

Math 150 Syllabus

Spring 2017

CLASS INFO

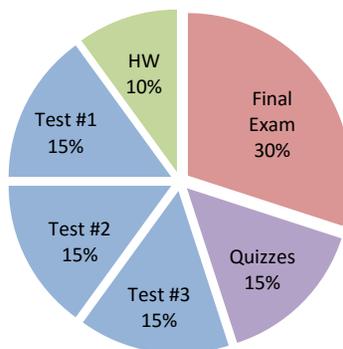
Trigonometry
TTh 10:15-11:40am
Section 3 (CRN 41422)
Classroom: 61-3419
<http://davidsmath.com/math150/>

PROFESSOR INFO

Name: David Beydler
Office Hours: M 2-4pm, TTh 9:30-10am, T 2:30-3:30pm
Office: 61-1608 (Building 61, Room 1608)
Phone: 909-274-4669
E-mail: dbeydler@mtsac.edu

GRADING INFO

Homework:	10%
Quizzes:	15%
Test #1:	15%
Test #2:	15%
Test #3:	15%
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 2 homework assignments one week late. Also, your lowest homework assignment will be dropped.

Quizzes: There will be some quizzes, usually at the end of class. See the Tentative Schedule for quiz dates. No make-up quizzes will be given. Your lowest quiz score will be dropped.

Tests: We'll have 3 tests on Mar 23 (Thurs), Apr 20 (Thurs), and May 18 (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 final exam will be cumulative and will be on Thursday, June 15, 7:30am-10:00am. No make-up final will be allowed.

Extra Credit:

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 Mar 16 (Thurs).
2. Tutoring: If you spend 8 hours at the TMARC (Transfer Math Activities Resource Center) or other tutoring center on campus, you'll get an extra 1% towards the next upcoming test (including the final exam).
3. Review Problems: 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 3% extra credit towards that test (including the final exam).

GENERAL POLICIES

Calculators: You'll need a *scientific* calculator for certain parts of the homework, quizzes, tests, and final exam. You will not be allowed to use any other electronic devices, such as cell phones, graphing calculators, computers, 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 quizzes, tests, and the final exam.

Also, no books or notes will be allowed during the quizzes, tests, and 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, and respect your fellow classmates and teacher (me!). Please eat before or after class, or during breaks. Turn cell phones off/silent.

I will post handouts and quiz/test solutions on the class website (see Class Info).

MISCELLANEOUS

Textbook: *Trigonometry* (11th Edition), Lial, Hornsby, Schneider, & Daniels.

Prerequisites: MATH 71 or MATH 71B or qualifying score on current department placement test AND MATH 61 or passing score on current geometry competency test.

Description: Trigonometric functions and inverse trigonometric functions and the graphical representations of these functions; solutions to right and oblique triangles with laws of sines and cosines; vectors; solutions to trigonometric equations; identities; polar coordinates; complex numbers and DeMoivre's Theorem.

Objectives:

1. Evaluate trigonometric functions of angles measured in degrees and radians.
2. Solve right and oblique triangles.
3. Apply inverse trigonometric functions.
4. Graph trigonometric and inverse trigonometric functions.
5. Solve trigonometric equations.
6. Prove and use trigonometric identities.
7. Apply DeMoivre's Theorem to powers and roots of complex numbers.
8. Apply the principles of trigonometry to problem solving.
9. Solve problems using vectors and vector operations.

Student Learning Outcomes:

1. Without the use of a calculator, students will be able to graph the six trigonometric functions in a precise manner, stating the period, amplitude, phase shift, and translation as appropriate.
2. The student will be able to accurately solve trigonometric equations over a given interval, including equations that use multiple angles, identities, and quadratic forms.

Accommodations: Students with disabilities should be sure to contact the DSP&S Office. 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.

TUTORIAL SERVICES

Free tutorial services are available in the TMARC (Building 61, first floor). For details, check out:

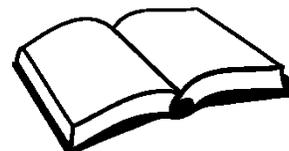
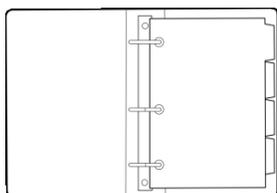
<http://www.mtsac.edu/marc>

Free tutorial services are also available at the LAC (Learning Assistance Center) in the library (Building 6). For details, see:

<http://www.mtsac.edu/instruction/learning/lac/services.html#tutorial>

STUFF TO GET

1. 3-ring binder (*1.5-inches* is best if you keep everything in it—trust me)
2. Scientific calculator
3. Pencils and erasers
4. Textbook



FAQ

Q: Do you offer make-up quizzes/exams?

A: No. However, your lowest quiz will be dropped. Also, 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: _____
