

# Senior Honours Projects 2013/2014

SH Project Organiser

Prof Franz Muheim

Room 5422 JCMB, Tel 50 5235

[f.muheim@ed.ac.uk](mailto:f.muheim@ed.ac.uk)

[www.ph.ed.ac.uk/~muheim](http://www.ph.ed.ac.uk/~muheim)

Course web page

Learn: Senior Honours Project

[PHYS10086/10087] (2013-2014)

<http://www2.ph.ed.ac.uk/~muheim/teaching/sh-projects/>

# Senior Honours Projects



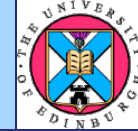
- Open ended 10 week research project
- Bring together the skills you have acquired over the past three years
- Provide a flavour of what physics research is
- Please read project guide booklet
  - available at Course web page or <https://www.wiki.ed.ac.uk/display/pastudentinfo/Programme+and+Course+Guides>
  - Lots of important information
  - Contains list of all available projects

# Project Selection I



- BSc Students
  - Take 2 projects (1 in each semester)
  - May substitute 2nd project with 20 credit points of lectures
- 4th year MPhys Students
  - Take 1 project (Semester 1 or 2)
- Physics and Music
  - One project should be a music/acoustics project
- Physics with Meteorology
  - One project should be a meteorology project
- Computational Physics
  - One project should be a computational project
- Theoretical Physics
  - may take one or two projects

# Project Selection II



- Astrophysics Students
  - see next slide
- Projects cover whole of School's research interests
- Try to choose a project that you are interested in
- How to select your project
  - Select list of possible projects from booklet
  - Talk to project supervisor
  - Sign up - fill form in teaching office
- Note - your first choice might not be available
  - number of seats per project is limited

# Astrophysics Senior Honours

- **Astrophysics Degree Programme Coordinator:**

Prof Andy Taylor ([ant@roe.ac.uk](mailto:ant@roe.ac.uk))

Astro Teaching Admin: Paula Wilkie ([paw@roe.ac.uk](mailto:paw@roe.ac.uk))

- **Astrophysics SH Projects:**

<http://astroprojects.roe.ac.uk/bin/view/SeniorHonours/ProjectsList>

- Astro students do one SH project in S1 or S2.
- Project selection online. Select 3 options. Deadline Thursday 12.00.
- Allocation Friday/Monday - contact supervisor.
- Algorithm to maximise for 1st choices.
- Hand-in deadlines, workshops, etc, as Physics.
- But - hand-in copies to Paula at ROE by deadline.
- Separate Turnitin for Astro on Learn.

# Astrophysics Senior Honours

- **Astrophysics Degree Programme Coordinator:**

Prof Andy Taylor ([ant@roe.ac.uk](mailto:ant@roe.ac.uk))

Astro Teaching Admin: Paula Wilkie ([paw@roe.ac.uk](mailto:paw@roe.ac.uk))

- **Astrophysics SH Lab:**

- ROE Lab: Open 9am-5pm weekdays.
- Access - ROE swipe-card (if not got one see Paula).
- ROE Computer problems - see Andy or Paula or online Helpdesk.

- **Team Project** - as for Physics.
- **Group project** - Prof Rob Ivison.

Any other problems in SH or MPhys contact Andy or Paula.

# Projects Timetable



- Lab runs from 10.00-17.00 Mondays and Thursdays
- Working outwith these times only in agreement with project supervisor  
For safety reasons you may not work outwith Mon-Fri 9 am - 5 pm
- Safety
  - Familiarize yourself with potential safety issues consult project supervisor
  - Read safety regulations - same booklet as 3<sup>rd</sup> year copies available - George Hughes room 4207.

# Project Submission



- Handin Details
  - Project Report (hardcopy) and Laboratory notebook
  - Report must also be submitted to "turnitin"
  - Project Poster
- Deadlines: New
  - Tuesday 3<sup>rd</sup> Dec 2013, 12:00 noon Semester 1
  - Tuesday 1<sup>st</sup> April 2014, 12:00 noon Semester 2
  - Late Handins
    - 5% mark reduction per day

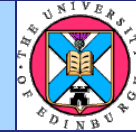


# Assessment



- Project counts for 20 credit points
  - 35% Laboratory work
  - 55 % Report
  - 10 % poster
  - Please read *Grade Descriptors* on course web page
- Laboratory notebook
  - must be a real book, no loose sheets of paper
  - complete record of what you did during the project
  - part of the assessment on laboratory work

# Project Report and Poster



- Report Preparation
  - Concise technical document, must be well prepared in advance
- Workshops report and poster writing
  - Oct 2<sup>nd</sup> (and Oct 30<sup>th</sup> if required)
  - 3 pm in room 5326 JCMB
- Poster Session
  - Last Thursday of Semester 2
  - Poster prize for best poster



- Good luck
- Have fun
- Carpe Diem