

Eastern Connecticut State University
MAT 420-01, Real Analysis I, Fall 2005

Instructor: Christian Yankov

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Time and Place: MWF 10:00-10:50 am, Library 314

Text: *Analysis with an Introduction to Proof*, Fourth edition, Steven R. Lay.

Additional Reading: *The Math Gene: How Mathematical Thinking Evolved & Why Numbers Are Like Gossip*, Keith J. Devlin. It is strongly recommended to buy and read this book (it is cheap, around \$12.00 in paperback).

Office hours: M 2:00-3:00 pm, WF 2:00-4:00 pm.

Prerequisites: MAT 230 and MAT 244.

Course topics: A rigorous study of the real numbers system including the completeness axiom, limits, sequences, continuity, and uniform continuity. This course fulfills the University's requirement for an upper-division writing-intensive course.

Class format: Each class meeting will consist of a lecture and include related problem solving.

Attendance: It is expected that you be there on time for each and every class. If for some reason you should miss a class, then it is your responsibility to find out from a friend what has been covered and assigned and make it up.

Homework: After each class you will get a homework assignment. It will be collected and graded. I cannot stress enough the importance of doing the homework. In addition to being a substantial part of your grade it is a critical factor in building and reinforcing your knowledge, as well as helping you identify your weak points. Homework should be written neatly on standard letter format paper on one side of the sheet only.

Portfolio: You must collect all your homework assignments in a binder, portfolio style. At the end of the semester you should have a complete set of these. This is a requirement to pass.

Quizzes: Quite often at the beginning of class time there will be a short quiz. This should keep you alert and following the material carefully, closely and timely.

Exams: There will be a midterm exam the date of which will be announced at least a week in advance.

Final Exam: A cumulative final exam will take place on Wednesday, December 14, 2005, 9:00-11:00 am. It may be replaced by a take-home final.

Evaluation: Your work in this course will be weighted roughly as follows. The quizzes will account for 20% of your grade, the homework will account for 25%, the midterm exam will account for 25% and the final exam will account for the remaining 30%.

Grades: The ranges for the grades are the following:

A-, A	90% and above
B-, B, B+	80% - 89%
C-, C, C+	70% - 79%
D, D+	60% - 69%

How to get help: You are encouraged to come see me during office hours, if you have difficulties with the subject matter.

Make-ups: There will be no make-ups for quizzes, since I will drop the lowest one. Make-ups for the midterm exam are strongly discouraged and might be allowed for truly exceptional reasons only, and with my prior permission.

Students with disabilities: If you are a student with a disability and believe you will need

accommodations for this class, it is your responsibility to contact the Office of AccessAbility Services at (860) 465-5573. To avoid any delay in the receipt of accommodations, you should contact the Office of AccessAbility Services as soon as possible. Please understand that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Office of AccessAbility Services. Your cooperation is appreciated.