POOL OF DISCIPLINE SPECIFIC ELECTIVES

DISCIPLINE SPECIFIC ELECTIVE COURSE -9 (DSE-9)
Primate Biology

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical / Practice		
Primate Biology	**04**	**03**	**Nil**	**01**	**Class XII pass**	**NIL**

(Teaching hours required: Theory, 45 hours; Practical, 30 hours)

Course Objectives

The objective of this paper is to enable the students to understand the evolutionary biology of various non-human primates. Their physical and anatomical metamorphosis will help the students to understand primate evolution too.

Course Learning Outcome:

The students will be able to:

1. demonstrate understanding of human evolution and origin.
2. comprehend the physical aspects that can be used for better understanding of early human migration.

Syllabus:

Unit 1(10 Hours)

History, aim and scope of Primate Biology and its importance in anthropology

Unit 2 (11 Hours)

Definition of primates, characteristic features, classification, primate radiation and primate locomotion

Unit3 (12 Hours)

Anatomical differences between Prosimians and Anthropoids, Old and New World monkeys, Great and Lesser apes and Humans

Unit 4 (12 Hours)

Human Evolution: Dryopithecus, Ramapithecus, Australopithecus, Homo habilis, Homo erectus, Homo sapiens, Neandertalensis, Homo sapiens sapiens

Practical (30 Hours)

Identify and draw the skull/crania of: Prosimians, Anthropoids, Old and New World monkeys, Lesser and greater apes and humans for comparisons with anatomical features.

References:

1. D. Swindler (2004). *Introduction to the primates*. Indian Overseas Press.
2. John Buettner-Janusch (1966). *Origins of Man: Physical Anthropology*. Willey Eastern Publication Ltd.
3. Pia Nystrom and Pamela Ashmore (2011). *The Life of Primates*. Prentice Hall India Learning Private Limited.
4. Russell, Tuttle. (2007). *The functional and Evolutionary Biology of Primates*. Aldine Transaction.
5. Winfried Henke and Ian Tattersall (2015). *Handbook of Palaeoanthropology*. Springer Berlin, Heidelberg.

Teaching Learning Process

Classroom teachings, Seminars, presentations and group discussion, Practical classes

Assessment Methods:
Examination schemes and mode shall be as prescribed by the Examination Branch, University of Delhi from time to time.

Keywords: Non-human primates, primate radiation, primate locomotion