



Southern Arkansas University Tech

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870.574.4453 or 870.574.4586

www.sautech.edu

ONLINE COURSE INFORMATION SHEET

Course Number: MATH1023

Course Title: College Algebra

Course Description: This course covers a wide range of mathematical topics, including equations and inequalities, the Cartesian plane, functions, graphs, polynomial functions, rational functions, conic sections, exponential functions, logarithms, systems of equations and inequalities, matrices, determinants, and sequences. Applications for these topics and the use of graphing calculators will be stressed.

Instructor: Dr. Terry Hutson

Instructor Bio: I have taught Mathematics courses at Southern Arkansas University Tech as a member of the Arts and Sciences faculty since the Fall 1991 semester. I earned my EdD at the University of Memphis, MS at the University of Arkansas, Fayetteville, and BS at the University of Central Arkansas.

Prerequisite: Successful completion of MA1033-Intermediate Algebra or ACT/ASSET placement test score.

Textbook Information: *College Algebra: Graphs and Models*, 5th edition by Larson/ Hostetler/Hodgkins.

Learning Outcomes: Students will maintain a 70% average or better in all College Algebra topics to promote success in further studies of mathematics or to successfully complete the general education mathematics requirement for their degree. Topics include:

1. Equations and Inequalities
2. Functions and Graphs
3. Polynomial and Rational Functions
4. Polynomial and Rational Functions
5. Systems of Equations
6. Matrices
7. Sequences, Series, and Probability

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.

Modes of Interaction

Instructor utilizes a combination of reading and problem solving from the textbook. Class notes linked as pdf files. Students must show reasonable and satisfactory progress toward completing the required coursework throughout the semester. Students may be dropped from this course for failing to make reasonable and satisfactory progress throughout the semester. Students must also maintain contact with the instructor on a regular basis throughout the semester by sending at least one e-mail every three weeks to report your progress in the course. Students must contact the instructor to report any technical or personal issues that are preventing them from making reasonable and satisfactory progress in the course.

Methods of Assessment

Multiple-choice unit exams and lesson quizzes with work submitted for partial credit grading.

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 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 \$10 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

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://javashopl.m.sun.com/ECom/docs/Welcome.jsp?StoreId=22&PartDetailId=jre->