
Welcome to the
Astrophysics Honours stream!

Astrophysics Honours stream

- We’re very excited to be launching an Astrophysics Honours stream for the first time in 2025!
- Astrophysics Honours students will now have focussed Astrophysics coursework and research skills classes during Semester 1
- You don’t need to have studied any previous Astrophysics or Space units to join our team!

Meet your teaching team!

Chris Blake
(Astrophysics Honours coordinator)

Michelle Cluver

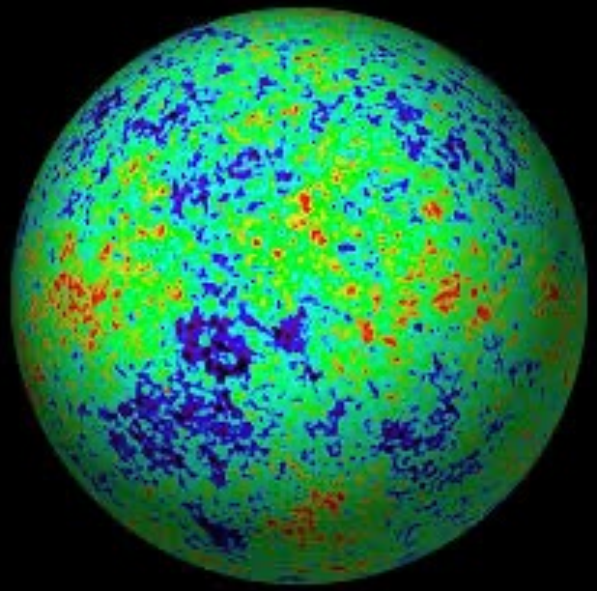
Emma Ryan-Weber

Adam Deller

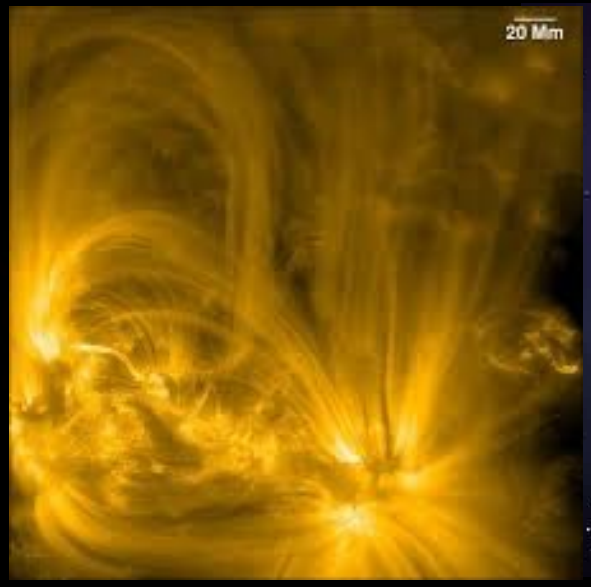
Ryan Shannon

Astrophysics Honours Coursework

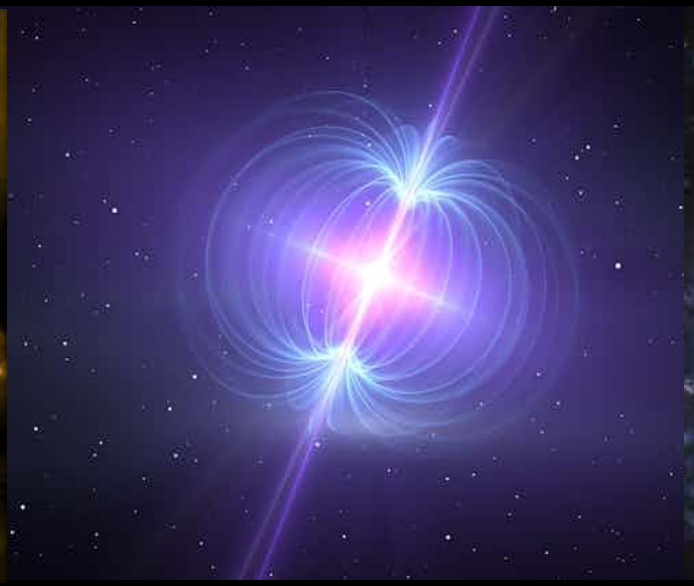
1 – Cosmology



2 – Astrophysical Processes

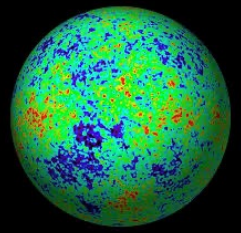
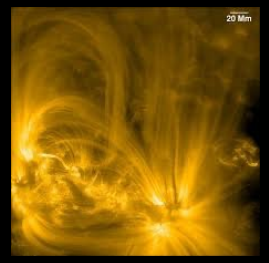
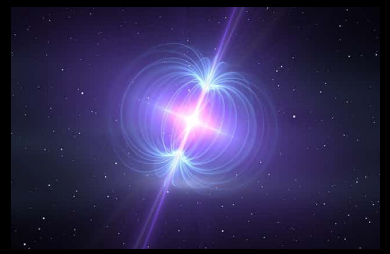


3 – Compact Objects



4 – Galaxies

Astrophysics Honours Coursework

 **Cosmology**	Physics of the expanding Universe, contents of the Universe, Big Bang physics, cosmic structure, cosmological observations
 **Astrophysical Processes**	Formation of spectral lines, absorption and emission processes, radiative transfer, accretion
 **Compact Objects**	Formation and evolution of neutron stars and black holes, radio pulsars, gravitational wave sources, use as astrophysical probes
 **Galaxies**	Astrophysical components of a galaxy, physical processes of galaxy evolution, observing galaxies, active galactic nuclei

Astrophysics Honours Research Skills

- We're arranging weekly classes in Semester 1 to train the research skills of an astrophysicist!
- You'll complete a portfolio of tasks relevant to your literature review and project planning

Project management	*How to find your key references*	*How to read a paper*	*Strategies for writing*
Good coding practice	*Useful tools in statistics*	*Presentation skills*	*Use of AI tools in research*

Centre for Astrophysics and Supercomputing

- Astrophysics Honours students become members of the Centre for Astrophysics and Supercomputing (CAS)
- We have many weekly activities and events you can join to enrich your research journey
- Many CAS Honours students gain PhD scholarships in our centre


Please come along to the presentation from our Astrophysics research supervisors, 1pm-1.30pm!

Message from Physics & Outer-Space Club …