

## IDSP 240 Philosophical and Ethical Issues in Science

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**Lecturers:**

Donard Dwyer, Ph.D.	Psychiatry/Pharm	<a href="mailto:ddwyer@lsuhsc.edu">ddwyer@lsuhsc.edu</a>
D. Neil Granger, Ph.D.	Physiology	<a href="mailto:dgrang@lsuhsc.edu">dgrang@lsuhsc.edu</a>
Charles Holoubek, J.D.		<a href="mailto:charles@davisandbujold.com">charles@davisandbujold.com</a>
Edward Jones, J.D.	Legal Affairs	<a href="mailto:ejone2@lsuhsc.edu">ejone2@lsuhsc.edu</a>
Ronald Klein, Ph.D.	Pharmacology	<a href="mailto:rklein@lsuhsc.edu">rklein@lsuhsc.edu</a>
Dennis O'Callaghan, Ph.D.	Microbiology	<a href="mailto:docall@lsuhsc.edu">docall@lsuhsc.edu</a>
Kevin McCarthy, Ph.D.	Cell Biology/Path	<a href="mailto:kmccar2@lsuhsc.edu">kmccar2@lsuhsc.edu</a>
David McGee, Ph.D.	Microbiology	<a href="mailto:dmcgee@lsuhsc.edu">dmcgee@lsuhsc.edu</a>
Hugh Price, DVM	Animal Resources	<a href="mailto:hprice@lsuhsc.edu">hprice@lsuhsc.edu</a>
Kelly Tatchell, Ph.D.	Biochemistry	<a href="mailto:ktatch@lsuhsc.edu">ktatch@lsuhsc.edu</a>
Sandra Roerig, Ph.D.	Pharmacology	<a href="mailto:sroeri@lsuhsc.edu">sroeri@lsuhsc.edu</a>
Jeanie McGee, Ph.D.	Neurology	<a href="mailto:jmcgee@lsuhsc.edu">jmcgee@lsuhsc.edu</a>
Andrew Yurochko, Ph.D.	Microbiology	<a href="mailto:ayuroc@lsuhsc.edu">ayuroc@lsuhsc.edu</a>

**Recommended Textbook:**

*Scientific Integrity*, (Third Edition, 2005) Francis L. Macrina

**Lecture Time and Place:**

9:00 - 10:30 a.m., Tue, Thurs, Room 5-337

**Exam:**

A five page written report on one of the topics covered in the lectures, based on scenarios provided during the course, will be due at 5:00 p.m. on July 27, 2017.

**Course Objectives:**

1. To provide graduate student training on responsible conduct of research.
2. To provide an understanding of the underlying philosophy in scientific endeavors and the ethical issues that face scientists.
3. To provide the history of scientific thought as well as updates on current ethical issues.
4. To provide information about the scientific method, experimentation, data collection and record keeping.
5. To provide information about scientific misconduct, how to avoid it and what to do if it is suspected.
6. To provide instruction on professional, ethical interactions with collaborators and mentors.

7. To provide information on ethical aspects of current policies and practices on use of animals and humans in research.

Lecture Topic	Lecturer
Philosophy, Ethics and the Scientist	Kevin McCarthy, Ph.D.
Record Keeping and Biomedical Research	Donard Dwyer, Ph.D.
Publishing Research Findings	D. Neil Granger, Ph.D.
Authorship and Peer Review	Dennis O'Callaghan, Ph.D.
Scientific Collaboration	Kelly Tatchell, Ph.D.
Ownership of Data and Intellectual Property	Charles Holoubek, J.D.
Conflict of Interest in Research	Edward Jones, J.D.
Use of Animals in Biomedical Research	Hugh Price, DVM
Scientific Integrity and Genetic Technology	Ronald Klein, Ph.D.
Use of Humans in Biomedical Research	Jeanie McGee, Ph.D.
Scientific Mentorship	Andrew Yurochko, Ph.D.
Misconduct in Research	Sandra C. Roerig, Ph.D.
Ethical Dilemma Simulations	David McGee, Ph.D.
Report due - Graduate Office	