

MTH 234 Multivariable Calculus

Section: 201

TIME: MTWF 10.20 am - 12.10 pm

Location: 2205 Engineering

Instructor: Andrew A Cooper

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Office Hours: MTh 1 pm - 2 pm and by appointment

Homepage: <http://www.math.msu.edu/~coope106/234>

Textbook: Thomas' Calculus, 11th Edition (either the whole book or Part II).

Textbook Sections: 12.1-6, 13.1, 13.3, 14.1-7, 15.1-4, 15.6, 16.1-5, and 16.7-8

Calculator: No calculators.

Expectations: This course will require understanding of the material covered in the previous two semesters of Calculus. If you have weaknesses from this material, review them now. Doing the homework problems before going to lecture is essential. Some assigned problems will be solved in class, but they will make a lot more sense if you have attempted solving them earlier.

Study groups are encouraged. However all work not designated as group work must be substantially the student's own work. It is a fundamental rule in academia that another's work must be acknowledged. No student shall claim or submit the work of another as one's own. The University's policy concerning academic integrity is covered in the Spartan Life booklet, General Student Regulations. For more information about this, Please consult the handbook or visit the Spartan Life web sites at <http://www.vps.msu.edu/SpLife/>.

Evaluation: Grades in this course are based upon the point total of the scores from 3 in class exams at 100 points each, 6 quizzes (20 points each, one dropped) and a final exam (worth 200 points) for a total of 600 points. The following grading scale will be used to determine your grade.

90% and above	85-89%	79-84%	73-78%	65-72%	60-64%	55-59%	54% and below
4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.0

Attendance: Students are expected to attend all class meetings and are responsible for all of the material covered. Any changes in this syllabus or in the scheduling of exams, assignments, etc. will be announced during class meetings. Students who miss lecture are responsible for obtaining the notes from a classmate.

There is no explicit role for attendance in the grading scheme. However, remember that because of the short summer session, *missing one class is the equivalent of missing two or three classes during the regular semester*. If you do not come to class, you will fail.

Unless a valid excuse is presented **in advance**, a missed exam will receive a score of 0 points. Only extreme situations with a **documented excuse** will allow a student to be excused from an exam. No make-up exams or quizzes will be given. Examine this syllabus carefully and plan around exams. The schedule for the final exam will be strictly adhered to.

Help: Please feel free to ask me any questions about the material. Students are encouraged to visit the Math Learning Center. It is located on the first floor of A-wing of Wells Hall. It is open Mon. – Thurs., 4 - 7 pm.

Tentative Exam Dates:

Friday, 17 July Exam 1 12.1-6, 13.1, 13.3

Tuesday, 28 July Exam 2 14.1-7

Friday, 7 August Exam 3 15.1-4, 15.6

Wednesday, 19 August Final Exam The above plus 16.1-5, and 16.7-8

Important Dates for Summer Semester A 2008:

Monday, 6 July First Day of Class

Wednesday, 8 July End of open add/drop period

Thursday, 16 July End of 100% refund period for First Half Session

Tuesday, 28 July Last day to drop with no grade reported

Wednesday, 19 August Last Day of Class

Suggested Homework Problems:

Section	Problems
12.1	1,2,3,7,9,11,23,30,37,41
12.2	5,9,15,17,19,29,35,37,51,53
12.3	11,12,16,25,29,35,43,45,49,52
12.4	3,5,7,9,15,17,19,25,26,27,29,31
12.5	3,5,7,9,12,25,27,29,31,33,35,37
12.6	5-21 odd,23,25,27,29,31,34,40,43,47,49,53
13.1	1,5,9,13,17,21,25,27,31-41 odd,42
13.3	1-20
14.1	3-13 odd,20,23,25,27,29,31,33,35,39,41,43,47
14.2	7,9,13,17,19,21
14.3	1,3,7,13,15,18,21,23,27

14.4	5,9,13,15,21,23,25,27,29,31,37,41,43
14.5	5,7,13,15,17,25,29,31
14.6	1-9,11,15,17,19,21
14.7	1,3,7,9,11,13,15,17,19,21,23,37,39
15.1	1-11 odd,15-23 odd,29,31
15.2	3-11 odd,15-23 odd,26,35
15.3	1,3,5,7,11,15,17,19,21,23,27,29,39
15.4	1-11 odd,19,21,23
15.6	5-21 odd,23,25,27,29,31,34,40,43,47,49,53
16.1	5,7,13,15,17,25,29,31
16.2	1-9,11,15,17,19,21
16.3	3,5,7,9,12,25,27,29,31,33,35,37
16.4	5-21 odd,23,25,27,29,31,34,40
16.5	7,9,13,17,19,21
16.7	1-26
16.8	5,7,13,15,17,25,29,31