Southern Arkansas University Tech
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www.sautech.edu

ONLINE COURSE INFORMATION SHEET

Course Number: ES2113

Course Title: Water Treatment Technology II

Course Description: This course continues to stress the Federal SDWA of 1988 and the 1996 amendments. This course covers the basic and technological aspects of water distribution, softening, fluoridation, filtration, metering, cross-connections and backflow with related operational valves, available materials, types of fire hydrants, services, meter types, maps, drawings, records, and public relations.

Instructor: Jeremy Rowe

Instructor Bio: Jeremy is the Water Program Coordinator and Instructor for the Arkansas Environmental Training Academy, SAU Tech, East Camden, Arkansas. He has a BA in Biology and Biblical Studies from Ouachita Baptist University, Arkadelphia, Arkansas. Jeremy's work experience includes seven years in environmental health protection with Arkansas Department of Health, three years as the Department's Training Coordinator for the Arkansas Drinking Water Program, and has been at the Academy for 5 years.

Prerequisite: ES1553 or approval of instructor.

Textbook Information:
Water Treatment Plant Operation, Vol. 1, California State University Sacramento, Office of Water Programs
Water Treatment Plan Operation Vol. 2, California State University Sacramento, Office of Water Programs

Learning Outcomes:
1. Should be familiar with terminology, analyses, and processes pertaining to water treatment and distribution.
2. Students should have working knowledge of both State and Federal Water Regulations and how Public Water Systems comply with those regulations.
3. Students should be able to complete basic mathematical calculations used in the Drinking Water Industry.

On-Campus Requirement
The final exam must be taken at an approved proctor site. Visit the college website at www.sautech.edu for detailed information.

Methods of Assessment
Writing Assignments: Essay/Short Answer
Quizzes and Unit Tests: Open book, multiple choice
Final Exam: Closed book, multiple choice

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/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
Prior computer skills are essential for success in an online class.   Prior to enrolling in an online class, you should be able to:
- Surf the Internet and download web pages
- E-mail and attach files and know proper e-mail etiquette
- Use Microsoft Word skills and submit papers with correct format, grammar and spelling

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
  - 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-