

OFF-CAMPUS STUDY - SPRING 2022

COLGATE IN AUSTRALIA

**Director:**

Patrick Crotty,
Department of Physics and Astronomy

Tentative Program Dates:

mid-February to late June, 2022

Learn about the 2021-22 Colgate Study Groups and Talk With the Faculty Directors at the Study Group Fair on Wednesday, October 7th, 2020, 4:00–5:00:

<https://www.colgate.edu/academics/off-campus-study/campus-opportunities/virtual-study-group-fair>

For more information about the program:

Please contact Prof. Crotty at pcrotty@colgate.edu

Information Sessions will be held on:

Wednesday, October 21 at 5:00pm -

<https://colgate.zoom.us/j/94067200389>

and Friday, October 23 at 5:00pm -

<https://colgate.zoom.us/j/97367890335>

Colgate University's

Australia Study Group, is located at the University of Wales, on the coast of New South Wales, approximately 50 miles south of Sydney. This study-abroad program is designed for students who intend to concentrate in the Natural Sciences or in Mathematics. Colgate students experience the academic offerings and extensive resources of University of Wollongong, a large public research university, while living and studying with Australians. Participants have the unique opportunity to broaden and deepen their understanding of the cultural and ecological diversity of Australia.

Courses taken on this study group satisfy the Core Global Engagements requirement.



This study group acquaints students with the historical, geographic and cultural processes that have shaped the modern state of Australia while continuing in their academic concentration. Students are immersed in another culture with its contrasting ways of thinking about and configuring the world, which deepens their understanding of their own beliefs and identity.



Courses:

Participants are required to enroll in and complete four courses. Students take three University of Wollongong courses and the required study group director's course described below. This study group satisfies Colgate University's Core Global Engagements requirement.

ASTR 165 – How Old is the Universe? (P. Crotty)

The last 20 years is often characterized as the Golden Age of modern astronomy due to the number of paradigm-shifting discoveries that have revolutionized our vision and understanding of the universe. This course explores several of these ground-breaking discoveries in great detail by focusing on the physical concepts and observations as well as the historical narrative that traces the progression of the scientific endeavor that made these discoveries possible. This course is distinctly different from ASTR 101 and 102, and allows for the interested non-science student to delve more deeply into the many discoveries that lead us to conclude that the universe is 13.77 +/- 0.059 billion years old; a number, by cosmological standards, that is staggeringly precise. No prior course work in physics, astronomy, or mathematics is required for this course.

Courses at the University of Wollongong (taught by University of Wollongong Faculty)

Besides the Director's course, students take three additional courses. These are selected in consultation with the program director and the student's Colgate University academic advisor. One course must explore the cultural or social history of Australia. Of the other two elective courses, one must be from the Natural Sciences or Mathematics.

Prerequisites & Qualifications:

Although all students are eligible to participate in the Australia II Study Group, preference is given to those students with a concentration or minor in the Division of Natural Sciences and Mathematics, and who will have completed their CORE and distribution requirements in the humanities, the social sciences and the natural sciences and mathematics prior to participation in the study group. Additionally, the University of Wollongong requires a GPA of 3.0 for matriculation in their international student Study Abroad Program.

Living Arrangements:

Students live in one of several residence halls of the University of Wollongong (e.g. Weerona College, Kooloobong Village or Campus East). Amenities and dining facilities vary with housing selection. Internet is available. Colgate students have access to the social, athletic, recreational, computer, and library facilities of the University of Wollongong. Some of these incur a separate fee.

For more information, visit the University of Wollongong's website at www.uow.edu.au

Costs:

For details of student expenses on this study group, please see Student Cost Estimate Sheets.

Passports and Visas:

You must confirm that your passport is valid through December 2022. All students participating on the spring 2022 Australia Study Group will be required to obtain a student visa. If you will not be traveling on a U.S. passport it is imperative that you contact an adviser in Off-Campus Study and International Student Services, 101 McGregory, to learn as much as you can about the visa requirements. For some students there are significant requirements to be met that take time, advance planning, and incur costs.

Calendar and Deadline:

The study group application will open on Wednesday, October 7, 2020, and will close on Wednesday, November 4, 2020. All applications are on the Colgate University Off-Campus Study website and are submitted online at offcampusstudy.colgate.edu. Only finalists in the selection process will be interviewed. Interviews will be arranged by e-mail in November/December, and admissions decisions will take place December January.

The Study Group departs for Australia around February 15, 2021, in time for the first field trip and the University of Wollongong orientation session. Classes for the 14 week autumn session (our spring) begin in early March. There is a one-week-long recess in mid- April, part of which will be used for a group excursion to Uluru (sacred Aboriginal site) in central Australia. Students will also participate in several day and weekend trips, including to the Great Barrier Reef. The 2-week final exam period is in mid- to late June: students must be in Wollongong for final exams.