

Instructor: Daniel Selahi DURUSOY	Section 201 (US07)
Office: A522 WH	MTWF 10:20–12:10
Office Hours: MW 9–10am and by appointment	Room: C108 WH
Phone: 353-0844 (leave message)	
email: durusoyd@math.msu.edu (include 234 in the subject)	
web: www.math.msu.edu/~durusoyd/234/	
Textbook: Thomas' Calculus, 11th ed. (chapters 12-16)	

Philosophy: This course will require an understanding of the material covered in the previous two semesters of Calculus. Before coming to class, quickly read the section of the text to be covered in that lecture in order to have an idea of the material to be covered in class. After class go through your class notes and the suggested homework problems. Study groups are encouraged.

Evaluation: Grades in this course are based upon the point total of the scores from 3 in-class exams (100 points each), 3 homework assignments (40 points total), and 3 quizzes (60 points total), and a final exam (200 points). Out of 600 total points possible, the following grading scale will be used to determine your grade.

90%-100%	4.0	73%-78%	2.5	55%-59%	1.0
85%-89%	3.5	65%-72%	2.0	0%-54%	0.0
79%-84%	3.0	60%-64%	1.5		

Attendance: Students are expected to attend all class meetings and are responsible for all of the material covered. Changes in this syllabus and details on homework and quizzes will be announced during class meetings. No make-up quizzes or exams will be given. Examine this syllabus and plan around the exams. Only extreme situations with a documented excuse will be considered, otherwise missed exams will receive a score of 0 points. Commercial travel schedules are not excuses. Students who miss a lecture are responsible for obtaining the notes from a classmate. Early homework is welcome but no late homework will be accepted.

Calculators: Use of calculators is permitted and encouraged when doing homework problems. On the other hand, calculators and any other electronic devices will not be allowed during quizzes and exams. If you have to bring your cell phone, keep it turned off during class time.

Homework: This class is homework intensive. A number of homework problems for study (listed in the last page) have been selected for each lecture in the course, and additional problems have been selected for exam review. If you don't have time to do the homework, you don't have time to take the course. Only some of these will be collected, as announced in class.

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, open on MTWR 4–7pm. It provides a good atmosphere both for personal study and also for getting help.

Student code of conduct: Students are responsible for prerequisites. Students can work in groups. No student shall claim or submit the work of another as one's own work. For further university policies on academic integrity, please check Spartan Life booklet, General Student Regulations, also available on-line at www.vps.msu.edu/SpLife.

Course Schedule and Important Dates (Section numbers are tentative)

Day	Date	Section(s)
Mon	7/2	12.1, 12.2; First day of classes
Tue	7/3	12.3, 12.4
Wed	7/4	Independence Day. No class
Thu	7/5	Close of computer and telephone enrollment
Fri	7/6	12.6, 13.1
Mon	7/9	13.3, Quiz 1
Tue	7/10	14.1, 14.2
Wed	7/11	14.3, 14.4
Fri	7/13	Exam I ; Last day to drop with a 100% refund
Mon	7/16	14.5
Tue	7/17	14.6
Wed	7/18	14.7; Quiz 2
Fri	7/20	15.1
Mon	7/23	15.2
Tue	7/24	15.3
Wed	7/25	15.4; Last day to drop with no grade reported
Fri	7/27	Exam II
Mon	7/30	15.6
Tue	7/31	16.1
Wed	8/1	16.2
Fri	8/3	16.3
Mon	8/6	16.4; Quiz 3
Tue	8/7	16.5
Wed	8/8	16.7
Fri	8/10	Exam III
Mon	8/13	16.8
Tue	8/14	Review
Wed	8/15	FINAL EXAM

Suggested Homework Problems:

Chapter 12

- 12.1 1, 9, 10, 12, 14, 16, 18, 19, 23, 25, 26, 34, 35, 38, 44, 46, 49, 52
12.2 3, 5, 8, 9, 11, 13, 16, 17, 19, 20, 21, 23, 25, 26, 27, 30, 33, 34, 35, 37, 41, 43, 44, 47
12.3 3, 5, 8, 9, 11, 12, 13, 17, 19, 21, 22, 29, 32, 43, 45
12.4 (Skip Triple Scalar Product) 1, 3, 8, 11, 12, 13, 15, 17, 23, 25, 27, 28, 31, 33, 35, 38, 39, 42
12.5 1, 3, 4, 5, 7, 9, 10, 20, 21, 23, 25, 26, 27, 29, 31, 35, 37, 39, 42, 45, 47, 48, 51, 53, 55, 57, 58, 61, 65, 66, 68, 69
12.6 2, 4, 5, 7, 9, 10, 11, 15, 17, 18, 21, 23, 24, 25, 27, 28, 31, 33, 37, 39, 42, 43, 47, 50, 51, 55, 59, 61, 63, 68
R 1, 7, 9, 13, 15, 19, 25, 31, 33, 37, 43, 45, 49, 53, 57, 59, 69, 71, 73, 75

Chapter 13

- 13.1 1-11(odd), 14, 17, 23, 26, 27, 29, 32, 33, 35, 39, 41, 45
13.3 1, 3, 5, 8, 11, 13, 15
R 1, 3, 4, 21, 22

Chapter 14

- 14.1 2, 7, 9, 12, 13-18(all), 19, 22, 23, 26, 29, 30, 31, 33, 35, 37, 39, 41, 42, 45, 46
14.2 7, 8, 10, 11, 12, 15, 17, 18, 24, 29, 30, 31, 32, 35, 37, 42, 45, 48, 50
14.3 7, 8, 11, 12, 13, 15, 16, 17, 19, 27, 29, 32, 43, 45, 46, 47, 49, 63, 65, 68
14.4 1, 3, 6, 7, 9, 10, 11, 12, 15, 17, 18, 21, 24, 25, 27, 28, 29, 31, 32, 33, 35, 37, 38, 41, 47
14.5 1, 2, 5, 6, 9, 11, 12, 15, 17, 20, 21, 23, 24, 27, 29, 30, 31
14.6 1, 2, 4, 5, 7, 9, 10, 13, 17, 19, 27, 29, 30, 31, 33, 34, 39, 40, 43
14.7 1, 3, 5, 6, 17, 19, 22, 26, 31, 37, 42, 47
R 7, 12, 15, 17, 20, 27, 29, 31, 34, 35, 39, 42, 47, 49, 51, 53, 55, 57, 67, 69, 77

Chapter 15

- 15.1 1-9(odd), 10, 11, 13, 16, 17-23(odd), 28, 29, 30, 31, 33, 34, 37, 39, 41, 43, 46, 47, 48, 59
15.2 1-11(odd), 12, 21, 23, 24, 27, 32, 33, 35, 38
15.3 1, 3, 7, 8, 10, 13, 17, 19, 22, 23 (Find the centroid), 25, 27, 28, 35, 36
15.4 1, 3, 5, 6, 9, 13, 15, 16, 21, 23, 24, 25, 27, 28, 29, 31, 33, 34, 39, 41, 43
15.6 1, 3, 4, 5, 7, 9, 10, 12-17 all, 19, 20, 22, 23, 21, 23, 26, 29, 34, 35, 45, 49, 51, 52, 55, 56, 59, 61, 62
R 3, 7, 11, 13, 15, 27, 31(a), 33, 35, 40, 45, 49

Chapter 16

- 16.1 1-9(all), 11, 13, 14, 15, 21, 23, 26
16.2 1, 3, 9, 11, 13, 14, 19, 21, 23, 29(a)&(b), 37, 39, 42
16.3 1, 3, 5, 6, 9, 13, 15, 17, 18, 29, 31
16.4 3, 5, 7, 8, 9, 11, 13, 15, 17, 19, 20, 21, 23, 26, 29
16.5 1, 3, 5, 8, 9, 10, 11, 14, 17, 18, 19, 21, 24, 25, 26, 29, 31, 33, 39, 40, 43
16.7 1-7(odd), 8, 11, 12, 19, 21, 22
16.8 5-11(odd), 14, 16, 17, 21, 22, 23, 25, 26
R 3, 9, 11, 13, 15, 27, 37(a), 39, 41, 49, 55, 57, 59