Instructor Information

Instructor Name: Tami Murphy
Instructor Rank: Associate Professor
Instructor Email: tmurphy@southwest.tn.edu
Instructor Website: http://faculty.southwest.tn.edu/tmurphy
Instructor Office: MT 116 Macon Cove
Instructor Phone: 901-333-4436

Course Information

Course Description
Exploration of the real number system: relations and functions, graphing techniques, linear and quadratic systems of equations and inequalities, matrices and determinants, conic sections, polynomial functions and theory of equations, exponential and logarithmic functions, natural number functions.

Student Learning Objectives
Upon completion of this course, the student will demonstrate an understanding of the ability to work with:

- the algebra of polynomial functions and the theory of equations, and to use these techniques to solve problems that are applicable to life and to other disciplines;
- the algebra of exponential and logarithmic functions, and to use these techniques to solve problems applicable to life and to other disciplines;
- the graphs of functions and relations of the following types: (a) polynomial (b) rational (c) exponential and logarithmic (d) conic sections;
- the solving of systems of equations by different methods including matrices and determinants, and to use these techniques to solve problems that are applicable to life and to other disciplines;
- the algebra of matrices, and to use these techniques to solve problems that are applicable to life and to other disciplines;
- the algebra of conic sections, and to use these techniques to solve problems that are applicable to life and to other disciplines;
- the algebra of sequences and series, and to use these techniques to solve problems that are applicable to life and to other disciplines.

**Prerequisites**

MATH 1000 with a grade "C" or higher or equivalent

**Corequisites**

None

**Instructional / Learning Methods**

This is an ONLINE course. Students are required to log into PAWS regularly to find homework assignments, reading material, and to keep up with important quiz and exam dates. Students will be using MyLabsPLUS to do all coursework. MyLabsPLUS is required! The department of Mathematics at Southwest Tennessee Community College requires all ONLINE courses to have monitored exams. There will be two on-campus proctored exams: a midterm exam and a comprehensive final. Times and dates will be given well in advance and must be taken on the specified dates.
Textbooks, Supplementary Materials, Hardware, and Software Requirements

Required Text

MyLabsPLUS student access code is required.

Precalculus Plus MyMathLab with eText -- Title-Specific Access Card Package, 6th Edition

Blitzer

9781323658604

Please make sure you get the course specific access code for this class.

Supplementary Materials

Required - The TI-83+ or TI-84+ graphing calculator

Notebook/folder/organizer to keep assignments in

Hardware Requirements

If this course requires the use of a computer, these are general recommendations for accessing any of the services that Southwest offers on the Web (e.g. My.Southwest, etc.).

- minimum Pentium IV or higher processor (recommended)
- SVGA monitor, minimum resolution 800x600 (1024x768 strongly recommended)
- CD-ROM or DVD drive
- floppy drive, zip drive, or CD-RW drive
- Mouse or compatible pointing device
- at least 512 MB of RAM (recommended)
- (optional) printer

Software Requirements

The software listed below is recommended for any student accessing Southwest services through the internet. Your course may have specific software requirements.
• Windows 7, Vista, XP
• Mac OS X (up to 10.6) (OS 10.6 recommended)
• Linux with a Supported Browser
• Microsoft Edge+
• IE 10 & 11: some issues+
• Firefox (latest)+
• Firefox ESR+
• Chrome (latest)+
• Current Anti-Virus protection
• Reliable Internet connection (broadband recommended but not required)

Many instructors may require assignments to be submitted using Microsoft Excel or Microsoft Word. To learn how to obtain discounted software from Microsoft, visit http://southwest.tn.onthehub.com.

Assessment and Grading

Method of Evaluation
There will be 4 module exams worth 5% each. There will be two on-campus proctored exams: a midterm exam worth 40% and a comprehensive final exam worth 40%. No make-up exams. Note students have 3 attempts for each of the module exams. Students get exactly one attempt for the proctored midterm and final exams.

Module Exams: 4 @ 5% = 20%

Midterm Exam: 40%

Comprehensive Final: 40%

Testing Procedure / Policy
The proctored exams (Midterm and Final) will be closed book, closed notes. Exams must be taken on the exam dates. No make-up exams will be given. Both the Midterm and Final exam will be proctored at Macon Campus. Note the exact time/date/room location will be emailed to you once a reservation confirmation is sent to me.

Major Assignments
Note: Students will have three attempts for each of the (non proctored) module Exams.

Module 1 Exam: 5%
Module 2 Exam: 5%
Module 3 Exam: 5%
Module 4 Exam: 5%

Note Students will have only one attempt for the Midterm and Final Exam.

Proctored Midterm Exam: 40%
Proctored Final Exam: 40%

Guidelines for Communications

Email Guidelines

Each student has been provided a Southwest e-mail account. Please do not email your classmates unless the topic relates specifically to this course. E-mails that contain advertisements, solicitations, personal interests, etc. are strictly forbidden. Below are a few guidelines that you should keep in mind when sending email:

• Always include a subject line.
• Typing in all CAPS is considered SHOUTING in Cyberspace. So please use upper and lower case characters when sending e-mails.
• Remember, without facial expressions some comments may be taken the wrong way. Be careful in wording your e-mails and use good Netiquette.
• Use standard fonts.
• Do not send large attachments without permission.
• Respect the privacy of other class members.

Online instructors will respond to all e-mails within 48 hours.

Discussion Guidelines
Below are a few guidelines that should be adhered to when using the Discussion forum. Messages that contain advertisements, solicitations, personal interests, etc. are strictly forbidden.

- Review the discussion threads thoroughly before entering the discussion.
- Please try to maintain threads by using the "Reply" button rather starting a new topic.
- Do not make insulting or inflammatory statements to other members of the class. Be respectful of others' ideas.
- Be patient and read the comments of other group members thoroughly before entering your remarks.
- Be positive and constructive in group discussions.
- Respond in a thoughtful and timely manner.

**Technical Support**

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**My.Southwest:** Submit a **Student Technical Support Request**. Please provide a full detailed explanation of the problem.

**PAWS:** For course related questions, contact your instructor. For technical issues with the PAWS website, contact the College Helpdesk at (901) 333-4357.

**Student Services**

**Embedded Librarian Service**

This service may be found inside PAWS courses. Two Southwest Librarians are assigned to work with you and your instructor throughout the course for the entire semester. The Librarians will suggest library resources and answer questions sent to "Ask A Librarian".

To contact a Librarian, go to the Classlist and select the "Ask A Librarian" tab.

**Student Services Links**

- [Academic Support Centers / Tutoring](#)
- [Advising and Counseling](#)
Campuses, Centers and Sites

Student Disability Services: Southwest Tennessee Community College is committed to serving all students, including students with disabilities, and adheres to the guidelines set forth in Title II of the Americans with Disabilities Act (ADA).

Additional Links: Student Information & Services

Academic Support

The Academic Support Center (ASC) provides free services and resources to help Southwest students successfully reach their academic and career goals. These services include tutoring by peer and master tutors, computer labs, success workshops, academic coaching, early alerts from your instructors and areas for individual or group study at numerous locations. The ASC also provides Supplemental Instruction in some of our general education classes and the Center is also responsible for Academic Progress Reporting so that you will be aware of your academic standing during the 5th-6th week of the semester. Online tutoring services are offered through Smarthinking 24 hours a day, 7 days a week. Simply login to your PAWS to access this online tutoring resource.

Additional Information

Drop/Withdrawal Dates

See the official college catalog for the current withdrawal policies. Important semester drop and withdrawal dates can be found on the college Web site at http://www.southwest.tn.edu.

Academic Misconduct

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. A student guilty of academic misconduct, either directly or indirectly, through participation or assistance, is immediately responsible to the instructor of the class. The instructor has the authority to assign an “F” grade or a zero for the exercise or examination, or to assign an “F” for the course. College sanctions for academic misconduct may include suspension or dismissal from the College. Please see the section in the current Catalog on Academic Misconduct.

Classroom Behavior: Any student engaged in disruptive conduct or conduct violating the general rules or regulations of the College may be ordered to temporarily leave the classroom. Extended or permanent exclusion from the classroom can be achieved only through appropriate procedures of the College.
Open Labs
Macon Cove

- Academic Support Center: Available during working hours
- Bert Bornblum Library: Available during library hours
- Farris 2131: M-R 8-5:30, F 804:30

Union Avenue

- Academic Support Center - F Building, Room 319, available during working hours
- Parrish Library - Available during library hours
- M105: 8-6:30

Gill

- Computer Lab- Room 101 (Please note - this room is available when classes are not scheduled. Schedule fluctuates each semester.)
- Library - Available during Library hours only.

Maxine Smith

- Open Lab- Room 101.
- Library - Available during Library hours only.

Whitehaven

- Open Lab Building 6, Room 127
- Library - Available during Library hours only.

Syllabus Updates

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes.