

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI

Course Schedule – November 2018 – April 2019

Department : Zoology
Name/s of the Faculty : Dr. Kalpana Jayaraman (4 hours)
Course Title : Animal Behaviour
Course Code : 15ZL/MC/AB64
Shift : I

Week & No. of hours	Units & Topics	Teaching Methodology	Text & References	Method of Evaluation
Nov. 14 - 20, 2018 (Day Order 1 to 6)	Syllabus Unit 1 Introduction to behavior- its causes and significance Ethology – A brief history - Methods of studying behaviour: Observation Identification and Location of individuals Describing Recording Cataloguing Interpreting and presenting data Niko Tinbergen’s four whys	Lecture	A Textbook of Animal Behavior – Harjinder Singh Understanding Biology – Raven and Johnson Animal Behaviour – Reena Mathur	Discussion
Nov. 22 - 29, 2018 (Day Order 1 to 6)	Unit 1 Studies in Laboratories – Studies in the Wild Concepts and terms – Motivation - Fixed Action Pattern(FAP) – Sign Stimulus	Workshop on “Methodology for Animal Behaviour Studies”	Animal Behaviour – Reena Mathur Animal Behaviour – An Evolutionary Approach- Alcock	Questioning
Nov. 30 – Dec 06, 2018 (Day Order 1 to 6)	Unit 1 Innate Releasing Mechanism (IRM) - Action Specific Energy (ASE) Concept of behavioural genetics Research Methodology - The Scientific Method	Lecture PowerPoint Presentation	A Textbook of Animal Behaviour – Harjinder Singh Animal Behavior – Reena Mathur	Discussion Questioning
Dec 07 - 14, 2018 (Day Order 1 to 6)	Unit 2 Basic and Maintenance Behaviour- Maintenance	Lecture	A Textbook of Animal Behaviour – Harjinder	Submission of topics for Animal

6)	and Related Behaviour - Foraging and Caching – Shelter Seeking and Construction Research Methodology – Sampling Methods Ethogram	PowerPoint Presentation	Singh	Behaviour Project
Dec. 15 - 21, 2018 (Day Order 1 to 6)	Unit 2 Habitat Selection and Territory – Homing – Chronobiology Rhythms - Sleep Research Methodology – Scientific Writing, Getting access to scientific articles	Lecture PowerPoint Presentation	Biology of Animal Behaviour – Grier Animal Behaviour – Reena Mathur	Questioning Submission of Project outline
Jan. 03- 09, 2019 (Day Order 1 to 6)	Unit 3 Sociobiology: Communication – Methods of Study	Lecture	Biology of Animal Behaviour – Grier	Questioning
Jan. 10- 21, 2019 (Day Order 1 to 6)	Unit 3 Modes and Mechanism of Communication – Chemical, Auditory, Tactile, Visual and Electrical Social organization in Primates	Lecture PowerPoint Presentation	Biology of Animal Behaviour – Grier Animal Behaviour – Reena Mathur	Project Review of Literature deadline – January 18, 2019
Jan. 22, 2019 (Day Order 1)	-	-	-	-
Jan.23 - 29, 2019	C.A. Test			
Jan.30 – Feb 05, 2019 (Day Order 2 to 6)	Unit 3 Behaviour and Reproduction: Breeding Patterns Courtship Unit 4 Play: General attributes of Play – examples – descriptions of play behavior - theories	PowerPoint Presentation	Biology of Animal Behaviour – Grier	Questioning
Feb.06 - 13, 2019 (Day Order 1 to 6)	Unit 4 Interspecific Behaviour: Aggregations, Commensalism, Mutualism	Lecture PowerPoint	Biology of Animal Behaviour – Grier Animal Behaviour –	Questioning Project related discussion on

	Parasitism, Predation	Presentation	Reena Mathur	abnormal behaviour observed in pet/caged animals
Feb.14 - 21, 2019 (Day Order 1 to 6)	Unit 5 Internal Control of Behaviour: Brain Research Methodology: Data Analysis	Guest Lecture	Biology of Animal Behaviour – Grier Animal Behaviour – Reena Mathur	Discussion
Feb.22 – Mar. 01, 2019 (Day Order 1 to 6)	Unit 5 Internal Control of Behaviour: Neurochemicals and Neurotransmitters Hormones and Behaviour Research Methodology: Evaluating a project report	Lecture PowerPoint Presentation	Biology of Animal Behaviour – Grier Animal Behaviour – Reena Mathur	Component Quiz - February 26, 2019
Mar 04 -11, 2019 (Day Order 1 to 6)	Unit 5 Sensory worlds – vision, hearing, taste, olfaction and tactile sensation	Lecture PowerPoint Presentation	Biology of Animal Behaviour – Grier Animal Behaviour – Reena Mathur	Project Presentations and final submission of Project Report – March 5, 2019
Mar. 12 - 19, 2019 (Day Order 1 to 6)	Unit 5 Internal Control of Behaviour: Psychoactive Drugs and Human Behaviour Animal Learning – Different forms of learning – habituation, conditioning, imprinting	Lecture	Biology of Animal Behaviour – Grier A Textbook of Animal Behaviour – Harjinder Singh	Discussion
Mar. 20 - 26, 2019 (Day Order 1 to 6)	Unit 5 Abnormal Behaviour in Human Beings – Neurotic Disorder – Phobic and Obsessive Compulsive Disorder (OCD) Psychotic Disorder - Schizophrenia	Lecture	Animal behavior – Psychology Ethology and Evolution – McFarland Biology of Animal Behaviour – Grier	Discussion
Mar. 27 - 28, 2019	REVISION DAYS			

(Day Order 1 to
2)

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