

SYLLABUS

MTH 128S 001- Pre-Calculus

Edison State Community College

Professor: Terry Calvert
E-mail: tcalvert@edisonohio.edu
Office: Room 214
Office Hours: MW 11 – 12:30
Phone: 937 – 351 - 1539
Class Meeting Time: MW 9 – 11:00
Location: Room 426
Section/Term: MTH 128 001 2026FS
Textbook: OpenStax: Pre-Calculus 2e and XYZ All Access Online Homework Pass
Faculty Contact: If you have questions or concerns, please contact me via email with the course name and number in the subject line (MTH 128 001FS) through your Edison State email. You are welcome to set up an appointment to meet virtually via Teams or Zoom or stop by my office.

TENTATIVE WEEKLY SCHEDULE

Day	Assignments	Due Date at 9 AM
Mon 24 Aug	1.1 Functions and Function Notation 1.2 Domain and Range	26 Aug
Wed 26 Aug	1.3 Rates of Change and Behavior of Graphs 1.4 Composition of Functions	31 Aug
Mon 31 Aug	1.5 Transformation of Functions 1.6 Absolute Value Functions	2 Sept
Wed 2 Sept	1.7 Inverse Functions 2.1 Linear Functions	9 Sept
Mon 7 Sept	No Class – Labor Day	
Wed 9 Sept	2.2 Graphs of Linear Functions 2.3 Modeling with Linear Functions	14 Sept
Mon 14 Sept	3.1 Complex Numbers 3.2 Quadratic Functions	16 Sept
Wed 16 Sept	3.3 Power Functions and Polynomial Functions	21 Sept
Mon 21 Sept	Exam 1	
Wed 23 Sept	3.4 Graphs of Polynomial Functions 3.5 Dividing Polynomials	28 Sept
Mon 28 Sept	3.6 Zeros of Polynomial Functions	30 Sept
Wed 30 Sept	3.7 Rational Functions	5 Oct
Mon 5 Oct	3.8 Inverses and Radical Functions 4.1 Exponential Functions	7 Oct
Wed 7 Oct	4.2 Graphs of Exponential Functions 4.3 Logarithmic Functions	12 Oct
Mon 12 Oct	4.4 Graphs of Logarithmic Functions 4.5 Logarithmic Properties	14 Oct
Wed	4.6 Exponential and Logarithmic Equations	19 Oct

Day	Assignments	Due Date at 9 AM
14 Oct		
Mon 19 Oct	4.7 Exponential and Logarithmic Models	21 Oct
Wed 21 Oct	Exam 2	
Mon 26 Oct	5.1 Angles (lot in this section)	28 Oct
Wed 28 Oct	5.2 Unit Circle: Sine and Cosine Functions 5.3 The Other Trigonometric Functions	2 Nov
Mon 2 Nov	5.4 Right Triangle Trigonometry 6.1 Graphs of the Sine and Cosine Functions	4 Nov
Wed 4 Nov	6.2 Graphs of the Other Trigonometric Functions 6.3 Inverse Trigonometric Functions	9 Nov
Mon 9 Nov	Exam 3	
Wed 11 Nov	No Class – Veteran’s Day	
Mon 16 Nov	7.1 Solving Trigonometric Equations with Identities 7.2 Sum and Difference Identities	18 Nov
Wed 18 Nov	7.3 Double-Angle, Half-Angle, and Reduction Formulas 7.5 Solving Trigonometric Equations	23 Nov
Mon 23 Nov	8.1 Non-Right Triangles: Law of Sines 8.2 Non-Right Triangles: Law of Cosines	25 Nov
Wed 25 Nov	8.8 Vectors	30 Nov
Mon 30 Nov	Test 4	
Wed 2 Dec	Final Exam Review	
Mon 7 Dec	Final Exam	

Calculators: A TI-30X is recommended.

Grading Scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, Below 60 F

Grade Allocation: Your grade = $0.25(\text{homework}) + \sum_{i=1}^4 0.15 * (\text{exam } i) + 0.15 * (\text{final exam})$
This means..... HW – 25% Exams – 60% Final Exam – 15%

HOMEWORK: Homework will be completed using XYZ online homework system. There is a link with instructions to show you how to set up your account followed by the link to set it up. They will be due on the date posted at the beginning class time. These assignments may not be submitted after the due date. **DUE DATES WILL NOT BE EXTENDED!** Five low HW scores will be dropped at the end of the semester. Simply completing the XYZ assignments will not be enough to grasp the content of this class. You must be willing to spend 10-15 hours per week doing HW and practice problems if you want to be successful.

PRACTICE PROBLEMS: In addition to the XYZ online homework you should do problems from the book. The worked out solutions to all of the problems from the book are posted in Bb. The more problems you do the better you will understand. You can expect to spend 10-15 hours per week outside of class doing HW and practice problems. If you do not have this much time to spend on this one class you should consider dropping it and taking it when you have more time.

TEXTBOOK: You may purchase a loose leaf textbook from e-campus. There is an e-book available for free when you purchase XYZ. It is essential that you use your textbook throughout the semester so be sure you have it in a format that works for you.

Class Attendance: Class attendance is essential to success in this class. A student who misses class is expected to study the content missed and ask questions as needed.

Make-up Exam Policy: All exams are listed on the syllabus and all students are expected to take the exams on the scheduled day and within the allotted class time. **There will be NO re-tests, make-up exams or extra credit.**

Final Exam: The final exam is cumulative and must be taken. If you fail to take the final exam, you will receive a failing grade for the course. There is no extra credit offered in this course.

Questions: If you are working on homework and have a question the quickest way to get it answered is to email a screenshot to me. I typically answer quickly. We can also set up a meeting on Teams if you have questions on the weekends. Tutoring is available in person and online through the Edison Tutoring Center as well as e-tutoring online through the state. All tutoring is free.

Writing Policy: The process of expressing your ideas through writing, results in a deeper understanding and a more thorough learning experience. Writing assignments will, therefore, be used for the solidification and evaluation of learning. The exams, quizzes, homework, and class activities will require that you respond in writing to present a solution, derivation, or proof. All such work whether it uses standard or symbolic writing must be presented in a clear and logical form, and be reasonably free of spelling, grammar, and punctuation errors. All solutions to problems must be supported by appropriate steps to receive credit.

Communication: Students are encouraged to ask questions in class and are urged to seek help from the instructor during office hours. Additionally, the Learning Center in the library has multiple tutors available for extended hours to assist students with all topics in this course. The Learning Center is located in Edison's Piqua Campus Library. It is a free tutoring service that Edison State Community College provides for students. Check the Learning Center's website for hours of operation and tutor schedules, as these change semester to semester.

Academic Integrity: By participating in this course, you agree that you will refrain from ANY academic dishonesty or deception, such as cheating, copying or plagiarism. Penalties will ensue as deemed appropriate by your instructor as these actions will NOT be tolerated. Incidents may result in loss of credit for work, removal from the course, or a failing grade for the course. Additionally, students are expected to be familiar with and to uphold ALL student rights and responsibilities as outlined in the student handbook (www.edisonohio.edu/handbook).

Classroom Courtesy: Conduct yourself in a manner that is conducive to learning. If you behave inappropriately, you will be removed from the course. All cell phones are to be silenced and out of sight during class time. In the case of critical phone calls that are expected during class time, the student is expected to notify the instructor prior to the start of class. Students who are consistently late cause disruptions and will be removed from the class.

The instructor may alter any part of this syllabus at any time

TESTING YOUR FAITH ACT POLICY

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on Act Accommodations Form, <https://www.edisonohio.edu/services-support> their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith [/registration-records](#), located in "Forms" and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <https://www.edisonohio.edu/services-support/student-resources>.

Professor Qualifications

- BS – Aerospace Engineering – University of Cincinnati - 1983
- Air Command and Staff College – US Navy - 2005
- MS – Mathematics and Mathematics Education – University of Dayton - 2010