



BIO 110: Biology of Human Reproduction

This is a one semester, combined lecture/discussion course on various aspects of human reproduction. Topics include: human anatomy and physiology, childbirth, fertility, fertility control, fertility impairment, birth control, V.D., sexually transmitted diseases, and pregnancy termination. Extensive use will be made of films and other A.V. materials as they relate to the above topics. Three lecture hours per week. Gen. Ed. Competencies Met: Scientific Reasoning and Discovery.

Course Student Learning Outcomes

1. Compare and contrast Mitosis and Meiosis. 2. Identify and explain the differences between the internal and external organs of the male and female reproductive systems. 3. Explain the hormonal and nervous system roles in the functioning of the male and female reproductive systems. 4. Describe the hormonal control and physiological changes related to sexual functioning in the female menstrual cycle, pregnancy and childbirth. 5. Identify causes of infertility. 6. Analyze atypical sexual development related to chromosomal and hormonal disorders. 7. Recognize common ailments of the reproductive system related to STDs caused by viruses, bacteria or miscellaneous organisms. 8. Compare various methods of contraceptives and how they may be used effectively.

Credits: 3

Program: Biology