

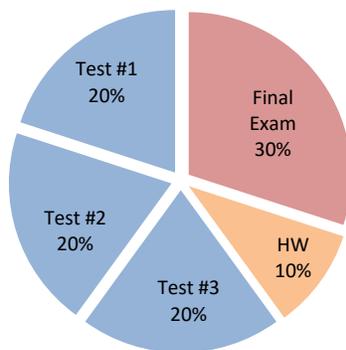
Math 160 Syllabus

Fall 2018

CLASS INFO	PROFESSOR INFO
Precalculus TTh 10:45am-12:50pm Section 2 (CRN 22227) Classroom: 61-3418 http://davidsmath.com/math160/	Name: David Beydler Office Hours: M 12-2pm, T 1-2pm, Th 1-2pm Office: 61-1608 (Building 61, Room 1608) Phone: 909-274-4669 E-mail: dbeydler@mtsac.edu

GRADING INFO

Homework:	10%
Test #1:	20%
Test #2:	20%
Test #3:	20%
Final Exam:	30%



You'll get an A, B, C, D, or F based on these overall percentages:

90-100%:	A
80-89%:	B
70-79%:	C
60-69%:	D
0-59%:	F

Homework: Homework will be collected weekly (see class website for assignments). You must show work to get credit. You can turn in up to 3 homework assignments late.

Tests: We'll have 3 closed book/notes tests on Sept 27 (Thurs), Oct 25 (Thurs), and Nov 29 (Thurs). No make-up tests will be given. I'll replace your lowest test percentage with your final exam percentage (if your final exam percentage is higher).

Final Exam: The closed book/notes final exam will be cumulative and will be on Thursday, December 13, 7:30am-10:00am. No make-up final will be allowed.

1. Scavenger Hunt: If you complete the Scavenger Hunt handout at the beginning of the semester, you'll get an extra 1% towards your first test. The due date is Sept 13 (Thurs).
2. Tutoring: If you spend 8 hours at a tutoring center on campus, you'll get an extra 1% towards the next upcoming test (including the final exam). The main free math tutoring centers on campus are:
 - TMARC (Transfer Math Activities Resource Center) – Building 61, 1st floor – <http://www.mtsac.edu/marc>
 - LAC (Learning Assistance Center) – Building 6, 1st floor – <http://www.mtsac.edu/lac/tutorialservices.html>
3. Review Exercises: Before each test and the final exam, I'll give you a set of review problems to work on. They'll be due at each test, and depending on completeness and neatness can be worth up to 2% extra credit towards that test (including the final exam).

GENERAL POLICIES

Calculators: You'll need a *scientific* calculator for certain parts of the homework, tests, and final exam. You will not be allowed to use any other electronic devices, such as cell phones, graphing calculators, computers, smart watches, etc. If you're not sure, check with me ahead of time whether your calculator is acceptable or not. You will not be allowed to share a calculator during tests and the final exam.

Classroom: My goal is to keep the classroom environment focused on learning math—after all, that's what you signed up for! So, the basic rules are:

- Don't disrupt others during class.
- Respect everyone in the room.
- Eat before or after class, or during breaks.
- Turn cell phones off/silent and put them away.
- Show up on time.
- Stay positive and work hard. You can do this!!

MISCELLANEOUS

Textbook: *Precalculus* (10th Edition), Sullivan.

Prerequisites: MATH 150 or qualifying score on current department placement test

Description: Prepares students for the calculus sequence. Real-valued functions, including algebraic, trigonometric, exponential, and logarithmic functions. Also includes proofs, inequalities, introductory analytical geometry, series, sequences, and vectors.

Objectives:

1. Graph functions using translations and reflections.
2. Determine the domain of a function.
3. Operate with functions.
4. Find the inverse of a function.
5. Use linear and quadratic functions to solve application problems.
6. Solve for the complex roots of polynomial functions.
7. Analyze polynomial, rational, exponential, logarithmic, and trigonometric equations.
8. Solve polynomial, rational, exponential, logarithmic, and trigonometric equations.
9. Operate with vectors, including the dot product; use vectors to solve application problems.
10. Find the partial fraction decomposition of a rational expression.
11. Graph conic sections; recognize or derive their properties, and write their equations.
12. Solve and graph systems of nonlinear equations.
13. Analyze arithmetic and geometric sequences.
14. Use the binomial theorem.

Student Learning Outcomes:

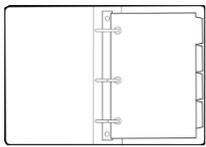
1. Students will be able to analyze a variety of functions.
2. Students will be able to solve different types of trigonometric equations.

Accommodations: Students requesting accessibility accommodations should be sure to contact the Accessibility Resource Centers for Students (<http://mtsac.edu/access>). Also, please feel free to stop by my office so we can discuss your particular learning needs.

Academic Honesty: Don't cheat. It's wrong and it's not worth it. I will follow the policy as outlined in the school catalog (see <http://www.mtsac.edu/catalog/>), and will report any student misconduct to the Office of Student Life. Also, you'll receive a zero score on the assignment/exam.

STUFF TO GET

1. 3-ring binder (at least *1-inch*, or better *1.5-inch*)
2. Scientific calculator
3. Pencils and erasers



FAQ

Q: Do you offer make-up exams?

A: No. However, if you miss a test for any reason, I'll replace the test with the final exam percentage.

Q: Will I need Scantrons?

A: Nope.

Q: Will the final exam cover everything?

A: Yep.

Q: How do you pronounce your last name?

A: The "Bey" is pronounced like "Bye!" But don't worry about this!

Note: Any of the information in this syllabus could change anytime. I'll try to e-mail important announcements and post them on the website, but ultimately you are responsible for announcements made in class. So, I'd recommend getting the phone number and/or e-mail address of a classmate or two.

CLASSMATE CONTACT INFO

Name: _____

Name: _____

Phone: _____

Phone: _____

E-mail: _____

E-mail: _____