

ANNIMS

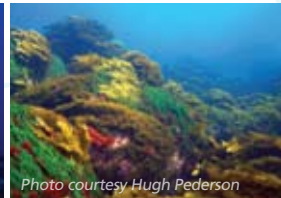
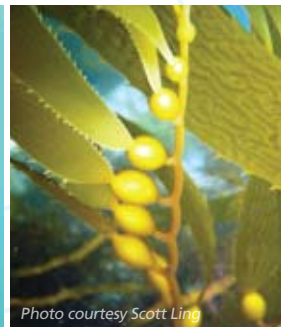
Australian National Network
in Marine Science

Semester Swap and Intensive Short Courses



ANNiMS

Semester Swap and Intensive Short Courses



The Australian National Network in Marine Science (the Network) is a collaboration between James Cook University (JCU), the University of Tasmania (UTAS) and the University of Western Australia (UWA). The partners are leaders in Australian marine science.

The three institutions have the benefit of covering wide latitudinal and longitudinal gradients and include in their domains some of Australia's most important marine sites.

This provides unique opportunities for collaboration. Expertise at the three institutions is complementary and provides an excellent basis to undertake multidisciplinary teaching and research.

For example, JCU has a large group undertaking research on corals on the Great Barrier Reef, concentrating on coral reef ecology and physiology. Coral reef research at UWA occurs along the coast of Western Australia from the Kimberley to Perth but is concentrated at Ningaloo Reef and the Abrolhos Islands. The focus of coral reef work at UWA is on physiology, physical and biological oceanography and fish communities. UWA also works on meso-scale oceanographic phenomena and benthic ecology along most of the WA coast. UTAS focuses on marine ecology and biology, conservation and physical oceanography in temperate waters and the Southern Ocean, and science supporting

the aquaculture and fisheries industries. JCU also has a very strong profile in environmental science and is offering subjects on managing coastal and marine environments, conserving marine wildlife and coral reef geomorphology.

The Network is offering, through the three universities that comprise the Network the opportunity to study:

- single intensive units over 2 – 3 weeks during summer; or
- a semester long unit.

Intensive units are strongly field-based.

The Network will provide financial assistance including:

- return economy class air fares,
- accommodation and
- meal allowance for the duration of the students' time interstate.

Students will pay fees to the providing institution in the normal way (ie HELP or International fees). Subject costs relating to field excursions will be paid by the Network.

The 'Semester Swap' component of the ANNiMS cross institutional undergraduate teaching initiative is geared around students enrolled at UTAS, UWA and JCU moving to a partnering university to take a full load for one semester. The initiative is focused primarily on 3rd level units, although some 2nd level units are relevant.

Programs

James Cook University

www.jcu.edu.au

Semester Swap – 3rd Year

Semester 1

AQ3002	Feeds and Nutrition
AQ3003	Propagation
AQ3008	Systems Design
MB3050	Biological Oceanography
MB3150	Fisheries Science
MB3160	Evolution and Ecology of Reef Fishes
MB3210	Life History and Evolution of Reef Corals
MB3300	Coral Reef Ecosystems I
EV3203	Conserving Marine Wildlife: Sea Mammals, Bird, Reptiles
EV3406	Coral Reef Geomorphology

Semester 2

AQ3004	Genetics and Stock Improvement
AQ3007	Aquatic Animal Ecophysiology
AQ3015	Sustainable Aquaculture
MB3190	Coral Reef Ecology
MB3200	Marine Conservation Biology
MB3230	Design and Analyses in Ecological Studies
MB3260	Ecological Dynamics: An Introduction to Modelling
MB3270	Coastal and Estuarine Ecosystems
EV3201	Managing Coastal and Marine Environments
EV3401	Coastal and Catchment Geomorphology

Intensive field-based subjects (Summer School) – 3rd Year

Marine Biology

MB3330	Biology of Reef Corals 31 January –11 February 2011
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Earth and Environmental Sciences

EA3640	Advanced Marine Geoscience Technologies and Applications late Nov – early Dec (subject to numbers)
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University of Tasmania

www.utas.edu.au

Semester Swap – 3rd Year

Semester 1

KPA372	Aquatic Botany
KZA356	Marine Ecology
KZA357	Quantitative Methods in Biology

Semester 2

KSA205	Introduction to Oceanography
KZA351	Antarctic Ecology

Intensive field-based subjects (Summer School) – 3rd Year

KZA305	Scientific Diving
KZA356	Marine Ecology
Unit code	Birds and Mammals of the Southern Ocean

University of Western Australia

www.uwa.edu.au

Semester Swap – 3rd Year

Semester 1

ANIM2203	Invertebrate Zoology
EART2201	Introduction to Geographic Information Systems
PLNT2203	Aquatic Botany
SCIE2204	Introduction to Marine Science
EART3333	Environmental Geomorphology of Coasts and Rivers
ENVE3601	Environmental Fluid Mechanics (Advanced)
ENVE4614	Oceanographic Engineering
ENVE4615	Physical Oceanography

Semester 2

EART2221	Coastal Environments and Processes
ENVE2602	Environmental Fluid Mechanics (Basic)
EART3331	Marine and Coastal Planning and Management
SCIE3307	Biological Oceanography
SCIE3304	Field Techniques in Marine and Environmental Science

Intensive field-based subjects (Summer School) – 3rd Year

ENVE4614	Oceanographic Engineering
ENVE4615	Physical Oceanography

Contacts

If you are interested in exploring this opportunity further please contact the Manager,
Australian National Network in Marine Science or visit the Networks website:

www.marine-science-network.edu.au

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