



“Take the initiative. Go to work, and above all co-operate and don't hold back on one another or try to gain at the expense of another. Any success in such lopsidedness will be increasingly short-lived. These are the synergetic rules that evolution is employing and trying to make clear to us. They are not man-made laws. They are the infinitely accommodative laws of the intellectual integrity governing universe.”

Buckminster Fuller (1968)

Operating Manual for Spaceship Earth

Course Description

Research ethics is a hot topic. Conducting research is a fascinating but challenging activity that involves very different ethical issues, such as bias, fraud, plagiarism, conflicts of interest, falsification of research results, informed consent, attribution of authorship and adequacy of peer review publication processes. Through a combination of theory and practice, during this course students will critically analyse research ethics topics and case studies and learn how to manage and evaluate a research project, all the way from design to publication, from an ethical standpoint. Importantly, during this dynamic course, students will also be encouraged to reflect on the impact of new technologies and social trends on research ethics and discuss their ideas on how to build adequate codes of conduct to regulate research activity. By understanding and critically debating research ethics-specific issues, students will assimilate the importance of scientific integrity while acquiring key reasoning skills that will significantly increase the scientific quality and impact of their future research.

Syllabus

- Fundamentals of Ethics and Bioethics
- The History of Research Ethics (Paradigm Research Ethics cases)
- Scientific Misconduct
- Conflicts of interest and Publishing biases
- Ethical Planning and Conduction of a Research Project

Study Load

Activities	Number of hours
Lectures/Seminars/Tutorials	16
Reading/Self-Study	7
Assessment (in class participation, review and preparation for test, multiple choice test)	2
Total	25

Assessment Methodologies

Student in class participation and multiple choice test.

Academic Staff

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