

Math 223-02: Calculus III
Mon-Tue-Thu-Fri 11:00 – 11:50 am
Classroom: Wissink Hall 286A
My Office: Wissink 263

Professor: Dan Singer
Webpage: <http://mavdisk.mnsu.edu/singed/>
Email: dan.singer@mnsu.edu
My Office Hours: 3-5 MTHF or by appt.

Course Description: A continuation of Calculus II. Topics include vectors and the geometry of space, partial derivatives, multiple integrals, and vector calculus.

Prerequisite: Math 122 with C or better.

Textbook: *Essential Calculus* by James Stewart, 2007, Thomson Brooks/Cole.

Course Format: My goal is to help you think through the material and participate actively in the class. I will give lectures and provide examples as needed, but I am relying on students to read the textbook carefully and work with me to understand and apply the ideas. Please read ahead, following the schedule on the second page of this syllabus. Questions from students about homework problems are encouraged at the beginning of class. I encourage you to see me in office hours if necessary. Students are strongly advised to review Sections 10.1 – 10.5 on their own during the first week of the semester.

Exam Policy: You may bring in a single sheet of notes to refer to during each exam. You may use a calculator as directed.

Homework Policy: Homework must be written up carefully and stapled. Please indicate at the top of your homework one or two problems you would like me to comment on, if necessary. All homework completed in good faith and turned in will receive full credit.

Solutions Manual: There is a solutions manual available for 2-hour checkout at the library.

Attendance Policy: Please attend regularly. I would appreciate it if you would send me an email in advance of any unavoidable absences or emergencies.

Student Conduct: Please do the following: Arrive to class on time. Turn off your cell phone if you have one. Let me know in advance if you need to leave the classroom early for some reason.

Grades: Class participation: 50 points. Homework: 100 points. 3 Exams: 100 points each. Final Exam: 100 points. The final grade is determined by the scale below:

A: 495 – 550 points
B: 440 – 494 points
C: 385 – 439 points
D: 330 – 384 points
F: 0 – 329 points

Class Schedule:

<u>Date</u>	<u>Agenda</u>	<u>Date</u>	<u>Agenda</u>
Mon Aug 23	section 10.6	Mon Oct 18	section 12.7
Tue Aug 24	section 10.7	Tue Oct 19	section 12.7
Thu Aug 26	section 10.8	Thu Oct 21	review session
Fri Aug 27	section 10.8	Fri Oct 22	Exam 2
Mon Aug 30	section 10.9	Mon Oct 25	section 12.8
Tue Aug 31	section 10.9	Tue Oct 26	section 12.8
Thu Sep 2	section 11.1	Thu Oct 28	section 13.1
Fri Sep 3	section 11.2	Fri Oct 29	no classes
Mon Sep 6	no classes	Mon Nov 1	section 13.1
Tue Sep 7	section 11.3	Tue Nov 2	section 13.2
Thu Sep 9	section 11.4	Thu Nov 4	section 13.2
Fri Sep 10	section 11.4	Fri Nov 5	section 13.3
Mon Sep 13	section 11.5	Mon Nov 8	section 13.4
Tue Sep 14	section 11.6	Tue Nov 9	section 13.4
Thu Sep 16	section 11.6	Thu Nov 11	section 13.5
Fri Sep 17	Exam 1	Fri Nov 12	section 13.5
Mon Sep 20	section 11.7	Mon Nov 15	section 13.6
Tue Sep 21	section 11.7	Tue Nov 16	section 13.6
Thu Sep 23	section 11.8	Thu Nov 18	section 13.7
Fri Sep 24	section 11.8	Fri Nov 19	section 13.7
Mon Sep 27	section 12.1	Mon Nov 22	review session
Tue Sep 28	section 12.1	Tue Nov 23	Exam 3
Thu Sep 30	section 12.2	Thu Nov 25	no classes
Fri Oct 1	section 12.2	Fri Nov 26	no classes
Mon Oct 4	section 12.3	Mon Nov 29	section 13.8
Tue Oct 5	section 12.3	Tue Nov 30	section 13.8
Thu Oct 7	section 12.4	Thu Dec 2	section 13.9
Fri Oct 8	section 12.4	Fri Dec 3	section 13.9
Mon Oct 11	section 12.5	Wed Dec 8	Final Exam
Tue Oct 12	section 12.5		10:15 -- 12:15
Thu Oct 14	section 12.6		
Fri Oct 15	section 12.6		