

- Disclaimer:** All information in this syllabus is subject to change if the instructor finds it necessary. Changes will be announced during a class session and those who are absent will be held responsible for any announced changes to the syllabus. It is always the student's responsibility to determine what they missed when absent.
- Course Hours:** TTh 6:00pm – 8:20pm @ FLC – Room FL1-207
- Prerequisite:** Minimum "C" in Math 120 or placement by FLC/EDC assessment. You must provide me with proof that you have met the prerequisite by **Friday, Jan 30**.
- Text:** *Trigonometry*, Eighth Edition, by Lial, Hornsby, & Schneider.
- Instructor:** Professor Tim Curran homepage: <http://wserver.flc.losrios.edu/~currant/>
email: currant@flc.losrios.edu Phone and voice mail: (530) 642-5673
- Office Hours:** Monday and Wednesday from 9:00pm to 10:00pm in EDC – Room 251
Tuesday and Thursday from 8:30pm to 9:30pm in FLC – Room FL1-207
Friday from 8:30am to 9:30am in EDC – Room 251
- *** If I'm not there when you visit during office hours, please leave me a note.
- The Course:** This is a five-unit course. Credit for this course is degree applicable and possibly transferable. This course will introduce you to trigonometric functions, their graphs, inverses, and applications. In addition, some algebra topics appropriate to the course, such as the exponential and logarithmic functions, will be explored. You should expect to spend a minimum of ten hours per week on this subject outside of this class in order to be successful in learning the material. Memorization of important relationships and identities will be necessary at various places throughout the course. Use of scientific calculators with trig functions (sin, cos, and tan keys) will also be required.
- The Goals:**
1. To prepare students to successfully continue in the further study of mathematics, science, medicine, business, computers, engineering, architecture, or other fields that require trigonometry and college algebra.
 2. To help students develop a command of the fundamental concepts of trigonometry and college algebra and gain confidence in the ability to apply their understanding to real world problems.
 3. To help students develop a host of "softer" skills, including but not limited to: Self-discipline, perseverance, work ethic, appreciation for precision, analytical reasoning abilities, problem solving strategies, and teamwork techniques through cooperative efforts and group work or group study.
- Grading:** **A:** 90+ % **B:** 80-89.9 % **C:** 70-79.9 % **D:** 60-69.9 % **F:** below 60 %

Assessment

Mini-Quizzes (MQ)	120	Twenty-two at 6 pts each (your two worst get dropped).
Participation	80	Graded on a “curve” at the end of the semester.
Homework (HW)	80	Twenty-two at 4 pts each (your two worst get dropped).
Tests/Midterm	620	Midterm at 120 and 5 tests at 100 pts each.
Final Exam	200	6:00-8:00pm in FLC-FL1-207 on Thursday, May 14.

Mini-Quizzes (MQs)

MQs are 6-point assessments designed as a means to provide immediate feedback on what was learned and/or retained during the previous session. Unless stated otherwise, each will be closed notes, closed book, and contain about 2 to 6 problems for credit. MQs cannot be made up as your worst two will be dropped.

Attendance

You are expected to arrive to class on time and stay until dismissed. Unless special circumstances arise, for which I receive appropriate documentation, you should not be absent from class more than twice. While in class, you are expected to behave in a manner consistent with being at an institution of higher learning, adhering to that which is outlined in the section of the FLC Catalog titled “Student Rights and Responsibilities.”

Homework (HW)

HW is a 4-point assessment: 2 points will be for completeness and 2 points will be at the discretion of your instructor, usually for correctness and/or presentation (see HW policy). HW assigned during a particular session is always due at the start of the next session. Please do not try to complete any HW assignment during class. HW due on a day you are absent must be turned in upon return. A penalty *will not* be assessed. You are responsible for turning in HW when it is due even if it is officially lectured on and assigned on a day you are absent. Email or phone your instructor if you are struggling with trying to learn the material on your own. Late HW will not be accepted as your worst two will be dropped. You will earn a score of 0 on any HW in which the instructor determines any part whatsoever looks too much like someone else’s (i.e. do your own work!).

Tests

You must take each test during the time allotted for that test. However, you have the privilege of making up a missed test *after* the session at which it is administered. The penalty applied to the first make-up test will be 10%, and then it will increase by 10% for each make-up test thereafter. The 200-point final exam is comprehensive and it will cover what we cover in chapters 1-9.

Math 335 Student Learning Outcomes *Upon completion of this course, the student will be able to:*

- interpret trigonometric functions in working with right triangles, general triangles, general angles, and arcs of the unit circle.
- evaluate, expand, and simplify algebraic, logarithmic, exponential, and trigonometric expressions and solve equations (and prove identities) involving these expressions.
- graph and analyze trigonometric, polynomial, rational, absolute value, exponential, and logarithmic functions, as well as conic sections, including algebraic transformations.
- solve application problems (from calculus or science) involving trigonometric, polynomial, rational, exponential, and logarithmic functions.