

COURSE SYLLABUS
MTH 560.02: Applied Analysis
Spring 2008 (3 credit hours)

Meeting Time/Place: MWF 11:00 -- 11:50/ LDB 201

Instructor: Dr. Jianzhong Wang

Office/Phone: LDB 417D / 294-3521

E-mail/Web: jzwang@shsu.edu / www.shsu.edu/~mth_jxw

Office Hours: MW 9:00-10:00, TT 9:30-11:00. If these times are inconvenient for you, please call and make an appointment at another time. You can also use the blackboard on school Web to submit your questions

Textbook: *Advanced Calculus, Third Edition*, R. C. Buck, (Selected Sections)

Objective: The purpose of the course is to introduce students to the fundamental concepts and standard theorem of analysis and the reading ability for mathematical literature on their own. Another goal of the course is to develop the skills of students in presenting mathematical ideas, concepts, and proofs to audience.

Description: Topics include Series, Applications to Geometry and Analysis, Differential Geometry and Vector Calculus, and Numerical Methods

Assignments and Lectures: The assignment is an important part of the course. Each student is required to complete written assignments, to read certain sections and to response the asked questions on class meetings. There are two tests and a final (written) exam for the course.

Grade: The assignments of homework count 30%, two tests count 40% (20% each), and the final counts 30%. No extra credit can be earned for this course. The following is for each letter grade: A 90-100%, B 80-89%, C 70-79%, D 55-69%, F 0-54%.

Academic Dishonesty: All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action at the discretion of the instructor. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Students with Disabilities: It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students

may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling (936) 294-1720. Please bring all the necessary paperwork to the instructor before the end of the first week of classes in order to proceed with the requested accommodations. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until you register with the Counseling Center.

Classroom Rules of Conduct: Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Observation of Holy Days: Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.