

## Spring 2015 Texas A & M-Commerce Math 192.003 – Calculu II

This is the syllabus for Math192-Calculus II, Section 003 for the Spring 2015. Please read it carefully. You will be responsible for all information given in the syllabus, and for any modification to it that may be announced in the classes.

**Instructor:** Dr. Yelin Ou

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**Office hours:** MW: 11:00am-12:00 pm, MR: 1:30pm-3:0pm.

**Class schedule and room:** MTWR 10:00am -10:50am, Bin325

Friday:10:00am-10:50am, Bin 325 ([Special session for Problem-Solving](#))

**Text:** *Calculus*, by James Stewart, 7<sup>th</sup> Edition, published by Thompson Learning Inc. Portions of Chapters 6, 7, 8, 10, and 11 in the textbook will be discussed.

**Course Description:** Techniques of integration; applications of the integral; improper integrals; limits involving indeterminate forms; sequences and series; some exposure to multiple integrals; and use of computer technology.

Prerequisite: Math 2413.

**Learning Outcomes:** Upon successful completion of this course, the students will be able to:

1. Understand the concept of inverse functions and use the properties of inverse trigonometric functions and hyperbolic functions;
2. Recognize the indeterminate forms and use the L'Hospital's rule;
3. Use integration techniques including integration by parts, trigonometric substitution, and partial fractions decomposition to evaluate integrals;
4. Use the idea and techniques of integration to solve problems involving arc length and the area of a surface of revolution;
5. Evaluate derivatives and integrals using parametric equations and polar coordinates;
6. Understand the convergence of sequences and infinite series and use Integral Test and Ratio Test.

**Instruction:** Instruction will include lecture, demonstration and models, and some group work, based on time available.

**Computer & supplies:** A graphing calculator (e.g., TI 83) and Using of Mathematica (a computer algebra system available in computers in Math Lab located in 328 Binnon Hall) is helpful but not required for this course.

**Attendance:** Attendance will be checked and it is your responsibility to sign the daily roll sheet. It is your benefit to attend the class.

**Tests:** There will be three midterm and a final exams for the course. The tentative schedules for the exams are:

Test 1: Feb. 12, Thursday 10:00am-10:50am.

Test 2: Mar. 12, Thursday 10:00am-10:50am.

Test 3: April 16, Thursday 10:00am-10:50am.

**Final exam:** The Final exam will be a comprehensive exam and is scheduled on **May 11, Monday, 10:30am – 12:30pm.**

**No makeup** will be given for the tests. If you miss one test with evidence showing that you have an acceptable reason for that, the average of your other two test grades will be used as the grade of your missing test. This provision will only be applied to ONE exam, so students should make every effort to be present and well-prepared for all exams.

**Homework & Quizzes:** Homework will be assigned in every class period. You are strongly recommended to work out homework assignments on a regular basis since **No one can learn mathematics without doing it!** The assigned homework problems will be collected to grade at the beginning of every Thursday's class. **No late homework will be accepted.** Some homework problems or their similar forms will be used as test questions. Pop quizzes are expected from time to time.

**Course grades:** The course grade consists of

Homework & Quizzes:	15%
Three tests :	60%
Final exam:	25%.

The letter grades will be assigned using the following scale:

A: 90-100%   B: 80-89%   C: 70-79%   D: 60-69%   F: 0-59%

**Withdrawal Policy:** Concerning the deadlines and consequences of withdrawals please check on: <http://www.tamuc.edu/admissions/registrar/academicCalendars/>

**Basic Tenets of Common Decency:** “All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (Student’s Guide Handbook, Policies and Procedures, Conduct.) This means that rude and/or disruptive behavior will not be tolerated.

**Academic Integrity:** I have a **NO TOLERANCE** policy for cheating and if you are caught cheating you will fail this course. Cheating in this course includes the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones or text messaging technology during exams or quizzes. You may not use the calculator on your cell phones.
- Improper citations in written works, or using another person's ideas and words as your own without giving proper credit.
- **Any** method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

Students found guilty of an act of academic dishonesty in this course will be subject to receiving an "F" in this course.

**Classroom Behavior:** "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 Guidebook).

**The information for students with disability:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact: 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, email: [StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)

**Getting help:** A better way to learn math is to keep progress and leave no gaps in one's study. So please get help as soon as you need it and do not wait until it is too late. You are welcome to come to me or go to Math Skills Center located in **Bin 328** where you can find free tutors for help. The tutoring hours of Math Skills Center for the current semester are:

**MW: 8am – 8pm, TR: 8am – 6pm, F: 8am – noon.**