

MATH 314.001: CALCULUS III
FALL 2012

CONTACT INFORMATION:

NAME : Dr. Hasan Coşkun
OFFICE : Binnion Hall BIN 314 (Commerce)
Metroplex Center MPLX 107 (Mesquite)
PHONE : 903.886.5951 (Commerce)
972.613.7591 (Mesquite)
WEB : <http://faculty.tamu-commerce.edu/hcoskun/>
E-MAIL : hasan_coskun@tamu-commerce.edu
OFFICE HOURS : MW 11:00-11:50am & 1:15-2:05pm (Commerce),
TR 6:30-7:20pm (MPLX), otherwise by appt.

DESCRIPTION AND POLICIES:

1. CLASS SCHEDULE: MWF 12:00-13:15pm, BIN 301.
2. TEXTBOOK: Calculus by Stewart, 7th edition.
3. WEBSITE: An eCollege website has been created for the course which may be accessed from student myLEO accounts following the eCollege, and then the My Courses tabs. All files and documents that the instructor shares with the class will be posted in the Doc Sharing folder in that course website.
4. CATALOGUE DESCRIPTION: Infinite series; vector-valued functions; partial derivatives; multiple integrals; three-dimensional geometry; Green's Theorem; Stokes's Theorem; Divergence Theorem. Prerequisite Math 192.
5. SOFTWARE: *Mathematica* software is required for the course. It will be used extensively for manipulating data and carrying out computations in classroom discussions and in homework exercises and projects. Student licenses may be purchased online at the Wolfram Mathematica website at the url address <http://www.wolfram.com/products/student>.
6. HOMEWORK AND QUIZZES: Homework will be assigned in every class meeting on a regular basis. Assignments will be due the next class day and will be turned in electronically through eCollege website created for the course. Selected assignments and problems will be graded only, but all homework problems should be worked out. You may work in groups unless otherwise instructed, however the paper you turn in must be your own work. Late homework is not accepted. Homework and quiz score will make 50 points of the final grade.

7. **TESTS & PROJECTS:** There will be two tests/projects (100 points each) and a comprehensive final (200 points). Test problems will be similar to homework exercises. No make-up test will be given without an official, written, university accepted excuse. The student must contact the instructor the next working day and present the documented excuse to make up a test.
8. **LEARNING OUTCOMES:** Students who complete this course successfully will
- learn the *terminology* of multivariable calculus;
 - learn the *methods* used in the field of multivariable calculus;
 - learn the *applications* of theoretical results to practical problems.
9. **TENTATIVE COURSE OUTLINE:**
- Vectors and the Geometry of the Space (Chapter 12)
 - Vector Functions (Chapter 13)
 - Partial Derivatives (Chapter 14)
 - Multiple Integrals (Chapter 15)
 - Vector Calculus (Chapter 16)
10. **TENTATIVE EXAM SCHEDULE:**
- | | | | |
|--------|---------|--------------------------|--------------|
| Test 1 | 100 pts | Friday October 05, 2012 | in class |
| Test 2 | 100 pts | Friday November 16, 2012 | in class |
| Final | 200 pts | Friday December 14, 2012 | 8:00-10:00am |
11. **GRADE DISTRIBUTION:** Each test and homework is worth 100 points and the final is worth 200 points. The test scores and the homework score will be added and a letter grade will be assigned according to the following table.
- | | |
|---|---------------|
| A | 406 - 450 pts |
| B | 361 - 405 pts |
| C | 316 - 360 pts |
| D | 271 - 315 pts |
| F | 0 - 270 pts |
12. **OTHER IMPORTANT DATES:**
- | | |
|----------------------|-------------------------------------|
| November 22-23, 2012 | Thanksgiving holiday |
| November 01, 2012 | Last day to drop a class |
| November 30, 2012 | Last day to withdraw from Fall 2012 |
| December 07, 2012 | Last class day |
13. **MISCELLANEOUS:** Your enrollment in this course indicates that you agree to observe all the conditions and regulations of this syllabus and the Student Handbook. Your test and homework scores may be filed to be used anonymously for educational research.

Students are required to attend every class meeting and be punctual. Policies pertaining to absences, tardiness and scholastic dishonesty are identical to TAMU-Commerce regulations given in the Student Handbook. All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (See Student's Guide Handbook, Policies and Procedures, Conduct). Disruptive behavior (including use of electronic devices in classroom) and scholastic dishonesty in any form will not be tolerated.

Students requesting accommodations for a disability should contact the Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132, Phone: (903) 886-5150 or (903) 886-5835, Fax: (903) 468-8148, or Email: StudentDisabilityServices@tamuc.edu.

Any possible changes to be made in this syllabus by the instructor during the semester will be announced in class.