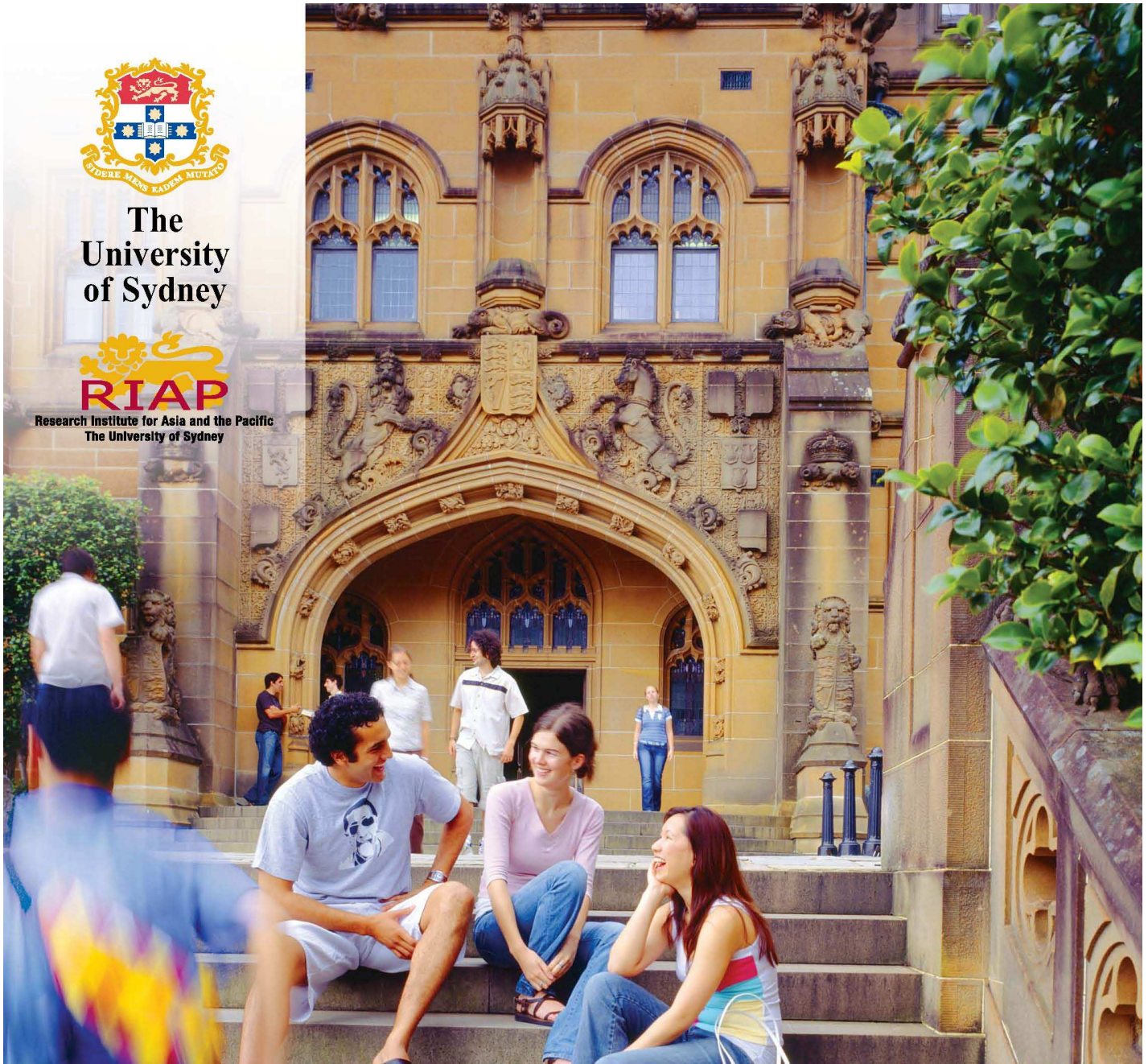




The
University
of Sydney



Research Institute for Asia and the Pacific
The University of Sydney



RESEARCH INSTITUTE FOR ASIA AND THE PACIFIC

INSIDE AUSTRALIA: TOHOKU UNIVERSITY SCIENCE PROGRAM

2009





1. ORGANISATIONAL PROFILE

1.1 UNIVERSITY OF SYDNEY

The University of Sydney, founded in 1850, is Australia's first university. Over the past 150 years, the University has built an international reputation for its outstanding teaching and as a centre of research excellence. It is one of the largest universities in Australia, with over 47,000 students, including 9,000 international students from more than 100 different countries.

The University of Sydney continues to rise in global rankings, confirming its place within the top 40 universities in the world. The University's humanities teaching and research was ranked fifth best in the world in the UK's Times Higher Education Supplement (THES) World University Rankings published in 2007, while the University as a whole was ranked 31st in the world in the same league table. In the Newsweek global 100 for 2006, the University of Sydney was one of two Australian universities placed in the top 50 in the world.

As one of Australia's leading universities, the University of Sydney is a key member of:

- Group of Eight (GO8) – representing Australia's leading research-intensive universities
- Academic Consortium 21 (AC21) – an international network of educational, research and industrial organisations in Asia, the United States and Europe
- Association of Pacific Rim Universities (APRU) – Sydney is one of three Australian institutions in this group of prestigious universities drawn from Asia, the United States and South America.
- Worldwide Universities Network (WUN) – an international alliance of 16 leading research universities.

1.2 UNIVERSITY OF SYDNEY RESEARCH INSTITUTE FOR ASIA AND THE PACIFIC

The Research Institute for Asia and the Pacific (RIAP) is a research and education unit within the International Portfolio of the University of Sydney. Founded in 1987, RIAP initiates, develops and manages multidisciplinary research projects and international leadership programs that support the international engagement priorities of the University. RIAP also plays a role in supporting the foreign policy outreach activities of the Australian government and organisations, and the capacity building needs of countries in the Asia Pacific region and beyond.

Drawing upon the expertise and resources of the University of Sydney's 17 faculties, as well as regional institutions and professional consultants, RIAP delivers a suite of international leadership programs and provides intelligence, grant application and research project management services in a wide range of disciplines.

RIAP's clients include foreign governments, domestic and multinational private enterprises, aid agencies and international organisations such as APEC, World Bank, Asian Development Bank and UN agencies. Having served for five years as the Australian National Lead Institute for the Asia-Pacific Economic Cooperation Human Resource Development Working Group, RIAP has the proven ability to design programs that respond to regional and organisational development needs.



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1.3 UNIVERSITY OF SYDNEY'S CENTRE FOR ENGLISH TEACHING (CET)

CET is accredited by The National ELT Accreditation Scheme Limited (NEAS). NEAS is Australia's national accreditation scheme for English Language Teaching centres.

The broad aim of NEAS Australia is to establish and uphold high standards of service provision in English Language Teaching in Australia.

CET's mission is to:

- Offer innovative high quality English language programs
- Maintain excellence in teaching
- Regularly review and evaluate programs for relevance and quality
- Ensure client progress and welfare in a supportive environment

Since its establishment in 1988, CET has continued to grow and change. The Centre can provide whatever English language skills are required by your students. They can offer long or short programs, whether English is needed to get a better job, to pass an exam, for professional pathways, for further study or just to help the student with work or travel. They promise to help your students succeed.

Your students' achievements in English are very important to the Centre for English Teaching. Because their students come from many different countries around the world, with English as the only common language, students will practice their English skills while learning about other cultures and traditions.

The Centre is conveniently located on the main University of Sydney campus, with easy access into the city.

2. INSIDE AUSTRALIA OVERVIEW

2.1 INSIDE AUSTRALIA: STUDYING IN SYDNEY

Studying in Sydney is an opportunity not to be missed. Your students can live and study in one of the world's most beautiful and vibrant cities at one of Australia's premier universities.

The University of Sydney, Australia's oldest university, offers international university students the exciting opportunity to participate in the Inside Australia Study Tour Program. The intensive tailor made program can last from one to five weeks, with the possibility of students receiving credit towards their degree in their home institution. As one of the world's most popular tourist destinations, Sydney enjoys gorgeous beaches, great weather and an exciting cultural life. This is the perfect place for your students to further their education while taking advantage of all that the city has to offer.



3. INSIDE AUSTRALIA: TOHOKU UNIVERSITY SCIENCE PROGRAM

3.1 COURSE OUTLINE

The course is divided into two components:

Component 1: English language communications;

Component 2: Lectures on discipline-specific subject areas;

3.1.1 COMPONENT 1: ENGLISH COMMUNICATIONS

This component will be developed and provided by the University of Sydney's Centre for English Teaching (CET), in consultation with the Faculty of Science and RIAP to ensure content synergy in relation to lecture and tutorial sessions. CET will provide 4 hours of English lectures per day in Week 1. On Day 1 of the program, CET and RIAP will conduct an orientation session, followed by an informal lunch at CET.

3.1.2 COMPONENT 2: LECTURES

In Week 2, Tohoku University students will attend a number of University of Sydney lectures and tutorials provided by the Departments of Mathematics and Physics (Faculty of Science). This integration with local students will allow Tohoku students to participate in the genuine University of Sydney experience, and will provide them the opportunity to compare these lectures to those of their home institution.

Mathematics Lectures:

Students will attend **Math 3963** *Differential Equations and Biomathematics (Advanced)*

Students will be provided with lecture notes for the week prior to attendance.

CET may have access to sound recordings of the previous week's lecture, depending on the audio visual resources of the lecture theatre (TBC).

Physics Lectures:

Students will attend **Physics 3040** *Electromagnetism* lectures in week 4 of semester (25 and 27 March). These are lectures 7 and 8 of the course.

Students will not be provided with lecture notes. The textbook for the course is *Introduction to Electrodynamics* (Third Edition) by David J. Griffiths.

A video recording of week 1 lectures (lectures 1 and 2 of the course) will be provided to CET.

Please note: All video and sound recordings will remain the property of the University of Sydney and are subject to copyright.



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4. PROPOSED SCHEDULE

All academic lectures and tutorials are dependent on the availability of the relevant academics and organisations at the time of implementation.

The program schedule may be subject to change will be finalised as soon as the University timetable is set.

Sunday 15th March

Arrive in Sydney – to be met by Tohoku staff and taken to accommodation, Check into accommodation

WEEK 1

Mon 16 th	Tue 17 th	Wed 18 th	Thu 19 th	Fri 20 th	Sat 21 st
8.15-8.45 – Welcome to the University and Introduction session (RIAP & CET)	08.30am-1.00pm English Communications – Centre for English Teaching	08.30am-1.00pm English Communications – Centre for English Teaching	08.30am-1.00pm English Communications – Centre for English Teaching	08.30am-1.00pm English Communications – Centre for English Teaching	Own schedule
8.45am-1.00pm English Communications – Centre for English Teaching					
1.00-2.30 Welcome Lunch CET	1.00-2.00 Lunch break	1.00-2.00 Lunch break	1.00-2.00 Lunch break	1.00-2.00 Lunch break	Sun 22 nd Own schedule
2.30-5.00 Own schedule	2.00-5.00 Own schedule	2.00-5.00 Own schedule	2.00-5.00 Own schedule	2.00-5.00 Own schedule	



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WEEK 2

Lecture times may be subject to change.

Mon 23 rd	Tue 24 th	Wed 25 th	Thu 26 th	Fri 27 th	Sat 28 th
Own schedule	Own schedule	Own schedule	Own schedule	Own schedule	Depart Sydney
Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	Sun
12.00-1.00pm Lecture Math 3963: Differential Equations and Biomathematics (Advanced)	12.00-1.00pm Lecture Math 3963: Differential Equations and Biomathematics (Advanced) 4.00-5.00pm Tutorial Math 3963: Differential Equations and Biomathematics (Advanced)	1.00-2.00pm – Lecture Physics 3040: Electromagnetism <i>Physics Lecture Theatre 5</i>	12.00-1.00pm Lecture Math 3963: Differential Equations and Biomathematics (Advanced)	12.00-1.00pm – Lecture Physics 3040: Electromagnetism <i>Physics Lecture Theatre 5</i> 2.00-2.30pm – Program Evaluation	



5. PROGRAM SUPPORT SERVICES

5.1 SCOPE OF SERVICE

RIAP will provide the following services to facilitate successful development and delivery of the program:

- Welcome lunch and introduction session
- Timetable an itinerary for the visit
- Timetable delivery of lecture program on specified topics
- Monitor and evaluate student's progress

Additionally, participants will have:

- access to student facilities – e.g. Student union activities, campus bookshops, cafes, bars and general student activities
- access to health service on campus (***Note:** students must organise their own medical insurance prior to travelling to Sydney in order to make use of this service)

N.B. Not covered in the cost is access to the University of Sydney's Sports and Aquatic Centre (gym, squash, tennis, swimming pool). Membership and/or other charges may apply. More details are available at <http://www.susport.com>