Prerequisites: "C" or better in Math 104. SCC minimum English standard.

Required: Trigonometry 2<sup>nd</sup> Edition by John W. Coburn and J.D. Herdlick. Graphing, programmable calculator (TI-84 recommended)

Math 051 (Trigonometry) presents the essentials of plane trigonometry needed by students for subsequent studies in physics, calculus or other related technical programs. Topics presented are solutions to triangles, trigonometric identities and equations, definitions of trigonometric functions, their inverses and related graphs. The course concludes using trigonometry to explore polar graphing and complex numbers. The students will be able to solve application problems involving trigonometric functions and graphs throughout the semester in homework and on exams.

Punctual and regular attendance is essential for success. Students with special needs or special situations need to speak with this instructor personally.

Grades are computed on the total possible. 90% and above A, 80+% B, 70+% C, 60+% D. 59% and below F. For the pass/fail students, 70% and above is passing.

We have 4 one-hour, cumulative, "regular" exams during the semester. The highest 3 of the 4 exam scores are used towards the semester grade. Regular exams constitute 60% of the semester grade. No make up exams are given. The final exam constitutes 20% of the semester grade. If a student does not take the final exam, a grade of zero points will be recorded. If a student wishes his/her course grade and final exam to be returned, the student *must* supply a stamped, self-addressed, legal-sized envelope when the exam is submitted. The final exam is cumulative for the entire semester and normally contains problems from each of the past exams.

Homework is assigned via a "schedule" that is available on the web site (www.mumaugh.com/math051/). Homework is due at the beginning of the class following the date it was issued. Homework and Math Lab points combine to provide 20% of the semester grade.

Homework completion involves the practice that is necessary to understanding the wide variety of concepts presented in this course. The average ability student should schedule one hour per day, every day, for preparation of homework. Homework needs to have your name, due date, assignment number and a problem list at the top of the first page of each particular assignment. Exam preparation will be facilitated if homework is complete and up-to-date. *No late homework is accepted.* 

Cell phones and/or pagers must be off *and* put away. No iPods or similar devices are allowed in class at any time. **If your phone or pager is heard during class, there is clearly an emergency that you need to address and you will leave the class for the remainder of that day.** You are an adult in a college class so your behavior must be appropriate at all times. Cheating will not be tolerated.

I accept email questions at: math051@mumaugh.com. No phone calls, please.