Final Exam Syllabus, Practice Exercises

“Supplements” are on the course web page.

1.1 See Supplement to Section 1.1. Exercises from 1.1: 1(a)–(c), 6(d)–(f), 7, 9.
1.2 Skip Generators and Relations through the rest of the section.
1.3 Exercises from 1.3: 6, 7.
1.4 Exercises from 1.4: 2, 4, 8, 11.
1.5 Exercises from 1.5: 1, 2.
1.6 Exercises from 1.6: 1, 2, 4, 10, 18, 19.
1.7 Exercises from 1.7: 3, 8, 11, 17.

2.1 See Supplement to Section 2.1. Exercises from 2.1: 2(a), 6, 10.
2.2 Exercises from 2.2: 3, 6, 14.
2.3 See Supplement to Section 2.3. Exercises from 2.3: 1, 2, 10, 13, 24.
2.4 Exercises from 2.4: 2, 3, 6, 14.
2.5 Exercises from 2.5: 6(c), 9.

3.1 See Supplement to Section 3.1. Exercises from 3.1: 1, 6, 8, 11, 14(a)(b), 22, 28, 30, 35.
3.2 See Supplement to Section 3.2. Exercises from 3.2: 1, 4, 6, 7, 8, 18.
3.3 See Supplement to Section 3.3. Exercises from 3.3: 7.
3.4 Skip
3.5 Know results. Exercises from 3.5: 1, 2, 9, 15.
4.1 See *Supplement to Sections 4.1–4.3*. **Exercises from 4.1:** 1, 2, 7, 9.

4.2 **Exercises from 4.2:** 8, 12, 13.

4.3 Skip *Conjugacy in $S_n$* through rest of section. **Exercises from 4.3:** 5, 6, 10, 13, 25, 30.

4.4 Skip *Proposition 17* through the rest of the section. **Exercises from 4.4:** 1, 6, 7, 13.

4.5 Skip *Examples*, except the one on groups of order $pq$. **Exercises from 4.5:** 1, 6, 13, 15, 30.

4.6 See *Supplement to Section 4.6*.

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5.1 **Exercises from 5.1:** 1, 4, 18.

5.2 **Exercises from 5.2:** 1(a)(e), 2(a)(c), 3(a)(c), 6, 9.

5.3 Skip section.

5.4 Skip *Proposition 8* and *Examples* of the section. **Exercises from 5.4:** 1, 2, 4, 5, 11, 15, 20.

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6.1 Know definitions only. **Exercises from 7.1:** 1, 4, 6, 12, 13.

6.3 **Exercises from 6.3:** 5, 6. Know results.

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7.1 **Exercises from 7.1:** 2, 4, 5, 7, 9, 14, 15, 21.

7.2 See *Supplement to Sections 7.2*. **Exercises from 7.2:** 3, 4, 5, 12.

7.3 **Exercises from 7.3:** 1, 5, 6, 11, 12, 15, 19.

7.4 **Exercises from 7.4:** 1, 5, 8, 15.

7.5 **Exercises from 7.5:** 1–5.

7.6 **Exercises from 7.6:** 1–4.

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8.1 See *Supplement to Sections 8.1–8.3*. **Exercises from 8.1:** 1–3, 4(a), 6.

8.2 Omit *Proposition 9*. **Exercises from 8.2:** 1–3, 7.

8.3 Skip *Corollary 16* to end of section. **Exercises from 8.3:** 1, 2.

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9.1 Exercises from 9.1: 4–6, 13.
9.2 Exercises from 9.2: 1–4, 8.

10.1 Exercises from 10.1: 1–9.
10.2 Exercises from 10.2: 1–3, 8.
10.3 Exercises from 10.3: 1–5.

12.1 Skip