

Germanna Community College

Fall 2009
MTH 163-281
FAC 2, Room 140
Precalculus I
Tu, 7:00PM- 9:45PM
Credits: 3

Instructor: Mark Gibson
Phone: (540) 834-1063
Office Location: FAC 2-223 **Days at this location:** MTuW
Office Hours: Monday: 1-2 PM, 5-6 PM
Tuesday: 11 AM-12 PM, 1-2 PM, 3-4 PM, 5-7 PM
Wednesday: 11 AM-12 PM, 1-2 PM
Office Hour Notes: Also by Appointment

Instructor E-mail: mgibson@germanna.edu

GCC E-mail Policy:

Students, faculty, and staff of Germanna Community College must use GCC email for all official college communications. This includes course-related communications between students and faculty. If you need help accessing your student email account please visit the ACC on either campus.

Course Description:

Presents college algebra, matrices, and algebraic, exponential, and logarithmic functions. Prerequisites: a placement recommendation for MTH 163 and Algebra I, Algebra II, and Geometry or equivalent. (Credit will not be awarded for both MTH 163 and MTH 166.) Lecture 3 hours per week.

Textbook and Supplies:

Aufmann, Barker and Nation, College Algebra and Trigonometry, 6th edition, Boston, Massachusetts: Houghton Mifflin Company, 2008 ISBN: 0-618-82515-0

A Graphing Calculator is required for the course. The instructor will demonstrate with a TI-83 Plus.

Objectives:

As a result of the learning experience in this course, the student should be able to:

- A. Solve problems involving equations, inequalities, and systems of equations
- B. Operate on functions (addition, multiplication, composition, and inverses)
- C. Graph linear, quadratic, rational, exponential, and logarithmic functions
- D. Factor polynomials and find zeros of polynomials
- F. Use matrices to solve systems of linear equations
- G. Use a graphing utility as an aid to problem solving

Important Dates:

Aug 20: Classes Begin
Aug 26: Last day to add a class
Sept 7 : Holiday (College Closed)
Sept 3 : Last day to drop with a refund
Oct 22 : Withdrawal date
Oct 1 : Holiday (No classes)
Nov 24-28 : Holiday (No classes)
Dec 14-19 : Final Examinations

Attendance Policy:

Class attendance is an integral part of a sound academic program for most classes at Germanna. However, alternate teaching techniques, which may not require class attendance, may also be a part of a sound academic program. Class attendance requirements are found in the course outline, which the instructor provides to students in each course. Germanna students are expected to be present and on time at all regularly scheduled classes and laboratory meetings. When a faculty member determines that a student has not met the class attendance requirements in the course outline, which will usually conform to the statement at the end of this Standard, the faculty member may submit a Drop/Add Form, showing the last date of attendance by the student, to the Admissions and Records Office. A grade of "W" will be recorded for all withdrawals, whether initiated by the student or by the faculty member through the published "Last day to withdraw without academic penalty." Students withdrawn after the withdrawal deadline will receive a grade of "F" except under mitigating circumstances, which must be documented by the student and approved by the Dean of Instruction. Please see "Withdrawing from a course" under "Registration Information" in the Academic Information section of the Germanna course catalog for additional policy information. For 8 week, short session classes, the below permitted absences are cut in half. For short session courses other than 8 week, please see your instructor for the permitted absences.

The official GCC withdrawal policy follows: Withdrawal from a course without academic penalty may be made within the first 60% of the course. The student will receive a grade of "W" for withdrawal. After that time, the student will receive a grade of "F". Exceptions to this policy may be considered under mitigating circumstances which must be documented and submitted to the appropriate Dean of Instruction for review and consideration. Please see "Important Dates" above for the last day to withdraw.

(For the drop date for Short Session courses, see the link listed in "Important Dates for Short Session Courses" and use that information if applicable.)

If class meeting times during the week are:	Absences permitted are:
1	2
2	4
3	6
4	8

Grading Policy:

•3 Exams	• 100 pts each	300 pts
• Final Exam	• Comprehensive	100 pts
•Quizzes (Best 10 – may be on blackboard/takehome)	• <u>NO</u> makeups • 10 pts each	100 pts
•In Class Group Assignment (Best 10)	• <u>NO</u> makeups • 10 pts each	100 pts
•Case Studies (Best 10)	• 20 pts each	200 pts

Total 800 pts

90%-100%	720-800	A
80%-89%	640-719pts	B
70%-79%	560-639pts	C
60%-69%	480-559pts	D
Below 60%	Below 480pts	F

**Final grades may be curved at the instructor's discretion. The instructor only curves borderline grades (2 percentage points from threshold) up and considers the students' attendances, class participation, and final exam grade when deciding to curve individual grades.

Makeup Exam Policy:

Missed exams cannot be rescheduled without a medical or professional excuse. ***It is the student's responsibility to notify the instructor PRIOR TO THE EXAM TIME if they are going to miss an exam. It is the student's responsibility to arrange to take the exam within five days from the exam date.*** There will be no make-ups for the last exam.

Academic Honesty:

The faculty of Germanna Community College recognizes that academic honesty is an integral factor in developing and sharing knowledge. We support the concept of academic honesty, practice academic honesty in our classes, and require academic honesty from our students. GCC students are expected to maintain complete honesty and integrity in the completion and presentation of all academic assignments and examinations. Any student found guilty of cheating, plagiarism, or other dishonorable acts in academic work is subject to disciplinary action.

Academic dishonesty is cheating and stealing. Academic dishonesty includes, but is not limited to:

- Using material verbatim from a source without giving credit.
- Rewriting material from a source without giving credit.
- Using information from an Internet source without giving credit.
- Submitting the work of another person as your own work.
- Using/copying another student's computer disk.
- Copying from another person's paper/test/homework.
- Allowing someone else to copy/use your work (paper, homework, quiz, test).
- Violating VCCS Computer Ethics Guidelines in the pursuit of academic studies.

Disability Information:

If you are a student with a disability and will need accommodations while enrolled in this course, please contact the Coordinator of Disability Services in the Counseling Center, (540-891-3019 at the Fredericksburg Area Campus or 540-423-9140 at the Locust Grove Campus).

Extra Help:

Please feel free to come to office hours for additional assistance. There is also free tutoring available through Tutoring Services:

Class Cancellations:

If class is cancelled it is the students' responsibility to check blackboard for announcements and assignments.

Tentative Course Schedule:

Dates	Section	Suggested Homework Problems (by Section)
8/25	P3/P4 QZ1(Syllabus) P4 GP 1	P.3 1-10, 11, 17, 23, 27, 31, 33, 35, 41, 43, 49, 63, 67 P.4 3, 7, 9, 11, 13, 19, 25, 29, 31, 37, 39, 45, 47, 51, 55, 59, 63, 69, 71, 77, 85
9/1	P5 GP 2 P5/P6 QZ2(P.3-P.4) 1.1/1.2	P.5 1, 5, 11, 15, 21, 23, 25, 31, 41, 53, 55 P.6 1, 7, 11, 13, 19, 21, 23, 27, 33, 37, 39, 43, 47, 55, 59 1.1 1, 5, 9, 17, 23, 25, 27, 35, 39, 43, 53
9/8	GP3 1.2/1.3QZ3(P.5,P.6, 1.1) 1.4	1.2 1, 7, 15, 17, 19, 23, 33, 41 1.3 1, 7, 11, 15, 19, 21, 25, 29, 33, 37, 39, 47, 51, 53 1.4 1, 5, 9, 13, 19, 27, 33, 41, 45, 53, 57
9/15	GP4 1.5QZ4(1.2-1.4) 1.6/Review	1.5 1, 3, 7, 9, 11, 15, 17, 21, 29, 33, 37, 43 1.6 1, 3, 5, 9, 13, 17, 21 Handout
9/22	Exam I 2.1GP5 2.2	2.1 1, 5, 9, 19, 21, 25, 29, 31, 39, 49, 51, 53, 57, 61, 65, 67, 73 2.2 1, 5, 6, 9, 11, 13, 15, 17, 19, 21, 22, 27, 31, 33, 39, 41, 55, 69, 93
10/6	2.3QZ5(2.1, 2.2) 2.4GP6 2.5	2.3 1, 5, 11, 15, 17, 19, 23, 27, 33, 35, 39, 49, 55, 65, 69, 73, 77,81,87 2.4 1-8, 9, 13, 19, 23, 35, 37, 41, 45, 57, 67, 2.5 1, 7, 9, 13, 15, 19, 23, 27, 43, 45, 47, 55, 57, 63, 65, 69, 73,
10/13	QZ6(2.3-2.5) 2.6GP7 3.1 3.2	2.6 1, 3, 9, 13, 17, 21, 25, 29, 31, 37, 39, 43, 49, 53 3.1 1, 3, 5, 13, 15, 21, 27, 29, 37,39, 43, 47, 49, 57, 59 3.2 1, 3, 5, 11, 13, 17, 19, 23, 25, 33, 35, 37, 41, 43,47
10/20	3.3QZ7(2.6, 3.1, 3.2) 3.4GP8	3.3 1, 3, 5, 7, 9, 13, 17, 21, 27, 33, 39, 41, 43, 47, 49, 55, 57, 59 3.4 1, 3, 5, 11, 17, 19, 29, 33, 37, 39, 41, 47
10/27	3.5QZ8(3.3-3.4) GP9 Review	3.5 1, 3, 9, 11, 15, 17, 21, 25, 31, 37, 43, 45, 49, 53, 57, 59 Handout
11/3	Exam II 4.1GP10 4.2	4.1 1, 5, 7, 9, 13, 17, 21, 27, 31, 33, 37, 39, 45 4.2 1, 3, 5, 7, 9, 11, 15, 23, 25, 27, 29, 31, 33, 35, 37, 39, 43, 47, 49
11/10	QZ9(4.1, 4.2) 4.3GP11 4.4/4.5	4.3 1-31, odd, 35, 39, 43, 47, 51, 55, 57, 65, 69, 73,75 4.4 1-11 odd, 17, 19, 21, 23, 27, 33, 37, 53, 55, 63 4.5 1, 3, 5, 9, 11, 15, 21, 23, 27, 29
11/17	QZ10 (4.3-4.5)	No Class. See Blackboard for quiz and other instruction.
11/24		Thanksgiving Break
12/1	QZ11(4.3,4.4,4.5) 10.2/10.3GP12 10.3/Review	10.2 1, 3, 9, 13, 17, 19, 33, 35 10.3 1, 3, 11, 15, 19 Handout
12/8	Exam III Review for Final Exam	
12/15	Final Exam	