

Southern Arkansas University Tech
P.O. Box 3499 ~ Camden, AR 71701 ~ 870-574-4500
www.sautech.edu

Online Course Information Form

Course Number: BSCI1011

Course Title: The Biological Sciences Lab.

Course Description: Lab experiments will be performed to support the partner course, BIOL1013
The Biological Sciences, which is “A morphological, physiological, and taxonomic survey of the plant and animal kingdoms with emphasis on basic biological principles.”

Instructor: Luanne Woods Lewis, Laura Camp

Instructor Bio:

Luanne Lewis lives in Monticello Arkansas where she teaches high school Chemistry at Monticello High School. She has a bachelor’s degree in Biology from Hendrix College in Conway, Arkansas and a master’s degree in Educational Technology from Pepperdine University in Malibu, California.

Laura Camp lives in Magnolia, AR. She holds a B.S. degree from Oklahoma State University and an M.S. degree from Louisiana State University.

Prerequisite: Appropriate ACT or equivalent score on alternate test, CO0133 and CO0223

Learning Outcomes:

The student will demonstrate, by scoring 70% on lab reports, an understanding of basic laboratory practices.

- a. The student will work in pairs or small groups to gather information, perform experiments, and review results of the group’s work
- b. The student will collaborate with others to function effectively in problem solving
- c. The student will develop patterns of scientific reasoning by making observations, developing hypotheses, performing tests, and analyzing results to understand a natural phenomenon

Teaching Methodology, including description of interaction between student and instructor:

Submit lab reports to instructor via email.

Students must email the instructor via WebCT within 14 days of the first day of the course to verify access and participation.

Methods of Assessment: Submit lab reports to instructor via email. All labs are online. Do not purchase lab books. This one-hour course grade will be determined based on the total of 100 points for each 10-point lab.

Labs (10):

Enzymes and the Scientific Method

Earthworms

Salt Tolerance of Seeds

Virtual Field Trip to the San Diego Zoo

Physical Factors of Soil

Illustrating a Pedigree
Determining the Size of an Animal Population
Net Frog (virtual frog dissection)
Microscope Imaging Station
Focus on Research: Stem Cells

Optional Labs for Bonus points added to lowest test grade in the partner course, BIOL1013

The Biological Sciences:

BioLabs: Inheritance

BioLabs: Independent Assortment

Enrollment Procedures: Non-degree seeking students applying for admission to SAU Tech must submit an application for admission, a registration demographic information sheet, and ACT, SAT, or ASSET Test Scores or, if applicable, official college transcript(s) with proof of Composition I and Intermediate Algebra (having earned a letter grade of “C” or better). Full-time degree seeking students and part-time degree seeking students applying for financial aid applying for admission to SAU Tech must submit an application for admission, a registration demographic information sheet, ACT, SAT, COMPASS or ASSET Test Scores, immunization record (if born after 01/01/1957), high school transcript or GED scores, and official college transcript(s), if applicable. (Note: Part-time students not applying for financial aid do not have to submit immunization record.) You may contact the Admissions Office at (870) 574-4558.

Special Enrollment Issues (specialized software or equipment, access to a particular network, or similar requirements):

Students will need to purchase materials for labs at local stores such as grocery stores, bait stores, Wal-Mart, Dollar Tree, Fred’s etc. Students will need to download a free version of Quicktime.

Special Attendance Requirements (student contact with instructor, proctored examinations, etc.):

All students will need to submit ALL labs prior to the 2-week deadline at the end of the term. Labs submitted late will not be accepted. All labs can be conducted alone or with another classmate as a lab partner.

Access to Learning Resources: Students will receive all required discussion materials through the Internet, links to texts, and the electronic mail within WebCT. Students will be required to purchase the course textbook, if applicable, and Learning Resource Center access is encouraged but not required to be successful. The Bookstore number is 870.574.4510. The Library phone number is 870.574.4518.

Other Considerations (writing ability, assignments/projects, time considerations, etc.):

Students will need Internet access, MS Word, Adobe Acrobat Reader, and the ability to receive and send e-mail attachments.

All Courses

- Microsoft Word – used to complete assignments and submit to instructor
 - Cost: \$160 (for entire Microsoft Office suite which includes Word, Excel, PowerPoint, and Access)
 - Can be purchased from Wal Mart or other software vendor and will need to be loaded onto your computer
 - There is also a free product that works just as good as the Microsoft Office Suite. You can download it at <http://www.openoffice.org>.
- Respondus LockDown Browser – used to take exams in Blackboard
 - Cost: Free

- Can be downloaded to your computer from http://www.sautech.edu/docs/ldb_instructions.pdf
 - *Note: Not compatible with Linux operating system. Must have Windows XP, 2000, ME or 98 operating system for personal computers or OS X 10.3.9 or higher and Safari browser for Macintosh.*
- Adobe Reader 7.0 or higher – used to read files in pdf format
 - Cost: Free
 - Can be downloaded to your computer from <http://www.adobe.com/products/acrobat/readstep2.html>
- Adobe Flash Player (7 or higher) – used to view study activities and demonstrations in Learning Strategies course
 - Cost: Free
 - Can be downloaded to your computer from http://www.adobe.com/shockwave/download/download.cgi?P1_Prod_Version=ShockwaveFlash
- Macromedia Shockwave Player 8.5.1 – used for interactive quizzes, animations and activities
 - Cost: Free
 - Can be downloaded to your computer from <http://www.macromedia.com/shockwave/download/download.cgi?>
- Windows Media Player – used to listen play audio files
 - Cost: Free
 - Comes as part of your Windows operating system
- Java – a technology that is required in order for Blackboard to function properly as well as some other programs that SAU Tech uses with its online classes (**Note: Only one version of Java can be running on your computer at a time.**)
 - Cost: Free
 - Can be downloaded to your computer from http://javashoplm.sun.com/ECOM/docs/Welcome.jsp?StoreId=22&PartDetailId=jre-1.5.0_05-oth-JPR&SiteId=JSC&TransactionId=noreg

Note: Before beginning your online course, you should go ahead and make sure each of these programs listed above are loaded on your computer. In addition to the above programs, the courses listed below will require additional programs as stated.