

Syllabus for Math 5343 – Topics in Analysis

Spring 2009

Course Information

Meeting Time/Location: 9:00 – 9:50 MWF in RBN 4019

Instructor Information:

Dr. Casey Mann

RBN 4005

cmann@uttyler.edu (preferred method of contact outside of class/office hours)

(903) 566-7449

Office Hours: 8:00 – 8:50, 10:00 – 10:50 MWF or by appointment.

Required Text: Real Analysis (3rd Edition) by H. L. Royden, ISBN 0-02-404151-3

Course Description: This course will cover various topics in real analysis, including L^p spaces and their properties, Banach spaces, general measure and integration theory, and other topics.

Course Prerequisites: MATH 5341 – Real Analysis

Student Learning Outcomes:

- Write proofs of facts in real analysis
- Present topics in real analysis verbally and in writing
- Solve problems in real analysis

Semester Grades: Your grade will be based on the following categories:

- Class participation & attendance (60%). You will be expected to present topics from the book and assigned homework problems in class.
- Midterm Exam (20%)
- Final Exam (20%)

University Policies

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/StudentRightsandResponsibilities.html>

Grade Replacement/Forgiveness

If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the census date (January 26, 2009). Failure to do so will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates will receive grade forgiveness (grade replacement) for only three course repeats; graduates, for two course repeats during his/her career at UT Tyler.

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (January 26, 2009).

Exceptions to the 6-drop rule include, but are not limited to, the following: totally withdrawing from the university; being administratively dropped from a course; dropping a course for a personal emergency; dropping a course for documented change of work schedule; or dropping a course for active duty service with the U.S. armed forces or Texas National Guard.

Petitions for exemptions must be submitted to the Registrar's Office and must be accompanied by documentation of the extenuating circumstance. Please contact the Registrar's Office if you have any questions.

Disability Services

In accordance with federal law, a student requesting accommodation must provide documentation of his/her disability to the Disability Support Services counselor. If you have a disability, including a learning disability, for which you request an accommodation, please contact Ida MacDonald in the Disability Support Services office in UC 282, or call (903) 566-7079.

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

Student Absence for University-Sponsored Events and Activities

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement:

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.