Calculus and Analytic Geometry I

10:20 – 11:15 Mondays and Wednesdays
9:35 – 10:55 Tuesdays and Thursdays

TCCW 307   4.5 credit hours

Instructor: Dr. Tom Richmond   TCCW 331   745-6219
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Office Hours: MW 9:20-10:20; MW 1:45-2:15; TR 8:30-9:30
and by appointment

Purpose of Course: Mathematics is at the foundation of science, and calculus is at the foundation of mathematics. This course provides an introduction to the fundamental ideas of both the differential and integral calculus.

Prerequisite: 1) MATH 117 or 118 with a grade of C or better,
OR 2)   4 yrs of HS math form the pre-college curriculum, and either
a) an algebra score of 20,
or b) a Math ACT score of 27 and a GPA of 3.0 in HS math.

Attendance Policy: Registration in a course obligates the student to be regular and punctual in class attendance. Four or more unexcused absences from class may result in an "F" as final course grade. A student absent from class bears full responsibility for subject matter and announcements missed.

Testing and Grading: Students are responsible for material presented in class and the material in the text. There will be four one-hour in-class tests, each worth 100 points. The comprehensive final exam, to be given at 10:30 Friday, May 15, 2009, is worth 175 points. There may be up to 100 points of daily grades, consisting of homework, quizzes, or projects. Grading will follow the 10-point scale.

Text: Single Variable Calculus Early Transcendentals, Jon Rogawski, W. H. Freeman and Co., 2008.

Course Outline: We will cover the material discussed in Chapters 1 through 6.2 of the text.

Some assignments will require the use of graphing or computing technology.   You will be encouraged to use graphing calculators as an aid to (but not a substitute for) learning.   As with all WKU classes, student work may be checked using plagiarism detection software.

Continuing Students: A grade of C or better in Math 126 is required for admission to Math 227.
Last Date to Withdraw/Audit: March 20.   The Department Head says he will grant no exceptions.

"**This course meets the General Education mathematics requirement** in Category D-2, with the goal of providing students with the ability to understand and apply mathematical skills and concepts. After completing Math 126, students will be able to: use fundamental mathematical reasoning principles; use graphical, symbolic, and numerical methods to solve practical problems; and interpret information presented in tables or graphical displays."

"In compliance with university policy, **students with disabilities** who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services."