Southern Arkansas University Tech
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ONLINE COURSE INFORMATION SHEET

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 andCO0223

Textbook Information:

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

On-Campus Requirement
The final exam must be taken at an approved proctor site.

Modes of Interaction
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
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):
   1. Enzymes and the Scientific Method
   2. Earthworms
   3. Salt Tolerance of Seeds
   4. Virtual Field Trip to the San Diego Zoo
   5. Physical Factors of Soil
   6. Illustrating a Pedigree Determining the Size of an Animal Population
   7. Net Frog (virtual frog dissection)
   8. Microscope
   9. Imaging Station
   10. 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
SAU Tech is an open admissions college; however, we have several items that you must provide in order to be admitted:
   • Submit application for admission.
   • Submit a high school transcript or GED, and official college transcripts from all previously attended colleges (if applicable).

- Provide proof of two immunizations against measles, mumps and rubella.
- Take a placement test. Students enrolling must submit ACT, SAT, ASSET or COMPASS scores. Students can take the ASSET or COMPASS test at SAU Tech.

Students are responsible for all tuition and fees at the time of registration. Students must officially drop by written notice or in person in order to reduce their balance owed. If students never attend class, he/she will still be assessed partial tuition and full student processing fees, unless completely he/she completely withdraws during the 100% refund period.

In order for a student to drop a class, he/she must complete a drop form or send written request to his/her advisor. A $5 drop fee is assessed for drops that take place after the registration period ends.

Admissions Office Website: http://www.sautech.edu.edu/studentResources/admissions.aspx

Course Registration Website: http://www.sautech.edu/studentResources/advising.aspx

Technical Requirements and Resources
Students will need Internet access and have the ability to send and receive e-mail attachments using the e-mail within Blackboard.

Library Website: http://www.sautech.edu/lrc/index.aspx

Bookstore Website: http://sautech.textbooktech.com

Adult Learner Resources
Online library and bookstore services can be obtained at the library and bookstore websites.   Advising services can be obtained at http://www.sautech.edu/studentResources/advising.aspx.

Student Support and Learning Resources
Online library and bookstore services can be obtained at the library and bookstore websites.   Advising services can be obtained at http://www.sautech.edu/studentResources/advising.aspx.

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

Students will need Internet access and have the ability to send and receive e-mail attachments using the e-mail within Blackboard.   All first time online students are required to complete Learning Strategies before they will be allowed to take their online course(s).   The purpose of Learning Strategies is to teach students how to use Blackboard and provide information about other systems that students will use while a student at SAU Tech.

There are computer programs and other things that you will need if you are taking an online course from SAU Tech.   To make it easier for you, we have compiled a list of these things.   Before beginning your online course, you should go ahead and make sure each of these programs listed below are loaded on every computer that you will use while taking your online course(s).
- Microsoft Word – used to complete assignments and submit to instructor
    - Can be accessed via SkyDrive inside your student email account. **FREE**
    - Can be purchased from Wal Mart or other software vendor and will need to be loaded on to your computer
    - There is also a **free** product that works just as good as the Microsoft Office Suite. You can download it at http://download.openoffice.fm/free/?pk=26976
- 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

- o   Cost: Free
- o   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.)**
  - o   Cost: Free
  - o   Can be downloaded to your computer from http://javashoplm.sun.com/ECom/docs/Welcome.jsp?StoreId=22&PartDetailId=jre-
- Quicktime – used to view online labs.
  - o   Cost: Free
  - o   Can be downloaded to your computer from http://www.apple.com/quicktime/download/