

Analytic Geometry and Calculus I
Math 220, Summer 2009

Coordinator: Tej Shrestha, CW 128(email:tej@math.ksu.edu)

Useful website: https://www.math.ksu.edu/main/course_info/oldtests/220tests
http://www.math.ksu.edu/main/course_info/help/helpsche.pdf

Text book: Calculus, James Stewart, ISBN: 0-495-73978-2

Objectives: After this course, students should understand relative change of dependent variable with respect to the change on independent variables, meaning of limits, determinate and indeterminate forms and their use on dealing with limit problems, rates and derivatives and their use in daily life problems, meaning of anti-derivative and its applications on evaluation of area under a curve between two ordinates and x-axis, volume of revolution of segment of a curve about given axis.

Procedure: There will be two hours meeting everyday, Monday through Friday. Each meeting will be a combination of lecture and recitation. You are strongly suggested to read the assigned material to be covered before coming to class, so that you will have an idea about what to discuss.

Office Hours: Recitation instructor will announce his/her office hours in class.

Homework: Homework is due at 6 PM in the box next to Cardwell 120 in the hallway labeled under your instructor's name. The assignments and due dates are listed in the Homework page. You need to write your name as it appears on the class roster, instructor's name and your class time clearly. To get full credit, you need to show all your work clearly. **No late homework will be accepted and no make up homework.**

Grading: You can earn 600 points in this course. Your instructor will administer the exams. All exams will be in your class at class time. There will be two one-hour midterm exams worth 100pts each and a 1:50hrs final worth 200pts. There will be 8 homework worth 160pts (plus 10pts bonus) and 40pts for recitation. The recitation points could be divided into attendance, class participation and boardwork as your instructor's wish.

Note: Just missing class or exam does not deserve grade I. If you miss or expect to miss one midterm exam under unavoidable circumstances (need to show acceptable proof), you need to inform your instructor, and have to get an excuse from him/her. If you are able to get an excuse from one mid-term, you may get the same score as the other mid-term exam you appeared/will appear. It means, if you missed two mid-terms or the final, you will get grade F for the course. If you face any problems in the middle of the semester which prevents you from completing the course, you should inform your instructor and can request for grade I. But under this condition, it is your full responsibility to do all course works in Fall 2009 and inform your instructor about your progress in a timely manner. If you fail to do so, you will be awarded grade F.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punishable by failure on the exam, failure in the course and /or expulsion from the University.

Disabilities: If you have any condition such as a physical or learning disability which may prevent from carrying out the work as I have outlined or require academic accommodations, let me know within the first week of the class.

Help: For help session time and room check the help hour website and take the benefit of it. For individual tutor for the course, you can locate through the Math Department.

Class schedule

Date	Section	Practice Problems #	Homework Problems	Due date (5PM)
Jun 8 th Mon	1.1	2,13,19,26,27,33	2, 19, 33	HW1(20)
	1.2	1,5,12,13	1,5, 13	
Jun 9 Tue	1.3	3,4,9,12,15,17,35,42,47	3,4,15,35, 47	
	1.6	5,6,16,24,50,63	5, 24, 63	
Jun10 Wed	2.2	7,15,19,20,23,26	7, ,20, 26	
Jun 11 Thu	2.3	2,3,4,6,15,18,22,27,48	2, 15, 22,27	
Jun 12 Fri	2.5	3,7,16,17,18,20,45,47	3,16,18, 45,47	HW2(20)
Jun15 Mon	2.6	4,16,17,18,23,30	4, 17, 23,30	
Jun 16 Tue	2.7	5,6,8,9,18,26	5, 8, 18,26	
Jun 17 Wed	2.8	2,8,9,15,16	2,8,15	
Jun 18 Thu	3.1	8,17,24,25,30,49	8, 24, 30,49	HW3 (20+5)
Jun 19 Fri	3.2	3,6,9,31	3, 9,31	
Jun 22 Mon	3.3	2,7,11,16,21,30,37,40	2,7,16,21, 40	B#43(3.6)
	3.4	3,6,12,18,23,26,41	6,12,23,41	
Jun 23 Tue	3.5	3,5,22,24,30,31,33,53	3,5,24,30,53	
Jun 24 Wed	3.6	4,7,11,15,26,41,43	4,7, 15, 41,43	
Jun 25 Thu	Review			
Jun 26 Fri	Exam 1			
Jun 29 Mon	3.7	8,9,14,25,27,29,49	8, 14, 27, 49	HW4(20)
Jun 30 Tue	3.9	2,5,6,14,17,26	2,5,14,17,26	
Jul 1:Wed.	3.10	3,8,9,11,19,24,34	3,8,11,19, 34	
Jul2 Thu	3.11	10,12,17,21,35,41	10,17,21,41	
Jul 3 Fri	University Holiday			
Jul 6 Mon	4.1	20,29,33,39,51,58,60	20,29,39,51,60	HW5(20)
Jul 7 Tue	4.2	4,5,12,14,17,32	4,5, 14,17,32	
Jul 8 Wed	4.3	7,8,13,16,27,46,60	7,13,16,27, 60	
Jul 9 Thu	4.4	7,21,29,49,51	7,21,29,49	
Jul 10 Fri	4.5	6,8,10,17,19,34,37,42	6,10,17,34,42	HW6 (20+5)
Jul 13 Mon	4.7	12,16,28,29,30,34,41,69	12,16,29,34,41	

Jul 14 Tue	4.8	5,13,19,21	5,13,19,21	EC
Jul 15 Wed	4.9	1,11,16,18,29,33,65,79	1,11,18,29,79	#79(4.10)
Jul 16 Thu	Review			
Jul 17 Fri	Exam 2			
Jul 20 Mon	5.1 5.2	3,5,12,17 21,37,39,47,48,49	3,5,12,17 21,37, 47, 49	HW7(20)
Jul 21 Tue	5.3	5,7,9,22,24,31,35	5,7,9, 24, 35	
Jul 22 Wed	5.4	1,7,8,11,17,20,26	1,7, 11, 20,26	
Jul 23 Thu	5.5	2,3,9,23,25,37,41,58,59	3,9,23,37, 58	
Jul 24 Fri	6.1	1,4,18,21,23,25,28,45	1,4, 21, 25,28,45	HW8(20)
Jul 27 Mon	6.2	2,6,9,13,16,48	2,6,9,13,16,48	
Jul 28 Tue	6.3	5,6,12,19,20,22	5,6,12,19, 22	
Jul 29 Wed	6.4 6.5	8,12,22 3,5,9,14	8,12,22 3,5,9,14	
Jul 30 Thu	Review			
Jul 31 Fri	Final Exam review			

I reduced the number of homework problems to be handed in from a list of practice problems, but you need to solve at least all the practice problems to understand the materials of the course.