

MATH 3220 (Discrete Structures II), Spring 2021

Instructor: James Propp

Office: Olney 428C

Subject to change with notice

You are expected to come to class prepared, that is, having read the assigned sections and having thought about the assigned problems; your section summaries are also due that day. E.g. your summaries of sections 9.1 and 9.2 are due by 2pm the day of Lecture #2.

Lec. Date	Sections to read	Problems to prepare
1 Tuesday, 1/26	No assignment	None
2 Thursday, 1/28	9.1, 9.2, review.pdf	9.1.6, 9.1.9(a), 9.2.3
3 Tuesday, 2/2	9.3, 9.4	9.3.1, 9.3.4(a), 9.4.2, 9.4.3, 9.4.4
4 Thursday, 2/4	9.5 (skim), 9.6	9.6.3, 9.6.14(a)
5 Tuesday, 2/9	10.1, 10.2	10.1.4(a), 10.2.4(a)
6 Thursday, 2/11	10.3, 10.4 (omit Kruskal)	10.4.1(abc), 10.4.3(abc), 10.4.4
..... Tuesday, 2/16	NO CLASS	
7 Thursday, 2/18	11.1	11.1.3, 11.1.5
8 Tuesday, 2/23	11.2, 11.3, mod.pdf, star.pdf	11.2.3, 11.2.6, 11.3.1
9 Thursday, 2/25	11.4, 11.5, cong.pdf, gcd.pdf	11.4.4, 11.5.1, 11.5.2
10 Tuesday, 3/2	11.6 (skip Ex. 11.6.9)	11.6.1, 11.6.5
11 Thursday, 3/4	Review of chapters 9-10	First practice exam
12 Tuesday, 3/9	11.7, isomorphism.pdf	11.6.6, 11.7.1
13 Thursday, 3/11	Review of 11.7, order.pdf	11.7.4, 11.7.10
14 Tuesday, 3/16	12.1,12.2	12.1.2(b,d,e), 12.1.3(a,b), 12.2.3(d,e)
15 Thursday, 3/18	12.3, vectors.pdf	12.3.5, 12.3.13
16 Tuesday, 3/23	12.4, eigen.pdf	12.4.3, 12.4.5
17 Thursday, 3/25	12.5, 12.6	12.5.2(a), 12.5.3, 12.5.5, 12.6.1
18 Tuesday, 3/30	13.1	13.1.1
19 Thursday, 4/1	Review of chapter 11	Second practice exam
20 Tuesday, 4/6	13.1	13.1.6
21 Thursday, 4/8	13.2	13.2.2, 13.2.4
22 Tuesday, 4/13	13.3, 13.4, boolean.pdf	13.3.3, 13.4.5
23 Thursday, 4/15	15.1, crt.pdf	15.1.6(a), 15.1.9
24 Tuesday, 4/20	15.2	15.2.1, 15.2.3
25 Thursday, 4/22	15.3, 15.4	15.3.1, 15.4.1
26 Tuesday, 4/27	15.5	15.5.1, 15.5.3
27 Thursday, 4/29	REVIEW	Third practice exam