Course Syllabus
MAT3351.01 Intermediate Analysis
Fall 2017
T/Th 10:40-11:55, CA 122

Instructor Information

Contact Information: David Joyner. Office Phone: 720-7382; email: david.joyner@LCU.edu

Office Hours: *Mon*: Noon-1:10; *Tues*: 7:00-8:25, Noon-2:00; *Wed*: 9:05-10:30, Noon-1:10; *Thur*: 7:00-8:25, Noon-1:30. (office hours are also on the class website)

Office Location: Natural Sciences Building, office A.

Course Description: This course will cover proofs of theorems involving sequences, limits, continuity, derivatives and integrals

Prerequisites: MAT 2404 - Calculus 3

Learning Outcomes Preliminary material from sets, functions, sequences and real numbers will be reviewed by the students. Properties of these sets, functions, sequences and real numbers will be proved by the student, then these results will be used by the student to prove basic theorems of limits, derivatives, and integrals.

Required Textbook: Introduction to Analysis by Edward D. Gaughan, 5th Edition, ISBN: 9780821847879

Course Policies:

1. Few students in an advanced Mathematics course can do well without everyday attendance. Examples and questions are provided in abundance during each class meeting. If you miss a lecture, please find another student who was there and who will provide you with a copy of the examples worked on during that lecture.

2. Excused absences may be granted for illnesses, participation in school sponsored events, family emergencies and similar situations. The instructor has the final determination as to whether an absence not described here is excused or not. If a student wishes an absence to be excused, he MUST email the instructor (david.joyner@lcu.edu) giving the reason why the absence should be excused and the date of the absence. This email provides official documentation regarding the absence. No absence will be excused without it. Whenever the student knows about an absence before it occurs, he should contact the instructor by email before the class meeting and make arrangements for make-up work. I will always try to work with the student who contacts me ahead of time regarding an absence. **If no prior arrangements are made, any assignments, quizzes or exams for the absent student will be due and graded as if the student had been in class.**   Whenever the student knows about an absence before it occurs, he should contact the instructor before the class meeting and make arrangements for make-up work. I will always try to work with the student who contacts me ahead of time

regarding an absence. A missed test or assignment is very serious. If a student misses a test or assignment due to an unexcused absence, a zero will be given. If you miss a test or assignment due date because of an excused absence, it is still your responsibility to contact me by email and make arrangements to take the test or turn in the assignment before I grade them and hand them back. After the graded work is returned, it is too late to turn it in and a zero will be given.

       3. Honesty and integrity are vitally important! Every student is expected to maintain the highest standards in these areas. It is always acceptable to help another student learn how to do a task with advice and demonstrations. It is never acceptable to do work for another student, who will turn it in and receive credit for it! If anyone is caught cheating on a homework assignment or quiz, a grade of 0 will be recorded for that grade. If a student is caught cheating on a test, a grade of 0 will be entered for that test. This specific class policy will be enforced according to the 2016-2017 Student Handbook. All cases of cheating will be reported as described in the student handbook.

       4. Assignments and tests must be legible. If illegible work is turned in, it will be counted incorrect.

       5. Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Also, please contact the Disabilities Coordinator in the Office for Disability Services at 806.720.7156 in room 117 CAA to coordinate reasonable accommodations. Be advised accommodations will not be made prior to documentation with the Office of Disability Services.

       6. Students are responsible for tracking their academic progress in this class throughout the semester. Therefore, students with questions about grades are encouraged to contact the instructor. Final grades will be posted on LCU SelfServe at the conclusion of the semester.

       7. Students should refer to the Student Handbook for information regarding the academic integrity policy.

       8. Students may be dropped from classes, at the discretion of the professor, due to excessive absences (i.e., three, six, or nine absences in courses meeting once, twice, or three times per week, respectively, and absences for athletic or school-related participation exceeding 25% of the class meetings and/or laboratory sessions). All absences are included. For elaboration of the absence policy, see the current catalog.

       9. All materials provided in class or recordings of lectures are copyright protected by Lubbock Christian University and the professor. Your use of these materials beyond

Assignments and Grading

      1. Your grade will be based on your average score on homework and exams (including the final exam). Your homework average will count as one exam. I will double the highest of all of these grades to get an average that is 90% of your semester grade.

      2. Homework will be randomly collected and graded (from 3 to 8 times through the semester), or else a quiz over the homework assignment assignment will be given the next class meeting. The average of theses grades will count as one exam.

      2. Class Attendance, tardiness, and participation (10%). This a subjective grade based on the number of absences, tardies, and amount of verbal class participation throughout the semester. Perfect attendance with no tardies and moderate participation will result in a perfect score.

      3. The grading scale is: A = 90 - 100, B = 80-89, C = 70-79, D = 60 69, F = below 60. A non-integer numerical grade will be rounded to the next higher integer (a 79.50 would be an 80 for a B, a 79.49 would be a 79 for a C). I know this doesn't seem quit always fair, but this comes from our traditional way of recording letter grades. There has to be a dividing point. I will under no circumstances ever "budge" a numeric grade up at one of these dividing points. Whatever you make is exactly what you will get. Example: Suppose your quiz/project/programs/hw grades are 82,80,90,92,91,90 and you make a 95 on the final. Suppose your attendance/participation grade is a 100. Your grade will be (82 + 80 + 90 +92 + 91 + 90 + 95 + 95)/8 = 89 x 90% + 100 * 10% = 90 for the course (which would be an "A").

Instructional and Outside Word Estimate

    Face to face time (3 hrs/wk x 15 wks) = 45 hrs

    Chapter and Outside Readings (300 pages) = 12 hrs

    Exam Preparation (5 exams, 8 hrs study time) = 40 hrs

    Assignments (approximately 25 assignments x 2 hours per assignment) = 50 hrs

    Miscellaneous Assignments (extra practice problems, tutor meetings, etc. average of 2 hours each for 5 occurrences) = 10 hours

    Total Time = 157 hrs

ADA Policy: Students with disabilities that require special modifications must inform the instructor no later than the second class period. Appropriate arrangements, if required, will then be made.

Class Outline of Material to be Covered

A tentative class outline will be posted on the class website (www.rejoicealways.net). The official record of assignments and due dates will always be on the website.