

Mathematics 1710.010 Syllabus - Spring 2014

Course Description: This course is designed to give students a basic background in the topics of limits and continuity, derivatives and integrals; differentiation and integration of polynomial, rational, trigonometric, and algebraic functions; applications, including slope, velocity, extrema, area, volume and work.

Learning Objectives: By the end of this course, you will be able to compute 1) limits of algebraic and trigonometric functions; 2) derivatives of most algebraic function; and 3) certain integrals. You will also be able to apply these computational skills to compute 1) tangent lines to curves; 2) areas in the plane; 3) volumes; and 4) solutions to applied problems. In addition to computational skills, you will also gain understanding of the theoretical aspects of limits, derivatives, and integrals.

Prerequisite: Math 1650 or equivalent

Book: Calculus by Briggs, Cochran and Gillett; Second Edition

Professor: Neal Brand

Contact Information: Email: neal@unt.edu Phone: 940-565-4138

Office: GAB 417B

M 3:00-4:50, T 11:30-12:50, W 11:00-11:50, F 12:30-1:50 and by appointment.

Please use these hours to ask questions of your instructor. At other times, your instructor will most likely be busy with other responsibilities, so do not just drop in at other times. If you need to see your instructor at another time, please make an appointment in advance.

Grading and Course Requirements: Grades will be based on three regular exams, homework, projects, quizzes, and a final. The homework is worth three points per assignment for a total of 102 points. Projects are extended homework assignments that require more effort and time than regular homework assignments. The projects are worth 50 points each for a total of 100 points. Quizzes will be given in your recitation section and they will account for 100 points total. Each regular exam is worth 100 points and the final exam is worth 200 points. This gives you a total of 802 possible points. To earn an A it is sufficient to make a total of 720 points, 640 for a B, 560 for a C, and 480 for a D.

Course Evaluation: A short survey will be made available to you toward the end of the semester, providing you a chance to comment on how this class is taught. You are required to go to a web site and complete an evaluation of the course sometime during the open period. The evaluation could take you 10 minutes or less if you just answer the multiple choice questions. If you wish to make specific comments about the course, the instructor or anything else related to this class, you will have the opportunity to type in comments. Although your instructor will receive a list of who completed the evaluation forms, he will not receive any other information about the evaluations until after the grades are turned in. Your instructor will receive no information that would link you to your specific answers or comments. The university, the mathematics department and I take your course evaluation input very seriously.

Exams: The regular exams will be given in class on September 24, October 29 and November 24. The final exam is scheduled for December 10 at 8:00 in the classroom. The exam dates are subject to change, but the final exam date is very unlikely to change.

Homework: Homework will be posted in [MyMathLab](#) and done online. When an assignment is available, it will show up in MyMathLab with the due date. Since MyMathLab is a computer program, it is very picky about getting the homework done on time. So no late homework will be accepted. A separate document including in the class Blackboard page gives directions on how to register in MyMathLab.

Projects: You are expected to turn in neatly written projects that show all essential work. If the grader has trouble reading a project, then the project will be returned with a zero. Please see the document **Homework Expectations** for clarification on what is expected.

Attendance: It is important that you come to class in order to master the material. Although most of what I cover can be found in the book, I will often present a different point of view from the book, give different examples, and hopefully give insight as to why and how things work as well as how to solve problems and compute answers.

Extra Credit: Do not ask for extra credit work to help your grade either before or after the final exam. There will be no extra credit for this course other than perhaps an extra few points on an exam. Your best strategy to help your grade is to do the required work at the time it is assigned.

Cell Phones and Other Electronic Devices: Mathematics builds on itself and if a student misses a concept, then it is difficult to understand what comes next. Consequently, I request that you do not try to multitask by listening to what is going on in class while browsing the web, reading text messages, listening to music or checking your stocks. However, if you are using your computer to take notes or your calculator to compute an answer, that is fine.

Disabilities: The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

Cheating: No cheating will be tolerated. Cheating includes receiving help from anyone or anything that is not specifically allowed on an exam, quiz, or final. For example, calculators are not allowed on exams and using one would constitute cheating. On the other hand, you are encouraged to work together on homework assignments as long as everyone participates and no one just copies the answers. Anyone caught cheating will receive an F for the course. Furthermore, a letter will be sent to the appropriate dean. I expect no cheating in this class. (See the UNT website on academic dishonesty: <http://www.vpaa.unt.edu/academic-integrity.htm>.)

Last Comment: Anything on this syllabus is subject to change at the discretion of the instructor.

Math 1710.010 Fall 2014

Week of	M	W	F
25-Aug	2.1	2.2 and 2.3	2.3 and 2.4
1-Sep	No class	2.5 and 2.6	2.6 and 2.7
8-Sep	3. 1 and 3.2	3.3	3.4
15-Sep	3.5	3.6	3.7
22-Sep	3.8	Exam 1	3.9
29-Sep	Continue 3.9	4.1	4.2
6-Oct	4.3	Continue 4.3	4.4
13-Oct	Continue 4.4	4.5	4.6
20-Oct	4.7	4.8	4.9
27-Oct	5.1	Exam 2	5.2
3-Nov	Continue 5.2	5.3	5.4
10-Nov	5.5	6.1	6.2
17-Nov	6.3	6.4	6.5
24-Nov	Exam 3	6.6	No class
1-Dec	6.7	Review	No class

Final Exam December 10 at 8:00 AM