

Eastern Connecticut State University  
MAT 421-01, Real Analysis II, Spring 2011

**Instructor:** Christian Yankov

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**Web Page:** [www.easternct.edu/~yankovc](http://www.easternct.edu/~yankovc)

**Time and Place:** MWF 10:00-10:50 am, Science 231

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

**Office hours:** MW 8:00-9:00 am, and 1:00-2:00 pm, F 8:00-9:00 am.

**Prerequisites:** MAT 420.

**Course topics:** Limits, continuity and uniform continuity of functions; differentiation and integration of functions; infinite number series; sequences and series of functions.

**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:** Homework should be written neatly on standard letter format paper on one side of the sheet only. By now I believe you understand the importance of doing the homework as a critical factor in building and reinforcing your knowledge, as well as helping you identify your week points and also as a valuable source of in-class discussion.

**Binder:** As in the fall semester, you must collect all your homework assignments in a binder. Put a separator to mark the end of the fall assignments and start adding the spring ones. At the end of the semester you should have a complete set of these for both semesters. 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 regularly, carefully, and closely.

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

**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.

**LAC Tier III Paper:** At the beginning of the semester the class will be divided in groups of 3-4 people. Each group has to write a common paper between 5 to 7 pages long, titled: *Two Important Concepts Introduced in Real Analysis I and II*. You will be given a week to choose what two concepts (1 from Real Analysis I and 1 from Real Analysis II) you will write on, and discuss them with the instructor for approval. This paper should be accompanied by 2-3 page individual reflection pieces by each member of the group, addressing the personal experiences in preparing and writing the paper. You are expected to start your inquiry immediately. The paper will primarily be an exposition of the chosen topics, supported by examples, and/or applications. By the mid-semester each group should demonstrate evidence of their work. The final paper and individual reflections should be submitted 3 weeks before the end of the semester.

**Final Exam:** A cumulative final exam will take place on Friday, May 20, 2011, 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 10% of your grade, the Tier III paper will account for 10% 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%.

*please, turn over*

**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.

**Inclement weather:** For cancellation of classes due to bad weather follow the messages on the university weather hot line at (860) 465-4444, or 1-800-578-1449, or visit the website [universityrelations.easternct.edu/cancellations.htm](http://universityrelations.easternct.edu/cancellations.htm)

Eastern uses also the local radio and TV station broadcasts to announce cancellations. If you are subscribed to Eastern Alert, you should also be notified via that channel.

**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 note 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.

**Academic Misconduct:** Students should read and understand Eastern's Academic Misconduct Policy, which can be found in the student handbook or at the following website:

[kb.easternct.edu/article.aspx?article=1522&p=11](http://kb.easternct.edu/article.aspx?article=1522&p=11)

All violations will be handled under the procedures established in this policy.

**Disclaimer:** The instructor reserves the right to make changes to this syllabus during the semester as necessary.