**Syllabus of Math3321: Intro Real Analysis II**

4 credit hours, Spring 2014

Instructor: Dr. Taixi Xu, Office D-122, email: [txu@spsu.edu](mailto:txu@spsu.edu)

Meetings: 10:00am – 10:50am MTRF in D-204

Office Hours: 2:00pm – 3:15pm MTRF.  
 If you would like to meet the instructor other times, make an   
 appointment by email.

Text Book: Analysis with an Introduction to Proof by Steven R. Lay, 5th edition,   
 Pearson, Jan. 2013. ISBN-10: 032174747X ISBN-13: 978-0321747471  
 Note: additional materials may be used.

Learning Upon completing this course students should be able to:  
Outcomes: 1. Prove the Mean Value Theorem and the Taylor’s Theorem and apply   
 them in approximating functions.  
 2. Know the definition of the Riemann integral, prove elementary   
 properties of the Riemann integral and the Fundamental Theorem of   
 Calculus.  
 3. Describe the pointwise and uniform convergence of series of functions.

Evaluation: There will be three tests worth 100 points each, and a comprehensive final  
exam worth 150 points. Homework will be worth a total of 100 points. The lowest test score will be dropped. 50 points will be reserved for class participation. The grades may be curved to a normal distribution if necessary at the end of the semester.

Grading: Tests: 200 points 90% - 100% Grade A  
Homework: 100 points 80% - 89% Grade B  
Class Participation: 50 points 70% - 79% Grade C  
Final Exam: 150 points 60% - 99% Grade D  
Total: 500 points Below 60% Grade F

Schedule: Exam 1 – Mon. Feb. 10  
Exam 2 – Mon. Mar. 24  
Exam 3 – Fri. Apr. 25  
Final Exam: TBA

Make-ups: Make-ups will only be given at the discretion of the instructor, and   
with a valid excuse (proof documents needed) for the absence. In order to request a make-up you must email the instructor prior to the exam.

Homework: Homework will be assigned regularly and should be turned in on time. No late homework will be accepted. Remember that you cannot learn this subject without doing homework.

Attendance: Regular attendance is essential. You are strongly recommended to attend every class. A signup sheet will be passing around to keep track of attendance. You are responsible for knowing any material discussed and any announcements made in class, whether you are present or not.

Cell Phones: Please turn off all cell phones before class begins. Except in the case of an emergency, cell phone use, including texting, is not permitted in this class.

Honor Code: SPSU has an Honor Code and a new procedure relating to when academic misconduct is alleged. All students should be aware of them. Information about the Honor Code and the misconduct procedure may be found at <http://spsu.edu/honorcode/>

Disability Students with disabilities who believe that they may need   
Statement: accommodations in this class are encouraged to contact the counselor   
 working with disabilities at (678) 915-7226 as soon as possible to better   
 insure that such accommodations are implemented in a timely fashion.

Important Mon. Jan. 6 First Day of Class  
Dates: Thur. Jan. 9 End of Drop/Add  
 Mon. Jan. 20 Martin Luther King Jr. Holiday  
 Tue. Feb. 25 Withdrawal Day  
 Mar. 2 – Mar. 8 Spring Break  
 Mon. Apr. 28 Last Day of Class  
 Wed. Apr. 30 – Tue. May 6 Final Exams