

NASSP Course Template

[Please fill in the relevant information for each section. The italicised words in brackets give an indication of what to include.]

Course Title: EGA (actually not sure)

Course Lecturer: Prof. D.J. Pisano

Course credits:

Lecturer contact hours: 24

Tutorial/practical hours: 6

1) Course overview:

The material to be covered in this course will follow on from the Honours GA2 course. We will have a particular focus on the physical understanding of galaxies through studies of galaxy kinematics and mass models, luminosity/mass functions for populations of galaxies, spectral energy distributions, and the interstellar medium in galaxies. The course will conclude with some special topics.

2) Course breakdown/syllabus:

See above.

3) Resources:

Readings will be provided in class. No textbook is required.

4) Breakdown of practicals/tutorials:

There will be projects associated with each of the main topics of the course that will be the bulk of the course grade.

5) Additional skills to be developed during the course:

Students will be working to develop both an intuition for understanding galaxies and practical research skills. Python programming will be part of the assignments. In class work will be done in groups, developing collaboration skills. A final presentation on a paper will give students a chance to refine their presentation skills.

6) Assessment

Still to be finalized, but a rough guide:

Projects: 60%

In-class work: 20%

Final Presentation: 20%

No final exam will be given.