

COURSE: **TRIGONOMETRY FOR TECHNOLOGY (MATH-1710)**

TEXTBOOK: Applied Trigonometry -- by McHale and Witzke

****NOTE(1):** Step-by-step solutions to **all** required **highlighted** odd-numbered Supplementary Problems, as indicated below, **must** be kept in a notebook. YOUR NOTEBOOK SHALL BE AVAILABLE FOR REVIEW BY YOUR INSTRUCTOR BEFORE AND AFTER EACH TEST. **You must bring this with you when you take a test.** Do **not** take a test until you **are** able to at least do the Supplementary Problems (as indicated below) without relying on sample problems and/or answers in the back of the book.

NOTE(2): **EACH TEST WILL INCLUDE SOME PROBLEMS BASED ON PREVIOUS CHAPTERS STUDIED.**

NOTE(3): A non-graphing, non-programmable scientific calculator supplied by the Math Lab may be used when testing. If rounding is specified, round **only** the final calculator display.

NOTE(4): Answers to all Supplementary Problems are found in the back of the book.

NOTE(5): All exercises at the end of each section that are listed below **should** be done. Answers are available in back of the text.

NOTE(6): **TO BE ABLE TO FINISH YOUR COURSE ON TIME, YOU SHOULD COMPLETE THE REQUIRED MATERIAL FOR A TEST AND PASS EACH TEST BEFORE EACH GUIDELINE (NOT DEADLINE) DATE INDICATED.**

NOTE(7): It is your responsibility to check the Math Lab bulletin board and hand in an attendance slip each time you attend the Lab (including testing).

| | | | READ | DO |
|--|--|---------|---|---|
| 2010 | TITLE | CHAPTER | PAGES | HOMEWORK EXERCISES/COMMENTS |
| | NOTE (8): Whenever rounding is allowed, only round the final calculator display (not at each step). This applies to the remaining 5 tests, as well. | | | |
| TEST 1 Should be taken during the week of Sep. 20 | Right Triangles **Supplementary Problems | 1 | 1-37 38-40 | All self-tests Odd Numbers |
| | Oblique Triangles **Supplementary Problems | 2 | 41-80 81-83 | All self-tests Odd Numbers |
| TEST 2 Should be taken before or during the week of Oct. 4 | Trigonometry Functions **Supplementary Problems | 3 | 84-144 145-148 See NOTE (2). | All self-tests Odd Numbers |
| TEST 3 Should be taken before or during the week of Oct. 18 | Vectors **Supplementary Problems | 4 | 149-209 210-212 See NOTE (2). | All self-tests Odd Numbers |
| TEST 4 Should be taken before or during the week of Nov. 1 | Circle Concepts **Supplementary Problems | 5 | 213-235 [Skip pgs. 236-250.] 251-261 | All self-tests All self-tests |
| | Identities, Inverse, Notation and Equations **Supplementary Problems NOTE (9): The identities listed on Page 277 are the only identities that should be memorized. | 6 | 262-263 264-301 302,303 See NOTE (2). | Odd Numbers, Omit Assign. 17 All self-tests Odd Numbers |
| TEST 5 Should be taken before or during the week of Nov. 15 | Complex Numbers **Supplementary Problems | 7 | 304-351 352-355 See NOTE (2). | All self-tests Odd Numbers |
| TEST 6 Should be taken before or during the week of Nov. 29 | Sine Waves **Supplementary Problems | 8 | 356-395 396-398 See NOTE (2). | All self-tests Odd Numbers |