Hour 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*.

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.