MATH 1710.624-T, Calculus I

TIME AND PLACE: MTWRF 10:00 - 10:50 am - Phys 116
PROFESSOR: Santiago I. Betelú
OFFICE: GAB 434, TE 54694, e-mail: betelu@unt.edu
TEXT: Calculus, by Briggs and Cochran. OFFICE HOURS: 1:00 - 2:00 MTWR

Attendance policy: Attendance is required. If you miss a class then you must file an absence report.

Grading: Grades will be based on three midterm exams (20 points each), a comprehensive final (30 points) and homework (10 points). To earn an A, 90 points are sufficient, 80 for a B, 70 for a C and 60 for a D.

Exams: Midterm exams will be given in class on Feb 18, March 25 and April 29. The final exam is scheduled on May 13 from 8 to 10. All midterm exams are on the same classroom during the regularly scheduled class time (these dates may change). If you miss an exam for any reason you will receive a 0. No calculators, cellphones or any electronic device are allowed in the exams.

Homework: will be assigned each class, to be completed the following class. The homework must be neat, stapled, show your name, homework assignment and show all intermediate steps. Unclear or late homework will receive zero points.

Disabilities: It is responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office.

Cheating: Will not be tolerated. Anyone caught cheating will receive an F for the course.

Month/days	Subject	Chapters
1/18	definition of limit	2.2
1/19-21	computing limits	2.3
1/22	infinite limits	2.4
1/23	limits at infinity	2.5
1/24-25	continuity	2.6
1/26-31	rigorous definition of limit	2.7
2/1	derivatives	3.1
2/2-3	rules of differentiation	3.2
2/4	product and quotient rules	3.3
2/7-8	derivatives of trig. functions	3.4
2/9-10	rates of change	3.5
2/11-15	chain rule	3.6
2/16-18	review and midterm I	
2/21-22	implicit differentiation	3.7
2/23-24	related rates	3.8
2/25-28	extrema	4.1
3/1-2	graphs and derivatives	4.2-4.3
3/3-4	more graphs	4.3
3/7-8	optimization	4.4
3/9-11	linear approximation	4.5
3/14-15	mean value theorem	4.6
3/16-18	L'Hopital rule	4.7
3/21	antiderivatives	4.8
3/22-25	review and midterm II	
3/28-29	areas under curves	5.1
3/30-31	definite integrals	5.2
4/1	fundamental theorem of calculus	5.3
4/4	working with integrals	5.4
4/5-6	problems	
4/7-8	substitutions	5.5
4/11	velocity and net change	6.1
4/12-14	areas between curves	6.2
4/15	volumes by slices	6.3
4/18-20	method of shells	6.4
4/21-25	lengths of curves	6.6
4/26-29	review and midterm III	
5/2-3	physical problems	6.6
5/4-6	Comprehensive review	
FINAL EXAM	May 13	8-10 am