

Math 314 — Matrix Theory

Course Syllabus, Fall 2010

The following syllabus shows the material expected to be covered and the corresponding tentative problem assignments for each week of the semester. Note that what is shown here is approximate; I may announce changes throughout the semester.

Week of	Section	Recommended Exercises
August 23	1.1	3,5,11,12,15,17,18,21
	1.2	3,5,6,19,26,41,43,49,64,69
August 30	1.3	3,6,7,9,10,11,13,27,29,47,48
	2.1	3,5,7,9,11,13,15,23,25,29,31,35,41
	2.2	3,5,7,9,11,13,17,23,25,33,35,36,37,43,47,49
September 6	<i>Labor Day</i>	
	2.3	1,2,3,7,9,15,17,19,23,24,27,29,33,42,43
	2.4	selected topics — exercises to be determined
September 13	2.5	1,3,5,15,17,22,23
	3.1	3,5,7,13,14,17,18,19,20,21,22,23,29,39
September 20	3.2	3,4,7,11,15,22,23,26,27,36
	3.3	3,11,13,17,19,23,25,27,33,35,39,43,49,53,57
September 27	3.4	1,3,5,7,9,17
	3.5	4,5,7,11,15,17,18,21,28,29,31,35,39,41,43,46,51,57
October 4	Midterm Exam 1	
	3.6	1,5,9,11,12,13,15,17,18,20,21,23,24,31,37,38,39
October 11	3.7	selected topics — exercises to be determined
	4.1	5,6,9,10,11,13,15,17,25,26,27,28,37
	<i>Friday, October 15 is the last day to change to P/NP</i>	
October 18	<i>No classes Monday–Tuesday, October 18–19 — Fall Break</i>	
	4.2	1,9,13,23,25,27,29,33,35,37,45,47,49,51,53
	4.3	1,2,5,8,11,12,17,18,19,20,21,24
October 25	4.4	1,3,5,7,9,13,15,17,18,21,25,34,37,39,41,43
	4.5	1,3,5,7,9,14,16,17,25
	4.6	selected topics — exercises to be determined
November 1	5.1	1,5,9,13,17,19,20,26,37
	5.2	1,3,6,7,9,11,12,16,17,21,25,29
November 8	<i>Friday, November 12 is the last day to withdraw from one or more courses</i>	
November 15	5.3	1,4,5,6,7,8,9,11,12
	5.4	3,5,13,14,23
	5.5	selected topics — exercises to be determined
November 22	<i>No classes Wednesday–Friday, November 24–26 — Thanksgiving Break</i>	
	Mid-term Exam II	
November 29	7.2	2,3,5,6,9,10,11,12,13,15,16,21,23,27,33,34
	7.3	7,8,11,12,19,20,23,25,26,29,32
December 6	7.4	3,5,7,11,15,17,23,27,28,29,37,43,45,47,51,57
Final Exam	10am–12noon on Monday December 13	