

## AMSISS07: Lie Algebras Information Sheet

**Lecturer:** Dr Anthony Henderson

**Office:** Carslaw 805

**Consultation hour:** Tuesdays 1-2pm

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**Text:** my own lecture notes, available for \$14 from KopyStop, 55 Mountain St off Broadway. See the bibliography section for other references, which can be found in the Mathematics Library on level 8 of the Carslaw building.

**Tutorials:** The plan is to discuss the following exercises.

- Week 1, Friday 2-3pm, Carslaw 175: 2.18, 2.19, 3.36
- Week 2, Wednesday 8-9am, Carslaw 175: 4.26, 4.27, 4.29
- Week 3, Wednesday 4-5pm, Carslaw 350: 6.25, 6.26, 6.27, 6.29, 7.35
- Week 4, Wednesday 4-5pm, Carslaw 350: 8.28, 8.29, 8.30, 9.38, 9.39

**Assignment:** (20% of the assessment) due at the lecture on **Tuesday, Week 3**, or beforehand to Carslaw 805. The assignment consists of the following exercises:

2.17, 3.35, 4.28, 5.18.

You are allowed (indeed encouraged) to discuss the assignment questions with other students, but the work you hand in must be your own.

**Exam:** (80% of the assessment) held in the lecture-time on **Thursday, Week 4**, 9-11am in Carslaw 275. Please be on time. All the material in the lecture notes (including exercises) **up to the end of Chapter 9** is examinable. The exam is **open-book** in the sense that you may bring in your copy of the lecture notes together with any other notes that you have made, but not other books or printed material. The questions will be similar in spirit to the exercises (but of course easier because of the time constraint).