

# Information on Oceanography major provided by ADFA

## **Oceanography - AGOCB14410**

Faculty: University College

School: PEMS (Physical, Environmental, and Mathematical Sciences)

Contact: UNSW@ADFA Student Gateway

Program: 4410 - Science

Award(s): Bachelor of Science (Major)

*Note: For students wishing to study Level II Oceanography, ZPEM1301 Mathematics 1A and ZPEM1302 Mathematics 1B are pre-requisites, as the courses require a basic understanding of algebraic manipulations and calculus.*

## **Structure**

A major sequence in Oceanography comprises of -

Two Level I courses:

- ZPEM1402 Introduction to Oceanography (6 UOC)
- ZPEM1501 Mechanics, Thermodynamics and Waves (6UOC)

Two Level II courses:

- ZPEM2401 Australian Waters and their Dynamics (6 UOC)
- ZPEM2506 Space Weather and Meteorology (6UOC)

Plus 24units of credit in Level III Oceanography courses:

- ZPEM3401 Ocean Circulation and Mixing (6 UOC)
- ZPEM3404 Ocean Waves and Modeling (6 UOC)
- ZPEM 3524 Sonar, Navigation, and Guidance (6UOC)
- ZPEM3501 Dynamics of Weather and Climate (6UOC)

## **Honours**

Oceanography Honours is designed for students showing a special interest and aptitude for work in the discipline and who satisfy the requirements for entry into the degree of Bachelor of Science with Honours. The Honours program provides students with the opportunity to undertake a research project and to present their results in a thesis. Coursework in the form of seminars, lectures and

assignments is also normally undertaken.