SCIE90005 Ethics and Responsibility in Science

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 24 hours comprising 6 x one-hour lectures, 6 x three-hour workshops. Total Time Commitment: 80 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Assoc Prof Laura Parry, Dr Kath Handasyde
Contact:	Assoc Prof Laura Parry Email: **ljparry@unimelb.edu.au (mailto:ljparry@unimelb.edu.au)** Phone: 8344 4379 Dr Kath Handasyde Email: **kathrine@unimelb.edu.au (mailto:kathrine@unimelb.edu.au)** Phone: 8344 4357
Subject Overview:	What is conflict of interest? What should a scientist do when he or she finds fraud is occurring on a scientific research team? How does a scientist write and defend an animal ethics submission and get it approved? What are the ethical issues associated with peer review? This subject is intended to give students a broad overview of research ethics in a scientific context. It will include topics on scientific integrity; conflicts of interest; data recording management; authorship and peer review; animal experimentation and regulations; privacy and confidentiality of records; and, finally, research in humans.
Objectives:	Upon completion of this subject students should: # be aware of the different ethical responsibilities of individuals in the scientific workplace; # develop first-hand experience in critical thinking and appraisal related to ethics; # understand the ethical issues associated with recording and storage of data, and reporting research findings; # be able to implement the processes involved in obtaining appropriate ethical approval to conduct human and animal research.
Assessment:	Three workshop assignments due throughout the semester (each worth 10%, total 30%); a peer review on either an animal or human ethics application (1000-1200 words) due during the semester (20%); a 2000-word article during the exam period at the end of semester (30%); attendance and participation in class discussions (20%).

Prescribed Texts:	No specific text will be prescribed for this subject but recommended reading material will be prescribed for each topic covered in the subject.
Recommended Texts:	Relevant reading material will be recommended for background reading in each topic area.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	The subject will provide students with the opportunity to develop their own sense of intellectual integrity and ethics of scholarship. They should build upon generic skills including: # the ability to critically assess and assimilate new knowledge through a range of information and communication technologies; # high level ability to engage in collaborative learning and confront unfamiliar problems in an academic environment. They will learn how to apply these skills and be able to use them effectively in their professions and workplaces.
Notes:	Students will be expected to regularly access an internet-enabled computer.
Related Course(s):	Master of Biotechnology Master of Science (Biomedical and Health Sciences) Master of Science (Botany) Master of Science (Chemistry) Master of Science (Earth Sciences) Master of Science (Epidemiology) Master of Science (Geography) Master of Science (Information Systems) Master of Science (Physics) Master of Science (Vision Science) Master of Science (Zoology)
Related Majors/Minors/ Specialisations:	Environmental Science Environmental Science