

**COURSE SYLLABUS**  
**MATH 166**  
**SPRING 2013**

Welcome to Math 166, my name is Jim Coykendall, and I will be your instructor for this course. My office is 412K Minard Hall, and my office hours this semester will be from 5:30-8:00am, 9:00am-10:00am, and from 12:00pm-2:00pm on Mondays, Wednesdays, and Fridays. Additionally, I tend to be around other times, but it is a good idea to give me a call to make sure that I am available (but you are always welcome to drop by). If my hours are inconvenient then email me (jim.coykendall@gmail.com) or give me a call (office 231-8079) and we will work something out. Another good resource for this course is my homepage, which can be found at

<https://www.ndsu.edu/pubweb/~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:** Standard second semester calculus. Topics covered will include integrals, techniques and applications of integration (including volumes, arc length, surface area, and applications to engineering, physics and other sciences) and numerical integration. Also covered will be sequences, series, determination of convergence, power series and series representations (including Taylor series), the calculus of parametric and polar equations, and some elementary differential equations.

**GOALS:** To give students an understanding of and an appreciation for the theory and 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.

**TEXTBOOK:** The text will be Rogawski’s second edition book: Calculus, Early Transcendentals.

**HOMEWORK:** It is *imperative* that you do the homework. If you have trouble with any of the problems then see me ASAP. Please work as many problems as you can, you are responsible for mastering this material completely and the only means to this end is to do as many problems as is humanly possible. 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. **DO LOTS OF PROBLEMS AND SEE ME OR YOUR TA IF YOU NEED ANY HELP.**

**QUIZZES:** Once a week in recitation (at least), there will be a quiz covering the material covered in the 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 February 14, Thursday March 7, and Thursday April 18. The exams will all take place in Minard 138 from 7:30pm-9pm. The final exam (as per your spring registration schedule) will take place on Thursday, May 9 from 1:00pm-3:00pm in Ladd 107 (note the different room). *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.