

Week	Date	Topics	Reading	Homework/Quiz Problems
1	Jan 16 Jan 18	Logic & Sets	§1.1–5	HW 1, due Jan 24: §1.1: 6, 8, 14, 20, 26. §1.2: 6, 12, 24. §1.3: 10, 12, 24, 34. §1.4: 6, 10, 14. §1.5: 20, 38, 46.
2	Jan 23 Jan 25	Functions & Algorithms	§1.6–8, §2.1–2	HW 2, due Jan 31: §1.6: 8, 12, 22, 24, 28, 58. §1.7: 6, 20, 22, 36. §1.8: 8, 10, 18, 60. §2.1: 2, 4, 18. §2.2: 4, 6, 8.
3	Jan 30 Feb 1	Integer Algorithms	§2.3–6	HW 3, due Feb 7: §2.3: 10, 12, 14, 16, 18, 28, 32. §2.4: 2, 4, 16, 32. §2.5: 4, 6, 14, 18, 22, 24, 36. §2.6: 24, 28, 36.
4	Feb 6 Feb 8	Mathematical Reasoning	§3.1–4	HW 4, due Feb 12: §3.1: 6, 12, 16, 30, 42, 68. §3.2: 4, 6, 14, 32, 44, 48, 58. §3.3: 6, 16, 22, 54, 60.
5	Feb 13	Review	Chaps. 1–3	
First Midterm: February 15				
6	Feb 20 Feb 22	Counting	§4.1–3, §4.6	HW 5, due Feb 28: §4.1: 6, 18, 22, 40, 44, 48, 56. §4.2: 6, 8, 12, 18, 22. §4.3: 16, 20, 24, 40, 50. §4.6: 10, 14, 16, 40.
7	Feb 27 Mar 1	Probability I	§4.4–5	HW 6, due Mar 7: §4.4: 6, 10, 16, 22, 28, 32, 34, 36. §4.5: 2, 6, 8, 12, 16, 20, 32, 36, 38, 40, 44.
8	Mar 6 Mar 8	Probability II	Lenstra	HW 7, due Mar 14: Lenstra: 1–13, 16, 20.

Week	Date	Topics	Reading	Homework/Quiz Problems
9	Mar 13 Mar 15	Recurrence	§5.1–3	HW 8, due Mar 21: §5.1: 2, 6, 10, 18, 34, 38. §5.2: 4, 22, 24, 36, 40. §5.3: 8, 12, 14, 16.
10	Mar 20 Mar 22	Generating Functions & Inclusion–Exclusion	§5.4–5	HW 9, due Apr 2: §5.4: 2, 8, 10, 30, 32, 44, 58. §5.5: 2, 6, 10, 12, 14, 24. §5.6: 4, 6, 8.
Spring Recess Mar 26–30				
11	Apr 3	Review	Chaps. 1–5	
Second Midterm: April 5				
12	Apr 10 Apr 12	Relations I	§6.1–3	HW 10, due Apr 18: §6.1: 2, 4, 14, 22, 24, 26, 34. §6.2: 2, 6, 8. §6.3: 2, 4, 8, 10, 14.
13	Apr 17 Apr 19	Relations II	§6.4–6	HW 11, due Apr 25: §6.4: 2, 4, 6, 10, 12, 16, 26. §6.5: 2, 6, 10, 12, 14, 18, 26. §6.6: 2, 4, 16, 24, 28, 32.
14	Apr 24 Apr 26	Graphs I	§7.1–3	HW 12, due May 2: §7.1: 2, 4, 6, 8, 10, 14. §7.2: 2, 4, 8, 12, 16, 20. §7.3: 4, 8, 12, 20, 38, 44, 58.
15	May 1 May 3	Graphs II	§7.4–6	HW 13, due May 7: §7.4: 2, 4, 14, 30. §7.5: 14, 20, 32, 36, 44, 52, 64. §7.6: 4, 12, 24.
16	May 8	Review	Chaps. 1–7	
Final Exam: May 11, 12:30–3:30				