

Course Objectives:

The objectives of the course are:-

1. To introduce the field of Reproductive Biology, its history and significance
2. To impart knowledge about anatomy and physiology of reproduction
3. To demonstrate the socio-economic issues of reproductive biology.

Course Learning Outcomes:

Upon successful completion of the course, the student will be able to:

1. **UNDERSTAND** the fundamental anatomy of male and female reproductive systems in various mammalian species
2. **ACQUIRE** knowledge about histology and physiology of the male and female reproductive systems
3. **COMPREHEND** the basic patterns and periodicity of reproductive processes in mammals
8. **ELABORATE** the socio-economic problems related to reproductive biology

Course Contents:

Fertility control and its complications. Sexual dysfunctions. Endocrine changes of pregnancy. Endocrinology of developing fetus. Sexual differentiation. Puberty and its disorders. Infertility in both genders.

Textbook

1. Moore and Persand, 2001. The developing human. 6th Ed. Harcourt Asia.

Additional Readings

2. De Groot, 2001. Endocrinology Vol. III W.B. Sundres.

UZO-580 Reproductive Endocrinology (Lab)

Cr. (1)

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Course Contents:

Demonstration of endocrine glands and associated structures in dissections, transparencies, computer projections etc; Histological and ultra structure features of endocrine glands; Experiments to demonstrate physiological roles of hormones of different endocrine glandson pregnant, parturition and lactation.

Textbook

1. Moore and Persand, 2001. The developing human. 6th Ed. Harcourt Asia.

Additional Readings

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