

Cross-cultural Bioethics

3 Credits

Description

This course in Bioethics examines both the underlying scientific principles of biotechnologies and the ethical controversies brought about by advances in biology and medicine. This course is designed to engage students in difficult dialogues around scientific, social, legal, and ethical issues related to new areas of biotechnology. Topics include human stem cell research, human cloning, genetically modified organisms, reproductive medicine (IVF, pre-implantation genetic diagnosis), neuroethics, and the impact of genetics on medicine.

Lectures/Seminars:

1. Introduction to Buddhism and/or Hinduism
2. Bioethics from a Buddhist/Hindu perspective
3. American Perspective on Bioethics
4. Stem Cell Research- scientific Principles
5. Bioethical considerations of Stem Cell Research-Asian Perspectives
6. Reproductive biology and IVF- Scientific principles and Ethical considerations
7. Abortion in Thailand/India
8. Scientific principles of Brain imaging
9. Neuroethics From an Asian Perspective
10. Neuroethics From an American Perspective
11. Public Health policies in Thailand/India
12. Sexually transmitted Disease control Policy in Thailand/India
13. Sexually transmitted Disease control Policy in America
14. Genetic counseling in Thailand/India
15. Medical Tourism in Thailand/India
16. Future of Medical Tourism in America
17. Hospices for HIV patients
18. Alternative medicine in Thailand/India
19. Nutrition and Malnutrition in Thailand/India
20. Genetically engineered Crops as a solution to malnutrition?
21. Cancer Screening and National Policies
22. Bioethics of Cancer Screening
23. Health concerns of cell phones and electromagnetic radiation

Field Trips:

1. Visit IVF Clinics - 3 hours
2. HIV Hospice - 3 hours
3. Hospital- 3 Hours
4. Snake venom and rabies Vaccine -3 hours