

MATH 203 REVISED SYLLABUS OF SPRING 2020

Text: Adams & Essex; Calculus, a Complete Course, 9th Edition

Week #	Class Days	Sections from book	TOPICS
Week 1	Jan 27 - 31	Sec 10.1, 10.2	3D coordinate system, vectors, dot product, cross product; triple product
Week 2	Feb 3 - 7	Sec 10.3, 10.4	Equations of lines and planes
Week 3	Feb 10 - 14	Sec 11.1, 11.3, 11.4, 10.5	Vector functions and space curves, tangent and normal vectors, Quadratic surfaces
Week 4	Feb 17 - 21	Sec 10.5, 12.1, 12.3	Quadratic funct, Several variables, partial derivatives, tangent planes, linear approx.
Week 5	Feb 24 - 28	Sec 12.4, 12.5,	Higher order derivatives, The chain rule
Week 6	Mar 2 - 6	Sec 12.7, 12.8	Gradients and directional derivatives, implicit functions
MIDTERM I: MARCH 9 MONDAY AT 17:00 - 18:15 30 % of total			
Week 7	Mar 9 – 13	Sec 13.1	Local extreme values, Quadratic Approximation
VIRUS BREAK			
Week 8	Mar 30 – Apr 3	Sec 13.2, 13.3	Lagrange multipliers, Absolute extreme values
Week 9	Apr 6 – Apr 10	Sec 14.1, 14.2	Double integrals, Double integrals in polar coordinates
Week 10	Apr 13 – 17	Sec 14.4, 14.5	Cylindrical and spherical integrals
Week 11	Apr 20 - 24	Sec 14.6, 15.5	Surfaces and Surface Areas
Week 12	Apr 27 – May 1	Sec 15.1, 15.2, 15.3, Sec 15.4	Vector fields, conservative fields, line integrals
Week 13	May 4 - 8	Sec 15.6, 16.1, 16.2, 16.3	Flux integrals Gradient, divergence and curl, Green's theorem
Week 14	May 11 - 15	Sec 16.4, 16.5	Divergence theorem, Stokes' theorem Review and prep for exam
Week 15	May 18 - 22		Precaution in case of extension

OFFICE HOURS: May be possiblities by emails. Details will be announced

Math 203, SPRING 2020 Revised Regulations

Prerequisite: passing grade in Math 106.

Evaluation method:

- Students will be evaluated according to their performance in the Midterm 1, HW and Final exam.
- The final exam will be comprehensive covering all the subjects in the course.
- The contribution to the course grade of the 1st midterms is 30% , HW 10 % and Final exam 60%. If the Final Exam grade is significantly high or significantly low, the letter grade will reflect this performance.
- The PS problems will considered as HOMEWORK. You will submit the solution of one assigned problem during the indicated period to the email address that will be announced each week. They will be graded and will count for 10%.
- The nature of the FINAL exam will be announced by the University as the health alarms become clear.

Attendance:

- Students are strongly advised to attend all the ONLINE lectures and study the solutions of the assigned problems that will be posted each week.
- The ONLINE lectures will be given during the same weekly hours as in the schedule. You may attend any or up to all of the ONLINE lectures.

Policy for makeup exams:

- If a student missed Midterm 1 and has a valid medical report or an excuse accepted by the Dean's office, he/she will have right to a makeup exam for the missed Midterm 1 exam. This makeup will be part of the FINAL. In this case, the student will be graded at 90 % by the FINAL.
- Under the same conditions as for the midterm, a makeup will be given to those who miss the final exam.

Academic Honesty:

- Academic honesty is essential. If a student is caught cheating in an exam, he/she will be punished according to the YÖK regulations. These consist of one or two semesters of prohibition from attending the university.

**FURTHER REVISIONS OF THIS SYLLABUS MAY BE POSSIBLE
AS TIME PROGRESSES**