting them to Opt-in to the messaging system.
- Know the safe evacuation route from each of your classrooms. Emergency evacuation routes are posted in on-campus classrooms.
- Listen for and follow instructions from your instructor or other designated authorities.
- For additional emergency information see the ASUN Emergency Response Guide in the Portal under “More” then select “Department of Safety”.
- Know the emergency phone number for ASUN Campus Police or dial 911.
- Report suspicious activities and objects found on campus.
- Keep your permanent address and emergency contact information current in My Campus.

Inclement Weather

In the event of inclement weather, class cancelation is left to the discretion of the Chancellor. You will be notified of class cancelation on the university website, through news media, and through our school messaging system.

Children in the Classroom:

ASUN classroom policy requires that the learning environment should be free of distraction in order to provide the highest learning opportunity for all students. In this light, students should not bring children to the classroom. If you must bring a child on campus, please have your child properly supervised in the public gathering areas.

NOTE TO STUDENTS:

All course activity open and due dates are articulated in Central Standard Time (CST) regardless of the student’s residential location. If you reside in a time zone other than CST, please ensure you utilize the appropriate conversion for all course activities.

COURSE POLICIES

COURSE LEARNING OUTCOMES

Upon the successful completion of this course, students will able to:

ASUN COURSE LEARNING OUTCOMES	ASSESSMENT
Recognize the significance of microbiology and the historical events that led to its development.	

Recall the concepts associated with microbial growth, metabolism, and genetics.	
Classify microorganisms based on cellular characteristics and behavior.	
Discuss general methods of prevention and control of infectious disease transmission.	
Identify how host-microbe interactions result in infection.	

MSA: The MSA (Master Summative Assessment) for this course is comprised of the Comprehensive **MIDTERM EXAM and/or FINAL EXAM, Lab Exam and Lab Notebook**. It is explained further in the syllabus, and covers all course learning outcomes. It will also cover ILO 2E. The rubric is posted in Canvas.

Academic Calendar

<http://www.asun.edu/catalogs>

Finals Schedule

<http://www.asun.edu/catalogs>

Disclaimer

This syllabus and all documents associated with the syllabus are considered a contract between the student and the instructor. Students are expected to carefully read and review the syllabus and all associated documents in order to be familiar with course expectations and policies. This syllabus is subject to change at the discretion of the instructor, who will inform students of any changes. Students are responsible for keeping up with any changes.