

COURSE SYLLABUS FOR MTH 143.04
Calculus II (4 credit hours)
Spring 2008

Instructor: Dr. Jianzhong Wang

Meeting Time: TT 8:00--9:30 & MW 8:00—9:00

Meeting Place: LDB 402 & LDB 415* (LDB 415 is for Lab)

Office/Phone: LDB 417D/ 294-3521, (or call **Math Office** 294-1536)

Email: mth_jxw@shsu.edu

Web: www.shsu.edu/~mth_jxw

Office Hours: MW 9:00-10:00 & TT 9:30-11:00

Textbook: *Thomas' Calculus*, Finney, Weir, and Giordano, Eleventh Edition.

Prerequisite: MTH 163, Plane Trigonometry, MTH 170, Pre-calculus Algebra, and MTH 142, Calculus I with a grade C or better.

Objective: This course provides the students with an understanding of the principles of calculus which are needed to solve problems in mathematics, science, and engineering. The students are also expected to use the graphing calculators to enhance the understanding of the mathematics and expected to master the techniques of using them in solving real-world type applications involving calculus.

Description: This is the second semester course of the series of calculus courses. The previous course is MTH 142 (Calculus I) and the successive course is MTH 242 (Calculus III). Topics of this course include applications of the definite integral, techniques of integration, improper integrals, Taylor's formula, infinite series, and an introduction to differential equations.

Attendance and homework: You are expected to attend every class and to do homework conscientiously. A roll sheet will be distributed each meeting for the purpose of keeping attendance and checking homework. The homework assignment must be turned in on the due day. Otherwise you will get zero credit for your grade of the homework. You are responsible for all missed course material. I will not use valuable office time to deliver individualized lectures to those who do not have a legitimate excuse for missing class.

Tests, Final Exams, and Grade: There will be 3 *tests* and a *final exam*. The final examination is comprehensive. A test can be made up if only the following three conditions are satisfied: (1) you inform me before or on the test day; (2) you show me the official evidence of the excuse for the missing; (3) you have never made up a test for this class before. The make-up test must be scheduled in three working days after the test day. All tests count 51 % (17% each), homework counts 24% (3% each), and the final counts 25%. The grading scale is normal. 90% and up: **A**; 80-89%: **B**; 70-79%: **C**; 60-69%: **D**, 59% and below: **F**. Attendance will adjust your grade up to 3%. **No extra credits** can be earned for the course.

Cheating: Cheating will not be tolerated! I will prosecute cheaters to the fullest extent.

Calculators: The graphing calculator TI-83/84 (or plus) is recommended. It will be used to draw graphs of functions, to solve equations and inequalities; and to do other numerical computations. If you use the graphing calculators other than TI-83/84 (or plus), then you take the response of knowing the usage of your calculators.

Student Syllabus Guideline: You may find a more detailed description of the following policies. These guidelines will also provide you with a link to the specific university policy or procedure: <http://www.shsu.edu/syllabus/>

Academic Dishonesty: Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. See [*Student Syllabus Guidelines*](#).

Classroom Rules of Conduct: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Student are to treat faculty and students with respect. Students are to turn off all cell phones while in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination. Students may tape record lectures provided they do not disturb other students in the process.

Students with Disabilities: It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should visit with the Office of Services for Student with Disabilities located in the Counseling Center. See [*Student Syllabus Guidelines*](#)

Student Absences on Religious Holy Days: Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See [*Student Syllabus Guidelines*](#)

Visitors in the Classroom: Only registered students may attend class. Exceptions can be made on a case-by-case by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.