



UNIVERSITY OF
TECHNOLOGY SYDNEY

UTS:SCIENCE
STUDY ABROAD WITH
THE SCHOOL OF THE
ENVIRONMENT
2013-2015

www.science.uts.edu.au/environment

THINK. CHANGE. DO

ABOUT

THE SCHOOL OF THE ENVIRONMENT

UTS School of the Environment (SoE) offers international students the best of both worlds: state-of-the-art science facilities in the heart of Sydney and field trip experiences that cover Australia's diverse ecology and landscapes.

The SoE is student focused and research driven providing a practical hands-on approach that is supported by internationally recognised research programs and collaborations.

Choosing one of the SoE Study Abroad Packages not only adds value to your current studies but also opens up a whole new network of opportunities. There is also the option of combining subjects from other science areas or faculties.

SCHOOL OF THE ENVIRONMENT STUDY ABROAD PACKAGES

1. MARINE BIOLOGY AND ENVIRONMENTAL MANAGEMENT

Australia's diverse marine environment includes coral reefs, temperate rocky reefs, sandy beaches and estuaries and is home to a range of unique species. The economic, social and cultural value is immense and these subjects give students the opportunity to learn about some of the most important marine ecosystems and species - like corals, fishes, and sharks - as well as Australia's innovative approaches to marine environmental management and conservation.

An immersive learning experience for students includes being taught on the Great Barrier Reef, at coastal field stations, and in the traditional classroom setting. This selection of subjects would suit students intending to study at UTS from July to end of the year. The following subjects are involved:

- > **91126 Coral Reef Ecosystems** (July), block mode, One Tree Island, Great Barrier Reef, a preliminary day of lectures at UTS. Assumed knowledge: at least first year biology
- > **91156 Marine Primary Producers** (July), block mode, Heron Island, Great Barrier Reef, a day of post-excursion lectures at UTS. Assumed knowledge: at least first year biology

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- > **91157 Marine Communities** (July – November), mixed mode, block of practicals + lectures at Pearl Beach, lectures at UTS. Assumed knowledge: at least first year biology
- > **91145 Environmental Protection and Management** (July – November), face to face at UTS, lectures, tutorials, excursions. Assumed knowledge: nil

2. ECOLOGY OF AUSTRALIA

As an island continent with a long history of isolation Australia has evolved a unique ecology with fascinating species. Living organisms have adapted to live with extreme changes in weather, water availability, and natural disturbances (such as floods, cyclones, bushfires). This selection of subjects (available between February and July) covers a range of Australian ecosystems, their ecology, and their biodiversity. Delivered by a combination of field-based teaching, classroom lectures, laboratory practicals and excursions the subjects include the following:

- > **91116 Wildlife Ecology** (February – July), mixed mode, block of practicals at Stroud field station, lectures at UTS. Assumed knowledge: at least first year biology
- > **91121 Aquatic Ecology** (February – July), face to face at UTS, lectures, practicals, excursions. Assumed knowledge: at least first year biology
- > **91126 Coral Reef Ecosystems** (July), block mode, One Tree Island, Great Barrier Reef, a preliminary day of lectures at UTS. Assumed knowledge: at least first year biology
- > **91118 Fisheries Resources** (February – July), face to face at UTS, lectures, practicals, overnight field practicals at Sydney Institute of Marine Science. Assumed knowledge: at least first year biology
- > **91309 Biodiversity Conservation** (February – July), face to face at UTS, lectures, practicals, excursions. Assumed knowledge: at least first year biology

3. AUSTRALIAN ENVIRONMENTAL SCIENCE AND MANAGEMENT

Sustainable use of Australia's diverse environments is a challenge and this set of subjects provides students with a fascinating overview of Australian environmental science, the current issues and the innovative approaches to solving these environmental challenges. This set of subjects is suitable for students intending to study in Australia from July to the end of the year and involves learning through extensive excursions across the Australian landscape, field teaching, and classroom teaching.

- > **91155 Stream and Lake Assessment** (July – November), mixed mode, block of practicals at Stroud field station, lectures and practicals at UTS. Assumed knowledge: at least first year biology
- > **91159 Environmental Forensics** (July – November), face to face at UTS, lectures, practicals, excursions. Assumed knowledge: at least first year biology





- > **91145 Environmental Protection and Management** (July – November), face to face at UTS, lectures, tutorials, excursions. Assumed knowledge: nil

And one of the following depending on the year

- > **91370 Semi-arid Ecology** (July 2015) block mode, field teaching in western NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science
- > **91163 Alpine and Lowland Ecology** (December 2013) block mode, 11 days of field teaching in southern NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science
- > **91371 Forest and Mountain Ecology** (July 2014) block mode, field teaching in northern NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science





4. ENVIRONMENTAL SCIENCE (GENERAL)

February-July

Select from the following subjects

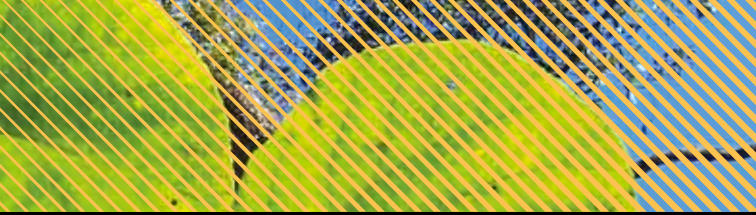
- > **91107 The Biosphere**, face to face at UTS, lectures, practicals. Assumed knowledge: nil
- > **66513 Marine Geosciences**, online, block mode field teaching, tutorials. Assumed knowledge: nil
- > **91154 Ecology**, face to face at UTS, lectures, practicals, excursions. Assumed knowledge: at least first year biology
- > **91309 Biodiversity Conservation**, face to face at UTS, lectures, practicals, excursions. Assumed knowledge: at least first year biology
- > **91116 Wildlife Ecology**, mixed mode, block of practicals at Stroud field station, lectures at UTS. Assumed knowledge: at least first year biology

July-December

Select from the following subjects

- > **91123 Biocomplexity**, face to face at UTS, lectures, practicals, excursion. Assumed knowledge: nil



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- > **91363 Animal Behaviour and Physiology**, face to face at UTS, lectures, practicals, project. Assumed knowledge: at least first year biology
 - > **91155 Stream and Lake Assessment**, mixed mode, block of practicals at Stroud field station, lectures and practicals at UTS. Assumed knowledge: at least first year biology

And one of the following depending on the year

- > **91370 Semi-arid Ecology** (July 2015) block mode, field teaching in western NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science
- > **91163 Alpine and Lowland Ecology** (December 2013) block mode, 11 days of field teaching in southern NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science
- > **91371 Forest and Mountain Ecology** (July 2014) block mode, field teaching in northern NSW, a preparatory meeting before trip. Assumed knowledge: at least first year biology or physical science



CONTACT UTS

For more information about study abroad and exchange at UTS contact:

Study Abroad and Exchange Officer

UTS International
University of Technology, Sydney
PO Box 123
Broadway NSW 2007
Australia

Tel: (+ 61 2) 9514 1540

Fax: (+ 61 2) 9514 1530

Email: studyabroad.exchange@uts.edu.au

<http://www.uts.edu.au/international/studyabroad/index.html>

<http://www.uts.edu.au/international/exchange/index.html>

Academic enquiries:

Professor Bill Gladstone
Head, The School of the Environment
University of Technology Sydney
PO Box 123, Broadway NSW 2007

T +61 2 9514 8272

F +61 2 9514 4079

E William.Gladstone@uts.edu.au

www.science.uts.edu.au/environment



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UTS CRICOS Provider Code: 00099F

Study Abroad program CRICOS code (1 semester): 012083D

Study Abroad program CRICOS code (2 semesters): 018126E

Exchange program CRICOS code: 025688A

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UTS:MCU / JOB 17612/ OCTOBER 2012 / IMAGE OF FISH: JAMES VAN DEN BROEK.

IMAGE OF SYDNEY: HAMILTON LUND, TOURISM NSW.