

# Math 314 — Matrix Theory

## Course Syllabus, Summer 2011

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. Check out our class page for syllabus update.

Week	Section	Recommended Exercises
1	1.1	3,5,11,12,15,17,18,21
	1.2	3,5,6,19,26,41,43,49,64,69
	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
	2.3	1,2,3,7,9,15,17,19,23,24,27,29,33,42,43
	2.4	1,5,8,9,11,15,17
	Midterm Exam 1	
2	3.1	3,5,7,13,14,17,18,19,20,21,22,23,29,39
	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
	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
	3.6	1,5,9,11,12,13,15,17,18,20,21,23,24,31,37,38,39
	Midterm Exam 1	
3	3.7	selected topics — exercises to be determined
	4.1	5,6,9,10,11,13,15,17,25,26,27,28,37
	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
	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	4.6	selected topics — exercises to be determined
	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
	5.3	1,4,5,6,7,8,9,11,12
	5.4	3,5,13,14,23
	Mid-term Exam II	
5	5.5	selected topics — exercises to be determined
	6.3	1,2,3,4,15
	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
	7.4	3,5,7,11,15,17,23,27,28,29,37,43,45,47,51,57
Final Exam		