

## PHIL\*3450-01 ETHICS IN THE LIFE SCIENCES

**Instructor:** M. Goldenberg

**Course description:**

The life sciences encompass a broad area of human health research that can be defined as:

Basic and applied biomedical sciences that are fundamental to the maintenance of health and the treatment of disease. The related disciplines include: Anatomy and Cell Biology, Biochemistry, Community Health and Epidemiology, Microbiology and Immunology, Pathology, Pharmacology, Toxicology, and Physiology. Life science research often culminates in innovative health technologies that support such industries as pharmaceuticals, medical devices, and biotechnology.

The large scope and reach of the life sciences should suggest the ethical issues to be broad as well, as distinct and complex moral issues arise regarding:

1. Clinical research methods and data production
2. Testing on human subjects
3. The use of non-human animals in human medical research
4. Reporting and publicizing clinical findings
5. Applying research evidence to actual patients
6. The commercialization of medical research

This course will feature ethical analysis of various issues that touch on all of the above general ethical concerns.