

MAC 1114: College Trigonometry
T,TH4:30-5:45 pm
MAP 108

Instructor: Dr. Cynthia Y. Young

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Office Hours: M: 1:00-2:00pm

T/TH: 3:30-4:30pm

Core Topics:

- Six Trigonometric Functions
- Graphs of Trigonometric Functions
- Trigonometric Identities
- Applications of Trigonometry
- Complex Numbers and DeMoivre's Theorem

Text: *Analytic Trigonometry with Applications*
8th Edition by Barnett, Ziegler, and Byleen.

Calculators: Only nonprogrammable, nongraphing, nonalphanumeric calculators allowed on tests.

Homework: Homework will be assigned daily but not collected.

Grades: There will be four in class tests and a final exam. The three highest test scores will count for 75% of the grade and the final exam is 25%.

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|-----|--------|-----|-------|-----------|
| A: | 93-100 | A-: | 90-92 | |
| B+: | 87-89 | B: | 83-86 | B-: 80-82 |
| C+: | 77-79 | C: | 70-76 | |
| F: | 0-69 | | | |

NC: > 50%, take all tests and exams, and have regular attendance.

No make-up Tests will be given unless on official UCF travel. All students representing UCF during a scheduled test or exam should make arrangements to take the test/exam **prior** to the actual test date.

Always bring your textbook to class

| <u>Dates</u> | <u>Sections/Notes</u> | <u>Homework</u> : Only work odd problems |
|---------------|--|--|
| Jan 10 | 1.1 & 1.2 | 1.1 # 1-11, 15-33, 39-49, 51-53, 63 1.2 #1-27 |
| Jan 12 | 1.3 | 1.3 #1-45 |
| Jan 17 | 1.4 | 1.4 #1, 3, 7-21, 31, 33 |
| Jan 19 | 2.1 & 2.2 | 2.1 #3-23, 31-37, 41-57, 59-69 2.2 #1-25 |
| Jan 24 | 2.3 | 2.3 #1-51, 53-71, 75-83, 87, 89 |
| Jan 26 | 2.5 & 2.6 | 2.5 #1-41, 57, 59 2.6 #9-23, 37-47, 53-61, 67-73 |
| Jan 31 | Review | |
| Feb 2 | Test 1 | |
| Feb 7 | Go over Test 1 | |
| Feb 9 | 3.1 & 3.2 | 3.1 #1-19 3.2 #1-33 |
| Feb 14 | 3.3 & 3.6 | 3.3 #1-19 3.6 #1-9 |
| Feb 16 | 4.1 & 4.2 | 4.1 #5-19, 25-29, 35-43 4.2 #1-59 |
| Feb 21 | 4.3, 4.4, 4.5 | 4.3 #1-45 4.4 #13-39 4.5 #1-35 |
| Feb 23 | Review | |
| Feb 28 | Test 2 | |
| Mar 2* | Go over Test 2 | |
| Mar 7 | 5.1 | 5.1 #1-13, 17-34 |
| Mar 9 | 5.2 & 5.3 | 5.3 #1-29 |
| Mar 14 | 6.1 & 6.2 | 6.1 # 1-7, 31-35 6.2 #1-15, 19, 23, 37-41 |
| Mar 16 | 6.3 & 6.4 | 6.3 #1-11 6.4 #1-23 |
| Mar 21 | 6.5 | 6.5 #1-33 |
| Mar 23 | 6.6 | 6.6 #1-43 |
| Mar 28 | Review | |
| Mar 30 | Test 3 | |
| Apr 4 | Go over Text 3, 7.1 & 7.2 | 7.1 #1-25, 41-59 7.2 #7-15 |
| Apr 6 | 7.3 & 7.4 | 7.3 #1-29 7.4 #1-23 |
| Apr 11 | Review | |
| Apr 13 | Test 4 | |
| Apr 18 | Go over Test 4 and Review for Final Exam | |
| Apr 20 | No class (I'm chairing a conference) | |
| Apr 27 | Final Exam | 4:00-6:50pm |

* March 3 is the last day for withdrawal.