

MATH 3220 (Discrete Structures II), Fall semester 2019

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 in class the day of Lecture #2.

| Lec. # | Date | Sections to read | Problems to prepare |
|---------------|-----------------|-----------------------------|--|
| 1 | Thursday, 9/5 | No assignment | None |
| 2 | Tuesday, 9/10 | 9.1, 9.2 | 9.1.5, 9.1.6, 9.1.9(a), 9.2.3 |
| 3 | Thursday, 9/12 | 9.3, 9.4 | 9.3.1, 9.3.4(a), 9.4.2, 9.4.3, 9.4.4 |
| 4 | Tuesday, 9/17 | 9.5 (skim), 9.6 | 9.6.3, 9.6.14(a) |
| 5 | Thursday, 9/19 | 10.1, 10.2 | 10.1.2, 10.1.4(a), 10.2.4(a) |
| 6 | Tuesday, 9/24 | 10.3, 10.4 (omit Kruskal) | 10.4.1(abc), 10.4.3(abc), 10.4.4 |
| 7 | Thursday, 9/26 | 11.1 only | 11.1.3, 11.1.5 |
| 8 | Tuesday, 10/1 | 11.2, 11.3, cong.pdf | 11.2.3, 11.2.5, 11.3.2 |
| 9 | Thursday, 10/3 | 11.4, 11.5, gcd.pdf | 11.4.2, 11.4.4, 11.5.1, 11.5.2 |
| 10 | Tuesday, 10/8 | 11.6 only (skip Ex. 11.6.9) | 11.6.5, 11.6.6 |
| 11 | Thursday, 10/10 | 11.7, isomorphism.pdf | 11.7.1, 11.7.10 |
| | Tuesday, 10/15 | NO CLASS | |
| 12 | Thursday, 10/17 | Review | First practice exam |
| 13 | Tuesday, 10/22 | EXAM | |
| 14 | Thursday, 10/24 | 12.1,12.2 | 12.1.2(b,d,e), 12.1.3(a,b), 12.2.2(a) |
| 15 | Tuesday, 10/29 | 12.3, vectors.pdf | 12.3.5, 12.3.9(f), 12.3.13 |
| 16 | Thursday, 10/31 | 12.4, eigen.pdf | 12.4.3, 12.4.5 |
| 17 | Tuesday, 11/5 | 12.5, 12.6, fib.pdf | 12.5.3, 12.5.4, 12.5.5, 12.6.1 |
| 18 | Thursday, 11/7 | 13.1 only | 13.1.1, 13.1.3, 13.1.4, 13.1.6 |
| 19 | Tuesday, 11/12 | 13.2 only | 13.2.2, 13.2.3, 13.2.4 |
| 20 | Thursday, 11/14 | 13.3, 13.4, boolean.doc | 13.3.1, 13.3.3, 13.3.5, 13.4.1, 13.4.5 |
| 21 | Tuesday, 11/19 | 13.5, 13.6, 13.7 | 13.5.1, 13.5.3, 13.6.1(c) |
| 22 | Thursday, 11/21 | 15.1, 15.2 | 15.1.5, 15.1.6(a), 15.2.1, 15.2.3, 15.2.6(a) |
| 23 | Tuesday, 11/26 | 15.3, 15.4 | 15.3.1, 15.3.5, 15.4.1 |
| | Thursday, 11/28 | NO CLASS | |
| 24 | Tuesday, 12/3 | 15.5, 16.1 | 15.5.1, 15.5.3, 16.1.7 |
| 25 | Thursday, 12/5 | 16.2, 16.3, 16.4 | 16.2.5, 16.2.7, 16.3.5, 16.4.4 |
| 26 | Tuesday, 12/10 | ? | To be decided |
| 27 | Thursday, 12/12 | REVIEW | Second practice exam |