Calculus II (Math 166), Fall 2014

Time: MTRF 8:00–8:50 a.m.
Room: Witmer 307
Text: Calculus, 7th Ed by James Stewart
Instructor: Richard P. Millspaugh
Phone: 777-4603
E-mail: richard.millspaugh@und.edu
Office: Witmer 323
Hours: TR 9:00-10:20 am
W 8:30-9:20 pm
or by appointment
Final Exam: Tuesday, December 16 at 10:15 am

UND Essential Studies. This course is part of the Essential Studies Program at UND and may be used to satisfy a portion of your Math, Science, and Technology requirement. The ability to think and reason effectively is essential in most endeavors, a critical thinker considers all available evidence with an open mind and uses appropriate techniques to analyze that evidence and reach a conclusion. In this class you will be given the opportunity to learn some of those techniques, to recognize situations that call for their use, and to use them effectively in a variety of settings.

Course Content and Goals. This semester we will cover most of the material in chapters 6, 7, 10, and 11 of the textbook, as well as section 8.1. By the end of the semester you should be comfortable with integration of functions of one variable and several applications of integration. You will also be introduced to infinite sequences, power series, Taylor series, parametrization of curves in the plane, and polar coordinates.

Prerequisites. Good algebra and trig skills are essential if you expect to be successful in this course. In addition, you are expected to have sufficiently mastered the material in Calculus I to be able to use it when needed. We will not have time in this class to devote to prerequisite material.

Class Participation. A typical day of class will involve both lecture and discussion. Your participation is required to make discussions successful. I haven’t done my job if all I do is read the book to you; you haven’t done your job if all you do is fill a chair every day.

Mathematics Learning Center. You are encouraged to make use of the Mathematics Learning Center in Witmer 310/312. The MLC provides free drop-in tutoring as well as a place to discuss math problems with your colleagues. The hours and tutoring schedules for the MLC are posted in the hallway outside the doors.

Office Hours. The office hours listed above are reserved for the use of my students. Please feel free to drop by at those times if you have questions about this class or if there is something else you need to discuss. You may also try to find me at other times, but please understand that I might occasionally be involved in something that cannot be interrupted. In general, if my door is open then I’m probably available and if my door is closed then I’m probably not. If my door is open and I’m not in the office, you may have the department secretary (in room 313) track me down.

When you ask questions about problems you are working on, please be aware that I will usually want to see what you’ve been trying to do before I’ll answer your questions. This helps me try and address the particular part of a problem that you are having trouble with.

Calculators. You will sometimes find it useful to have a calculator for this class. All that is really required is a basic scientific calculator that computes trigonometric functions as well as logarithmic and exponential functions, though I allow the use of more advanced calculators in most instances. I do restrict the use of calculators with a built in CAS such as the TI 89 or TI 92. You are NOT allowed to use the calculator in your cellphone during class.

Homework. Homework will be assigned and graded online using WebWork. This software was developed by the Mathematical Association of America and is free. We will discuss how to access WebWork in class. Your homework score will contribute 100 points towards your final grade.
Tests. There will be four one-hour tests in this class, each worth 100 points. Tentative test dates are:

- Chapter 6 - Friday, September 9
- Chapter 7 & §8.1 - Tuesday, October 14
- Chapter 11 - Friday, November 14
- Chapter 10 - Friday, December 5

If you absolutely must miss a test for some valid reason (oversleeping is not a valid reason to miss a test) it is your responsibility to contact me to schedule a makeup. I will normally expect to hear from you before the scheduled time for the test. Except under the most extraordinary of circumstances, I will expect you to take the test within one week of the original test date. If you take a test under this policy, you should normally expect it to be slightly more difficult than the test given in class.

Final Exam. There will be a comprehensive final exam on Tuesday, December 16 at 10:15 am. The final exam in this course is worth 150 points.

The UND Policy on Final Examinations (see the Fall 2014 Class Schedule) will be strictly adhered to. Please note in particular that you forfeit your right to reschedule a final exam because you have three or more scheduled on the same day if you have not made arrangements by November 14.

Grades. Grades will be determined according to the following scale:

- 585–650 = A
- 520–584 = B
- 455–519 = C
- 390–454 = D
- 0–389 = F

Please be aware that at the end of the semester I will assign grades based only on your performance on the items indicated above.

UND Early Alert Program. Your instructor has chosen to include this course in the University of North Dakota’s Early Alert Program. Between the fourth and fifth week of the semester, your instructor will provide, to the UND Student Success Center, the names of those students who are in danger of failing this course due to:

* Absences
* Missing assignments
* Assignment scores
* Test scores

These students will then be provided with information regarding campus resources and other tips to assist in improving their performance in this course.

Accommodations. If you have emergency medical information to share with me, need special arrangements in case the building must be evacuated, or need disability accommodations in this course, please make an appointment to discuss that with me. If you plan to request disability accommodations, you are expected to register with Disability Services for Students, 190 McCannel Hall, 701-777-3425 voice/tty, dss@und.edu.

Academic Misconduct. Academic misconduct of any kind will not be tolerated. I consider a zero on the test or assignment in question to be the minimal consequence for any act of academic misconduct.

Cell phones. I do not want to see or hear cell phones during class.