

## COURSE SYLLABUS

MATH 165

FALL 2007

Welcome to Math 165, my name is Jim Coykendall, and I will be your instructor for this course. My office is 310A Minard Hall, and my office hours this semester will be from 5:30-8:00am and 9:00am-11:00am on Mondays, Wednesdays, and Fridays. Additionally I have office hours from 1:00pm-2:30pm on Mondays and Wednesdays. If my hours are inconvenient then email me (Jim.Coykendall@ndsu.edu) or give me a call (office 231-8079, home 297-5114) and we will work something out. Another good resource for this course is my homepage, which can be found at <http://www.ndsu.nodak.edu/ndsu/coykenda/>

In general, you may consider my office an “open door”, and I strongly recommend that you come and see me if you are having any trouble in class (or if you find that you are not being challenged enough). Come by...I enjoy seeing my students.

**COURSE DESCRIPTION:** Basic introductory calculus including limits, continuity and derivatives of functions of one variable, trigonometric and exponential functions and their inverses, graphing and other applications of the derivative, l'Hospital's rule, antiderivatives, Riemann sums and the Fundamental Theorem of Calculus, and applications.

**GOALS:** To give students an understanding of and an appreciation for the theory and many applications of differential and integral calculus of one variable. Both computational and conceptual skills will be developed. The students will be exposed to both theoretical and applied points of view and applications to other disciplines will be stressed. This course also develops student capabilities related to several of NDSUs General Education Objectives, including:

- The ability to communicate effectively in a variety of contexts and formats.
- Comprehend concepts and methods of inquiry in science and technology, and their applications to society.
- Integrate knowledge and ideas in a coherent and meaningful manner.

**TEXTBOOK:** The text will be Stewart's sixth edition book: Calculus, Early Transcendentals.

**HOMEWORK:** It is *imperative* that you do homework. If you have trouble with the problems (or any others in your book) then see me ASAP. Please work as many problems as you can. Your goal should be to be able to do every problem in the text (and in general). The bottom line is that if you want to learn some mathematics, the only way to do this is by “getting your hands dirty” working problems.

**QUIZZES:** Once a week in recitation (at least), there will be a quiz covering material from previous lectures. Make-up policy is at the discretion of your recitation instructor, but attendance is absolutely necessary. The quizzes will be averaged for part of your final grade.

**EXAMS:** There will be three out of class examinations on Thursday September 27, Thursday October 25, and Thursday November 15. The exams will all take place in **Minard 138** from 7:30pm-9pm. The final exam (as per your fall registration schedule) will take place on Wednesday, December 12 from 1:00pm-3:00pm in **Minard 138**. *No calculators will be allowed on the exams.*

**GRADES:** Here is a breakdown of the quizzes/exams/final:

Quiz Average...30%  
Exam 1...15%  
Exam 2...15%  
Exam 3...15%  
Final...25%

If you get the following scores (out of 100) you will receive:

90-100...A  
80-89...B  
70-79...C  
60-69...D

**SPECIAL NEEDS:** Any students with disabilities or other special needs, who need special accommodations in the course, are invited to share these concerns or requests with the instructor as soon as possible.

**ACADEMIC HONESTY:** All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct (<http://www.ndsu.nodak.edu/policy/335.htm>).

I wish you the best of luck in this course, please stop by and keep me posted on how you are doing.