1. Reading
Read carefully S&G Sections 3.3, 5.4, and 6.2 on the motions of stars in spiral and elliptical galaxies.

Skim through the rest of S&G Chapters 5–8 and pick one section to study carefully, among the following choices:

- **Photometry of Spiral Galaxies**: S&G Sec. 5.1 and problems 5.1 and 5.4.
- **Masses of Disk Galaxies**: S&G Sec. 5.3 and problems 5.8 and 5.10.
- **Groups of Galaxies**: S&G Sec. 5.6 and problems 5.16 and 5.17.
- **Photometry of Elliptical Galaxies**: S&G Sec. 6.1 and problems 6.2 and 6.6.
- **Clusters of Galaxies**: S&G Sec. 6.5 and problems 6.24 and 6.27.
- **Large-Scale Structure**: S&G Sec. 7.1 and problems 7.5 and 7.6,
- **Active Galactic Nuclei**: S&G Sec. 8.1 and problems 8.3 and 8.5. You may skip Sec. 8.1.6.

**Note**: only one student per section – sign up early!

2. Problems
Do S&G problems 3.17, 3.18, 5.12, and 6.9. In Prob. 3.17, make sure to sketch the effective potential.

Do the two assigned problems from the additional section you have chosen to read carefully. As always, check for errata!

3. Class Presentations
On Thursday, May 15, you will be asked to give a short (10-15 mins) class presentation summarizing the additional section you chose from the above list. Feel free to bring handouts such as plots from the book or color images from the web. Otherwise your presentation should be "lecture-style," at the blackboard.