

MTH 162 Precalculus II Syllabus

Spring 2022

INSTRUCTOR INFORMATION

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Textbooks: College Algebra, 3/e Corrected Edition July 2013 Stitz and Zeager.

Book available free: <http://stitz-zeager.com/>

Trigonometry by Pablo Chalmeta

(available for free here: http://www.nr.edu/chalmeta/trigonometry/Trigonometry_book.pdf)

Software: MyOpenMath Online Homework: <https://www.myopenmath.com/>

Course ID: 136414

Enrollment key: mth162

GRADING/EVALUATION

Description	Percentage
Tests (3)	60%
Introductory Quiz	2%
Homework	18%
Final Exam	20%
Total:	100%

Last Date to Complete Test	
Test 1	February 14
Test 2	March 30
Test 3	May 4
Final	May 9

Introductory Quiz: You must take the introductory quiz in Canvas by the end of the first week or you will be withdrawn for non-participation in the course.

Tests.

1. There will be three (3) tests administered through the [MyOpenMath](#) homework software.
2. **You must take the tests in a proctored environment such as our testing centers.**
3. You will have 90 minutes to complete the test.
4. You may use a calculator but you **MAY NOT** use any of the symbolic abilities your calculator may have. This includes but is not limited to graphing and solving of equations of any type.
5. There will be no make-up tests. Any missed test will receive the score of "0". See Final Exam below.
6. Tests may be taken early.
7. *The average on all tests will count as 60% of the course grade*

Final Exam. There will be one comprehensive final due by the last day of class. **The final exam must be taken in a proctored environment such as our testing centers.** The score on the final will replace the lowest test score (including any missed test) if that will improve your final average. *The final will count as at least 20% of the course grade.*

HOMEWORK:

Giving your best effort on homework is the single best thing you can do to help your mathematics. As such, the homework will be submitted through the MyOpenMath software and will count for a significant portion of the grade. (18%) The homework is due the day before the test with the same material. [Academic Assistance](#) also has qualified tutors who can work with you on a regular basis.

CALCULATOR:

A scientific calculator is recommended. If you own a calculator do not buy a new one. If you do not own a calculator don't spend a lot of money on one. I recommend the TI-30X IIS calculator.

EMAIL POLICY

If you send me an e-mail always use your NRCC issued email address. Be sure that your email client includes your name in the header. You should always include a descriptive subject line that includes the course number. Please remember to use complete sentences and follow the rules of grammar. The [Purdue OWL website \(click\)](#) has excellent information about creating a professional email. I communicate through email to your NRCC issued address. I WILL NOT be replying to email that does not conform to these requirements. I do reply to email within 24 hours during the week. Weekends may be longer.

Student Registration:

1. Enter <https://www.myopenmath.com/> in your Web Browser.

2a. If you already have an account, you can log on and go to “enroll in a new class”.

This screenshot shows the top navigation bar of the MyOpenMath website. On the left, under the heading "Courses you're taking", there is a button labeled "Enroll in a New Class" which is circled in red. To the right, there are two sections: "New messages" with the text "No new messages" and "New forum posts" with the text "No new posts".

2b. If you are a new student to the system, register as a new student

This screenshot shows the MyOpenMath homepage. At the top is a purple navigation bar with links: "Welcome", "Student Self Study", "For Instructors", and "About Us". Below this is a "Welcome" banner. The main content area is divided into sections for "Students" and "Instructors". On the right side, there is a "Login" box containing fields for "Username:" and "Password:", a "Login" button, and a link "Register as a new student" which is circled in red. Below the "Login" box, there are links for "Forgot Password" and "Forgot Username". A red arrow points from the text "Login if you have an account" to the "Login" box. Another red arrow points from the text "Register here if you need an account." to the "Register as a new student" link. At the bottom, there is a footer with copyright information: "MyOpenMath is powered by iMathAS © 2006-2019 David Lippman with financial support from Lumen Learning and XYZ Homework Privacy Policy | Accessibility".

3. Enter the course information. Enter your **Course ID** and **Enrollment Key** exactly as provided by your instructor (See Page 1) and click “**Submit**”. *Your course information should appear. If not, contact your instructor to verify the correct Course ID.*

Enroll in a Course

Select the course you'd like to enroll in

This form is used to enroll in a course. It starts with a dropdown menu labeled "My teacher gave me a course ID (enter below)". Below this are two input fields: "Course ID:" and "Enrollment Key:". At the bottom right of the form is a button labeled "Sign Up".

4. Verify that you are in the right class by returning the main page.

College Algebra V. 3 Stitz & Zeager			
Week	7	Hooked on Conics	
1	7.1	Introduction to Conics	None
2	7.2	Circles	p. 502 #1, 3, 7, 11, 13, 15
	7.3	Parabolas	p. 512 # 1-17 odd
3	7.4	Ellipses	p. 525 #1-19 odd
	7.5	Hyperbolas	p. 541 #1 - 4, 9,10, 13-23 odd
4		Test 1 Chapter 7 Conic Sections	
Trigonometry Chalmers			
5	1	Trigonometric Functions	
	1.1	Angles and Their Measure	p. 9 #1 - 15 odd, 21, 24, 27, 30, 33, 37, 41, 43, 45, 51, 53
	1.2	Right Triangle Trigonometry	p. 20 # 1-11 odd, 17-25 odd, 26
	1.3	Trigonometric Functions of Any Angle	p. 30 # 1 - 23 odd, 25, 30, 35, 41, 43, 45
6	1.4	The Unit Circle	p. 37 #1 - 8, 9, 11, 14, 16, 19
	1.5	Applications and Models	p. 43 #1, 3, 5, 7, 13-21 odd, 22
7	2	Graphs and Inverse Functions	
	2.1	Graphs of Sine and Cosine	p. 56 #1-9 odd, 13-19 odd, 22
	2.2	Graphs of $\tan(x)$, $\cot(x)$, $\csc(x)$ and $\sec(x)$	p. 64 # 1, 2, 3
8	2.3	Inverse Trigonometric Functions	p. 73 #1-19, 29, 30
	2.4	Solving Trigonometric Equations	p.80 #1-15 odd, 19-25 odd, 29
9		Test 2 Trigonometry Chapters 1 and 2	
10	3	Trigonometric Identities	
	3.1	Fundamental Identities	p. 87 #1-17 odd
	3.2	Proving Identities	p. 92 #1-13 odd, 21, 23, 29, 31
11	3.3	Sum and Difference Formulas	p. 100 #1, 3, 6, 8, 9, 13, 17, 19, 23, 27, 31-39 odd
	3.4	Multiple-Angle Formulas	p. 107 #1, 3, 5, 11, 13, 17, 19, 23, 25, 31
	Chapter 4	General Triangles	
12	4.1	Law of Sines	
	4.2	Law of Cosines	
13	5	Additional Topics	
	5.1	Polar Coordinates	p. 137 # 1-31 odd
14	5.2	Vectors	
		Test 3 Trigonometry Chapters 3, 4, and 5	
		Final Exam	