

Course Syllabus
Math 2012---Fall 2011

Instructor: Dr. Neal Smith

Phone: 729-2283

Office: Allgood N329

Office Hours: How about 10:00-12:00 TR, and by appointment. It is the responsibility of each student to seek help when necessary. The Math Assistance Center in Allgood N337 is another resource that is available.

Text: Essential Calculus, by Stewart.

Calculator: You will no doubt want a calculator capable of performing basic scientific functions. Calculators which perform symbolic algebra/calculus may not be used on exams. If you have any doubt concerning this matter, ask.

Website: The syllabus and other relevant materials can be found by following the appropriate links at <http://www.aug.edu/~mcsnos>

Grading: Your grade will be determined by your performance on the following items.

3 'mid-term' exams (each 20%)

Comprehensive final (35%)

Quizzes (5%)

If your final percentage is in the interval...

[87%, 100%]

[77%, 87%)

[67%, 77%)

[57%, 67%)

[0%, 57%)

Your course grade is...

A

B

C

D

F

Grading illustration: Suppose your scores on exams 1,2, and 3, and the final were 98, 76, 70, and 80 respectively, and your quiz average was 90%. Your final grade is thus

$$.2(98)+.2(76)+.2(70)+.35(80)+.05(90) = 81.3, \text{ a B.}$$

Other Policies:

Attendance: I'm not the attendance police, but you need to be here every day. I know it, you know it. I will take attendance; if a student drops the course or earns a grade of F or WF, I must provide the university with information about their attendance. Students who arrive late are counted absent. Also please bear in mind that in accordance with ASU policy, instructors may at their discretion withdraw any student who has been absent from (or by the above policy, late to) 10% of the semester's class meetings.

Homework: I find it distasteful to interfere with the free will of others and 'make' people do the homework. But, it's an essential part of your learning, so to encourage you to do the homework, a nontrivial portion (usually no less than about 20%) of each hour exam will come from the assigned homework.

Grading Rubric: I will grade exam problems on a four-point scale as follows:

4---The problem is completely correct, the solution is clearly written, and proper notation and terminology is used.

3---Either the problem is correct but is either not as well-written as expected for a 4 point solution, improper notation/terminology is used, or there is a very minor (typically computational) error.

2---Significant (correct) progress is made, but there is not a complete solution present, or a major error has been made.

1---Shows some awareness of correct methods, but little to no work towards an actual solution is present.

0---Speaks for itself.

Make-ups/Quizzes: Quizzes are due at the beginning of class, and may not be turned in once I have started class. If you must be absent on a day when a quiz is due, you may turn it in **early** in my mailbox in the main Mathematics/CS office. If you miss an hour exam, the final exam will be scaled to count for 55% of your final grade to make up for the missed exam. Using this option is highly inadvisable, as the final is usually perceived to be the most difficult exam in the course. A second missed exam counts as a zero.

Partial credit: You will be graded upon the correctness of your solutions to problems and upon the correctness and quality of your work. This means you should endeavor to be clear and complete in your work.

Prerequisites: Math 2011 (Calculus I) with a grade C or better or placement.

Academic Honesty/Exam Procedure: This is a matter which is taken seriously. Instances of academic dishonesty will be dealt with as specified in the ASU catalog.

Each exam day, I will generate a random seating chart. Outside items other than those specifically permitted must be put away out of sight during the exam. In particular, devices such as cell phones must be put away out of sight and turned **off** during exams. If your cell phone makes noise during an exam, you may subject to a penalty on that exam. Hats with brims may not be worn to exams. I reserve the right to inspect or clear the memory of calculators at my discretion.

Etiquette: Common sense and institutional respect for the university are expected. Except in cases of sudden and violent illness, leaving class early (unless arranged in advance for a legitimate academic purpose) may be interpreted as intent to drop the course. Under no circumstances should cell phones or similar nuisances be seen or heard in the classroom; if you are seen using such a device during class, you may be asked to leave and counted absent for that class. If the lid to your laptop is open, you will have volunteered to produce a beautifully typeset collection of notes for the entire course.

A Favorite Quotation about Etiquette: “Being late is an insidious form of disrespect for others, particularly when you lay the blame on some external factor, as if such minor outliers had never happened before. (Some people never bother apologizing: they are presenting the double signal that they are both inconsiderate and, underestimating outliers, have no control over their lives).” (Nassim Taleb)

Guests: Guests (including children) are not allowed in class.

Withdrawals: If you decide for your own inscrutable reasons to drop the course you have the responsibility of making sure you have filled out all the forms and collected all the necessary signatures by the withdrawal deadline (October 10). Extended non-attendance will not necessarily cause me to drop you from the class roll.

Course Schedule:

Disclaimer: This schedule is at all times tentative. Changes announced in class (as to dates of exams, etc.) supersede this document. You are responsible for being aware of changes.

Date	Topic/Section	Homework
8-15	6.1	
8-16	6.1	6.1: 1-23 odd, 25, 28, 33, 34, 38, 39
8-17	6.2	
8-18	6.2	6.2: 1-11 odd, 12, 13, 17, 19, 21, 35, 37, 41-47 odd, 48, 49, 50
8-22	6.3	
8-23	6.3	6.3: 1, 5, 7, 9, 11, 15, 17, 19, 21, 23, 25, 35, 37, 39
8-24	6.4	
8-25	6.4	6.4: 1-13 odd
8-29	6.5	
8-30	6.5	6.5: 7, 9, 11, 13, 28, 29
8-31	6.6	
9-1	6.6	
9-5	No class-Labor Day	
9-6	6.6	6.6: 5-21 odd, 22, 23, 25, 26, 27, 29, 30, 31, 33, 34, 41-46, 48-50
9-7	Review for Exam #1	
9-8	Exam #1	
9-12	7.1	
9-13	7.1	7.1: 1, 3, 5-7, 9, 11, 13, 15, 16, 21, 24, 32
9-14	7.2	
9-15	7.2	7.2: 1-13, 21a, 25, 27, 41
9-19	7.3	
9-20	7.3	
9-21	7.3	7.3: 1-9, 11, 13, 15-23 odd, 37, 39-41
9-22	7.4	
9-26	7.4	7.4: 1-3, 5, 7, 8, 9, 11, 13, 15, 19, 29, 31
9-27	7.5	
9-28	7.5	7.5: 1, 3, 5, 6, 7, 8, 9, 11, 13, 15, 21, 32, 33, 35, 37, 39, 41, 43, 44, 48, 49
9-29	7.6	
10-3	7.6	
10-4	7.6	7.6: 1-11 odd, 21-24, 25, 27, 29, 33, 35, 37, 39
10-5	Review for Exam #2	
10-6	Exam #2	
10-10	Semester Midterm	
	8.1	
10-11	8.1	8.1: 1-3, 5, 7, 9, 11, 12, 13, 15, 17, 19, 21, 23, 25, 28, 32-38, 40, 46

10-12	8.2	
10-13	8.2	8.2: 3, 5, 7, 9-15, 19, 21, 23, 25, 26, 27, 34, 35, 43, 44, 47a, 49a, 49c
10-17	8.3	
10-18	8.3	8.3: 1-15, 17, 18, 19, 21, 24, 25, 27, 33, 35
10-19	8.4	
10-20	8.4	
10-24	8.4	8.4: 3, 4, 5,7, 8, 13, 18, 19-25, 30-33, 35, 39, 40, 41
10-25	Recap of sections 8.1-8.4	p. 482: 9-18 all
10-26	8.5	
10-27	8.5	8.5: 3-9, 11, 13, 17, 21, 23a, 25
10-31	8.6	
11-1	8.6	
11-2	8.6	8.6: 3-5, 7, 9, 11, 13, 14, 15, 17, 23, 25, 32, 35a, 38a, 39
11-3	8.7	
11-4	8.7	8.7: 5-9, 11, 13-16, 23-35, 40-, 41, 43, 45, 51-65 odd
11-7	8.8	
11-8	8.8	8.8: 3, 5, 6, 7, 8, 9, 11, 13, 16, 17
11-9	Review for Exam #3	
11-10	Exam #3	
11-14	9.1	9.1: 1-13 odd
11-15	9.1	
11-16	9.2	
11-17	9.2	9.2: 3-13 odd, 21, 27, 33, 35, 37, 39, 41, 43, 45
11-21	9.3	
11-22	9.3	9.3: 1-4, 7-11 odd, 23, 29, 31, 47-50
11-23, 11-24	Thanksgiving	
11-28	9.4	
11-29	9.4	9.4: 5-8, 11, 15, 17
11-30	We'll do something today.	
12-1	Review for Final Exam	

Final Exam:

Monday, December 5, 10:00-12:00