Math 273-01: Calculus III  
Fall 2015, Section 01  
T,TH 9:10-10:00, Kimbrough Music Bldg 101

Instructor: Robert Dillon  
Office: Neill 324  
Office Hours: W 9:-11:00, and by appointment  
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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 not 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 $\mathbb{R}^3$  
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:  
- Homeworks (best 12 out of 14) 120 pts  
- Two Midterm Exams 200 pts  
- Final Exam 180 pts  
- Total Possible 500 pts

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 9/29/2015, 6-7 pm, rooms TBA  
Midterm 2: Tuesday 11/3/2015, 6-7 pm, rooms TBA  
Final Exam: Wednesday 12/16/2015, 7-9 pm, rooms TBA

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:** Starting the 2nd week of class, homework will be due each Tuesday. Papers should be neat, organized, and stapled. Do not copy. An assignment that appears to be a copied from another student, a solutions manual, or another source may be given reduced credit or a score of zero. **Show supporting work or explanation on every problem.** Your best 12 of 14 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://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.

**WSU Safety Measures**

Washington State University is committed to maintaining a safe environment for its faculty, staff, and students. Please visit http://safetyplan.wsu.edu and http://oem.wsu.edu/emergencies to access the Campus Safety Plan and emergency information. You should also become familiar with the WSU Alert Site (http://alert.wsu.edu) where information about emergencies and other issues affecting WSU will be found.

**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.

**Syllabus version August 23, 2015. The syllabus is subject to revision.**