Math 273-03: Calculus III
Fall 2017, Section 03
T,TH 12:00-12:50, Webster 17

Syllabus version August 17, 2017 (subject to revision).

Instructor: Robert Dillon

Office: Neill 324

Office Hours: W 9:-11:00, and by appointment

Telephone: (509)335-5110

Email: dillon@math.wsu.edu

Web Page: http:www.math.wsu.edu/math/faculty/dillon

Prerequisites: Math 172 with C or better, or 3+ on the Calculus BC exam
Text: *Calculus-Early Transcendentals (2nd Edition)*, by Briggs, Cochran and Gillett, 2015. Access to MyMathLab is required (see the About MyMathLab link on the course web page).
Calculator: Calculators are not allowed on tests.
Outline: We will cover selected sections from chapters 11 through 14. Topics include:

1. equations of lines and planes in $\Re^3$

2. functions of multiple variables

3. vector-valued functions; vector fields

4. partial derivatives

5. gradient vector; tangent planes

6. iterated integrals; line integrals; surface integrals;

7. Green's Theorem; Stokes' Theorem; Divergence Theorem

   Grading:

- Online homework (best 24 of 27) 15%

- Written homework (best 12 of 14) 15%

- Two Midterms (20% each) 40 %

- Final exam 30%

SCALE: A 92, A- 90, B+ 87, B 82, B- 80, C+ 77, C 72, C- 70, D+ 67, D 60
Exams:
Midterm 1: Tuesday 9/19/2017, 6:00-7:15 pm, Abelson 201
Midterm 2: Thursday 11/2/2017, 6:00-7:15 pm, Abelson 201
Final Exam: Wednesday 12/13/2017, 7-9 pm, ROOM TBD

Make-up exams will be given only in rare cases, and only if you've made every effort to notify your lecturer of the problem *as soon as was possible*. Otherwise, you may be given a zero for the exam.

Homework: Online homework is done in MyMathLab through Pearson Education (see the MyMathlab registration link at the course web page). Due dates for each online assignment are given in MyMathLab. Any problems from an online assignment that are completed after the assignment's deadline will be assessed a 50% penalty. Written assignments and their due dates will be posted on the course webpage. A paper which appears to be copied from another student or from any outside source may be given reduced credit (possibly zero). Your best 12 of 14 written homework assignments will be counted. As a rule, **late homework is not accepted**. Exceptions will only be considered in rare, extreme cases (when circumstances were unexpected and beyond the student's control, and the student has informed the instructor promptly). Even when exceptions are made, stiff penalties are often enforced.

Academic Integrity

I encourage you to work with classmates on assignments. However, each student must turn in original work. No copying will be accepted. Students who violate WSU's Standards of Conduct for Students will receive an F as a final grade in this course, will not have the option to withdraw from the course and will be reported to the Office of the Dean of Students. Cheating is defined in the Standards for Student Conduct WAC 504-26-010 (3). It is strongly suggested that you read and understand these definitions: http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010 http://www.conduct.wsu.edu/Content

Students with Disabilities

Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center (Washington Building 217; 509-335-3417) to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center.

Classroom Safety Information: Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the "Alert, Assess, Act," protocol for all types of emergencies and the "Run, Hide, Fight" response for an active shooter incident (url below). Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able). Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBIs "Run, Hide, Fight" video (**https://oem.wsu.edu/emergency-procedures/active-shooter/**) and visit the WSU safety portal (**https://oem.wsu.edu/about-us/**).

Math Learning Center

http://www.math.wsu.edu/studyhalls/welcome.php gives information (including hours of operation) for the Math Learning Center (MLC) and the MLC Computer Lab, where you can get assistance for Math 273.

Tentative Course Schedule: (MML=MyMathLab, WA=Written Assignment)

week	lecture topics	things due	notes
8/21 - 8/26:	11.3,4,5		11.3,4 should be review
8/27 - 9/2:	11.6,7,8,9	MML1, MML2, WA1	light/partial coverage of 11.7,8,9
9/3 - 9/9:	12.1,2	MML3, MML4, WA2	
9/10 - 9/16:	12.3,4	MML5, MML6, WA3	
9/17 - 9/23:	EXAM 1 review, 12.5	MML7, MML8, WA4	EXAM 1 is Tuesday, Sep 19, 6-7:15
9/24 - 9/30:	12.6, 12.7	MML9, MML10, WA5	
10/1 - 10/7:	12.8, 13.1	MML11, WA6	
10/8 - 10/14:	13.2	MML12, MML13, WA7	
10/15 - 10/21:	13.3,4	MML14, MML15, WA8	
10/22 - 10/28:	13.4,5	ML16, MML17, WA9	13.6 may be touched upon in hw
10/29 - 11/4:	EXAM 2 review, 14.1	MML18, MML19, WA10	EXAM 2 is Tues 11/2, 6-7:15 pm
11/5 - 11/11:	14.1 14.2	MML20, MML21, WA11	
11/12 - 11/18:	14.3,4	MML22, WA12	partial coverage of 14.4
11/19 - 11/25:			Thanksgiving break
11/26 - 12/2:	14.5,6	MML23, MML24, WA13	partial coverage of 14.6
12/3 - 12/9:	14.7,8, review	MML25, MML26, MML27, WA14	partial coverage of 14.7,8
12/10 - 12/16:			FINAL EXAM: Wednesday 12/13, 7-9