Math 1441 – Calculus I – Syllabus – Fall 2018

Section S: MW 12:20-1:10 PM – Math/Physics 1305
     TR 12:30-1:45 PM – Math/Physics 1305
Prerequisite: A grade of C or better in Math 1112 or 1113, or equivalent

Instructor: Dr. Xianghong Chen
Email: xchen@georgiasouthern.edu
Office: Math/Physics 3036; (912) 478-5390
Office Hours: MW 4:00-5:00 PM, TR 3:00-4:00 PM
Website: https://sites.google.com/georgiasouthern.edu/xchen

Graduate Assistant: Ben Hamlin (Email: bh04078@georgiasouthern.edu)

Textbook: *Thomas' Calculus: Early Transcendentals (14th Edition),* by J. Hass, C. Heil, and M. Weir
ISBN: 9780134786254 or alternative (should include MyLab Math access)
MyLab Math Course ID: chen71354

Course Description: This is the first of a sequence of courses which present a unified treatment of the differential and integral calculus. Topics include limits, continuity, differentiation, integration, and applications.

Course Objectives: The student will be able to
➢ Demonstrate their understanding of the definitions of limits and continuity
➢ Perform computations of limits and determine continuity
➢ Evaluate derivatives using differentiation rules
➢ Apply derivatives to solve problems of related rates
➢ Apply derivatives to find extreme values and sketch graphs of functions
➢ Evaluate indefinite integrals and definite integrals using integration formulas and properties
➢ Evaluate indefinite integrals and definite integrals using the method of substitution
➢ Understand the definition of definite integrals and apply definite integrals to solve area problems

Grading:

Online Homework	10%	
10 Quizzes	15%	
3 Midterm Exams	15% each	
Final Exam	30%	
Total	100%	

Grading Scale:

100-90	89-80	79-70	69-60	59 or below
A	B	C	D	F

Homework: Homework will be assigned weekly through MyLab Math. The lowest two homework scores will be dropped.

Quizzes/Exams: All quizzes and exams are closed book, no notes, no calculator. No makeups will be given except for tests missed for military service or documented medical emergency. The lowest quiz score will be dropped.

Attendance: Attendance is expected. Students are responsible for the material covered during the missed class.

Important Dates:

Aug 13	Monday	First day of class
Aug 13-16	Mon-Thu	Drop/Add
Sept 3	Monday	Labor Day – no class
Oct 8	Monday	Last day to withdraw without academic penalty
Nov 19-23	Mon-Fri	Thanksgiving Break
Nov 29	Thursday	Last day of class
Dec 4	Tuesday	Final Exam - 12:30 - 2:30 PM

Tentative Schedule (subject to change):

Week 1	Aug 13-17	§1.1-1.3 Review; §2.1
Week 2	Aug 20-24	Quiz 0; §2.2, 2.4; HW 1 due
Week 3	Aug 27-31	Quiz 1; §2.5, 2.6; HW 2 due
Week 4	Sept 3-7	Quiz 2; §3.1, 3.2, 3.3; HW 3 due
Week 5	Sept 10-14	Chapter 2 Review; Midterm 1; §3.3 cont., 3.5; HW 4 due
Week 6	Sept 17-21	Quiz 3; §3.6, 3.7; HW 5 due
Week 7	Sept 24-28	Quiz 4; §3.4, 3.10, 3.8; HW 6 due
Week 8	Oct 1-5	Quiz 5; §4.1, 4.2; HW 7 due
Week 9	Oct 8-12	Chapter 3 Review; Midterm 2; §4.3, 4.4; HW 8 due
Week 10	Oct 15-19	Quiz 6; §4.4 cont., 4.6; HW 9 due
Week 11	Oct 22-26	Quiz 7; §4.8, 5.1, 5.2; HW 10 due
Week 12	Oct 29-Nov 2	Chapter 4 Review; Midterm 3; §5.3, 5.4; HW 11 due
Week 13	Nov 5-9	Quiz 8; §5.4 cont., 5.5; HW 12 due
Week 14	Nov 12-16	Quiz 9; §5.6; HW 13 due
	Nov 19-23	Thanksgiving Break
Week 15	Nov 26-30	Quiz 10; Optional topics; Chapters 2-5 Review; HW 14 due
Exam Week	Dec 3-6	Final Exam: Tuesday, Dec 4, 12:30-2:30 PM

The course covers a lot of material quickly. It is important for you to keep up. If you find yourself falling behind or getting confused, act immediately to catch up. Take advantage of the instructor's and GA's office hours, as well as other campus resources (see below).

Additional Help:
- The Department of Mathematical Sciences offers free tutoring in Math/Physics 3000. Hours of operation are M-R: 8 AM-6 PM, F 8 AM-2 PM.
- The Academic Success Center (ASC) offers free peer-tutoring. See http://academics.georgiasouthern.edu/success/tutoring/

Academic Dishonesty Policy: Any student who exhibits academic dishonesty in any form will receive a failing grade (F) for the entire course and will be reported to the University Judicial Officer. For more information, see the Student Conduct Code at: https://students.georgiasouthern.edu/conduct/
Civility Statement: See the Student Conduct Code at the URL above.
Disability Policy: See https://students.georgiasouthern.edu/sarc/