**Instructor:** Tom Fisher
**Office:** O-1 Martin Hall
**Telephone:** Martin Number (864) 656-5196
**Email:** *fisher2@clemson.edu* (best)
**Office Hours:** MW 1:30-2:30
**Web Sites:** *http://www.math.clemson.edu/ug/MthSc106/*
*http://bb.clemson.edu/*
*http://www.coursecompass.com/*
**Software:** MyMathLab – required, bundled with text
   Course Name – MthSc 106 – Spring 2010 - Fisher
   CourseID – fisher84586
**Calculator:** A scientific or graphing calculator is strongly recommended.  Student will be expected to use either a laptop or calculator for homework and classroom exercises. Students will NOT be permitted to use a laptop or calculator on exams.
**Texts:** <u>University Calculus Part One</u>, 1st Edition. Hass, Weir, Thomas, 2007 - required
<u>Student's Solutions Manual Part I</u>, 1st Edition. Hass, Weir, Thomas, 2007 - recommended
<u>Just-In-Time Algebra & Trigonometry for Early Transcendental Caluls</u>, 3rd Edition. Mueller, Brent, 2006 - recommended
**Course Objectives:** Calculus is an important building block in the education of any professional who uses quantitative analysis (e.g. engineers, scientists, economists, mathematicians, etc.)  It introduces and develops the mathematical skills required for analyzing change and creating mathematical models that imitate real-life situations.  The goals of the first semester calculus course are to expand the students' knowledge of calculus, and to use the calculus environment to develop critical thinking and problem solving skills.
**Topic Outline:** Trigonometry, rates of change, limits, continuity, tangents, derivatives, chain rule, derivatives of trig functions, mean-value theorem, optimization, antiderivatives, definite and indefinite integrals.
**Grading:** See Grading Policy in Course Policies

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**Attendance Policy:** If the instructor does not arrive in the classroom within 15-minutes after the scheduled start time, class is dismissed for the day.  Any student who has more than 8 absences may be dropped from the course.  No Makeup test will be given.  An unexcused absence for a test or inclass assignment will result in a zero grade.

*You are expected to be an active participant for the entire 50-minute class.*
*Indications that this is not happening include sleeping, surfing the web or instant messaging on your laptop, text-messaging on your cell-phone, studying for another class, etc.*
*Please turn your cell phone off before class.*

**Daily Grade & Learning Activies:** Daily grade will consist of varying learning activities, including, but not necessarily limited to, traditional individual quizzes, reading quizzes, additional homework problems, inclass assignments and projects.
**Online and Textbook Homework:** Each student will work online homework sets in MyMathLab.  The online homework problems are listed in the Skill Sets.  Some number of the problems will be dropped at the end of the semester.
You are responsible for mastering every skill in a skill set.  If a skill has only textbook problems associated with it, you should work those problems to master those skills.

**Common Test:** There will be 3 common unit tests during the semester taken in the evening at 6:45pm on designated Wednesdays. Ninety minutes will be allotted for each unit test. The comprehensive final exam will be alloted 2.5 hours.

**Letters of Accommodation:** If you have a letter stating specific testing accommodations to which you are entitled, please come by my office to discuss the accommodations that you will need and to give me a copy of the letter. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible. *Please note that unless I have at least one week's notice I will be unable to provide any accommodation on an exam.*

**Prerequisites:** Completion MthSc 103, 104, or 105, or a score of a 3 or better on the CMPT may meet the prerequisites with a sufficient score on the Basic Skills Test (BST) given the second day of class

    A CMPT score of 3 requires a BST score of 17 or better
    A CMPT score of 4 requires a BST score of 13 or better
    A CMPT score of 5 requires a BST score of 11 or better
    A CMPT score of 6 requires a BST score of 7 or better

Students who do not meet the prerequisites will not be permitted to remain in the course and should switch to MthSc 104 or 105.

**Academic Integrity:** As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a 'high seminary of learning'. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

Cheating is not exclusive to copying or plagiarizing someone else's work. Entering and storing information in your calculator is cheating! If I suspect this, I will spot check calculators before tests and quizzes or eliminate their use. For further information regarding academic integrity and how it is protected on the Clemson Campus, please refer to the material in the University Academic Regulations. The University policy on academic dishonesty will be strictly enforced.