

Syllabus: Math 42 (Section 1), Winter 2016

Instructor: Dr. Bill Wilson

Office Hours: 9:30-10:30 Tuesday,

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Required Materials: Precalculus with Limits (3rd edition) by Ron Larson
Graphing calculator

Student Learning Outcome Statements (SLO) :

Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

Course Objectives

- A. Define and evaluate trigonometric functions using both degree and radian measure
- B. Solve oblique and right triangles
- C. Solve arc length and sector area problems
- D. Graph and analyze the six trigonometric functions
- E. Apply trigonometric identities to simplify and evaluate trigonometric expressions and verify other identities
- F. Analyze the inverse trigonometric functions
- G. Solve trigonometric equations
- H. Define the polar coordinate system and introduce polar graphs
- I. Examine complex numbers in the complex plane
- J. Perform operations with 2D vectors
- K. Examine the logic of conditional and bi-conditional statements as they appear in mathematical statements

Homework: Homework will be assigned most classes.

Exams: Three exams will be given plus the final exam. There will be no makeups. If an exam is missed because of a valid excuse, an equivalent of the final exam score will be used as the score for the missed exam.

Quizzes: Regular quizzes will be given. You may correct and resubmit two quizzes for a higher score.

Final Exam: A comprehensive final exam will be given on 3/23/15 7-9 a.m.

Accommodations: Students requiring accommodations are welcome in this class. Please notify me immediately if you have special learning requirements. We need to

make arrangements with DSS as soon as possible. Go to <https://www.deanza.edu/dss/> for more information.

Grading: 3 midterms @ 15% = 45%
homework and class work: 10%
quizzes: 15%
final exam: 30%

Scale: A+: 97+ A: 93+ A-: 90+
B+: 87+ B: 83+ B-: 80+
C+: 77+ C: 70+
D: 60+
F: < 60

ESL: If English is a second language, a print English translation dictionary is allowed for exams/quizzes

Important Dates:

- Saturday, Jan. 16 : Last day to add quarter-length classes. Add date is enforced.
- Sunday, Jan. 17 : Last day to drop for a full refund or credit (quarter-length classes). Drop date is enforced.
- Monday, Jan. 18 : Last day to drop a class with no record of grade. Drop date is enforced.
- Friday, Jan. 29 : Last day to request pass/no pass grade. Request date is enforced.
- Friday, Feb. 26 : Last day to drop with a "W." Withdraw date is enforced.
- Monday, Jan. 18 : Holiday: Observance of Martin Luther King's Birthday
- Friday, Feb. 12 : Holiday: Observance of Abraham Lincoln's Birthday
- Saturday-Sunday, Feb. 13-14 : Holiday: Presidents' Day Weekend (no classes)
- Monday, Feb. 15 : Holiday: Observance of George Washington's Birthday

Expectations of Students:

1. **Academic dishonesty will not be tolerated.** If a student is found cheating on an exam or quiz, he or she will receive a 0 for the item. Repeated instances of cheating may lead to failing the course and further action.
2. **Showing your work.** You need to show your work on homework and exams to receive full credit.
3. **Respect you fellow students.** Silence cell phones and tablets in class.