Overview

Course Code*	BIOS9231
Course Name*	Research Internship in Marine Terrestrial Conservation
Course Name - SiMs*	Res. Intern. Mar.Terrest. Ecol
Owning Faculty*	Faculty of Science
Owning Academic Unit*	School of Biological, Earth and Environmental Sciences
Administrative Campus*	Sydney
Units of Credit*	6
Grading Basis*	Standard UNSW grades
Academic Calendar Type*	3+
Career*	Postgraduate

Academic Details

Course Description for Handbook*

This course provides training in the basic skills required for conservation research, through internship within a research group in the School of Biological Earth and Environmental Sciences. The internship will provide intensive, hands-on training in aspects of scientific research relevant to conservation, combining some or all of the following elements: a) experimental design b) literature searches c) field and lab techniques d) data analysis and modelling e) scientific writing. Assessment is based on attendance in the lab and field, development of analytical and presentation skills, and a substantial literature review. The review topic will be selected by the student in consultation with the Course Authority and will cover a conservation topic relevant to the research group, or a species or ecosystem the research group is studying.

A list of potential projects and supervisors can be obtained through the Course Authority. Each student must develop their own program in consultation and collaboration with the Academic supervisor, ideally involving exposure to a broad cross-section of the elements involved in scientific research. This could include interaction with municipal and state government, community groups and appropriate industry bodies for possible projects. The program includes compulsory attendance at weekly school seminars, and a limited number of classes aimed at developing research skills.

BIOS9231 Research Internship in Marine Terrestrial Conservation is taught over two consecutive terms, student must enrol in 6UoC per term to complete total enrolment units of 12UoC. Enrolment is subject to School Consent, please contact the course authority for more information.

Field of Education (Broad)*	010000 Natural and Physical Sciences
Field of Education (Narrow)*	010900 Biological Sciences
Field of Education (Detailed)*	010905 Ecology and Evolution

Teaching Strategies and Rationale

Teaching strategies will be specific to the student's research project and Academic supervisor.

Rationale:

Hands-on conservation-based research is a great way to develop an interest in the scientific process which underpins sound conservation management. The program includes attendance at weekly School seminars to expose students to a broader cross-section of scientific research. The course also uses continual research mentoring and training through one-on-one contact with Academic staff, post-docs, research assistants and postgraduate students in the research group in which the student is interned, as well as through experience in several aspects of scientific research.

Course Aims

The course aims to: Introduce students to scientific research methods relevant to conservation.

Develop essential research skills in students to improve their capacity to undertake and understand research and bridge the gap between research and management
To encourage a multidisciplinary perspective in students and develop an appreciation for broader scientific research including areas outside those of the students key area of interest.

Develop ability to critique scientific research and the way in which it is presented
Provide an opportunity for students to gain a deeper understanding of a topic of interest to them

Delivery Attributes*	Multi-Term Course

Course Properties

Course Type	Award course
Repeat for Credit	Yes
Maximum Number of Completions	2

Delivery

Delivery Variations

Delivery Name	Delivery Mode	Delivery Format
BLENDED-ST	Blended in-person / online	Standard (usually weekly or fortnightly)

Learning Outcomes

Code	Description
CLO1	Undertake conservation-based research, including the ability to frame questions and hypotheses, and develop and implement an experimental design to address/test them
CLO2	Communicate research to a science audience, through oral presentation and written reports.
CLO3	Demonstrate the basic quantitative skills used to test hypotheses, and be able to critically evaluate the power of analyses and conclusions in the scientific literature
CLO4	Critically appraise both scientific research and the way in which it is presented

Assessments

Assessment Type	Assessment Name	Weighting (%)
Report	Scientific seminars report	10
Project	Project Literature Review	30
Presentation	Research Seminar	10
Report	Major Research Report	50

Enrolment Requirements and Relationships

Enrolment Requirements	School Consent Required