COURSE MODULE INFORMATION

EOS303: Ocean Dynamics

Semester 2 | Credits: 5

This module introduces the basics of dynamical oceanography and the study of forces that control ocean processes and the resulting interaction with large scale bio-geochemical cycling. Students will learn how to assess what forces and interactions are important for a particular scenario relating to an ocean feature/process
(Language of instruction: English)

Learning Outcomes

1. Explain how the forces that drive ocean circulation arise and interact.
2. Compare the importance of each force for a particular situation under consideration
3. Describe the processes underlying the wind and density driven circulation
4. Recognise the major differences between coastal and deep ocean dynamics
5. Describe the relationship between the ocean dynamics and biogeochemical processes
6. Interpret data collected from a case studies and explain results found

Assessments

- Written Assessment (70%)
- Continuous Assessment (30%)

Module Director

- MARTIN WHITE: Research Profile | Email

Lecturers / Tutors

- RACHEL CAVE: Research Profile
- LORNA LARKIN: Research Profile
- ROBIN RAINE: Research Profile
- MARTIN WHITE: Research Profile
- SHEENA FENNELL: Research Profile

The above information outlines module EOS303: "Ocean Dynamics" and is valid from 2015 onwards.
Note: Module offerings and details may be subject to change.