Prerequisites for the	Basic knowledge of animal science and behaviour.	
course:		
<u>Objective:</u>	This course develops concepts in the behaviour of animals such as underlying genetic and molecular mechanisms of behaviour as well as its importance in the animal kingdom	
<u>Content:</u>	Module 1: Introduction to Behaviour: Evolution of behaviour: natural selection and behaviour, Behaviour genetics: single gene and behaviour, polygenic inheritance behaviour, Heritability of behaviour, colony and behaviour, adaptational behaviour, social behaviour: sexual selection, altruism, social organization.	12 hours
	Module 2: Mechanism of Behaviour: Mechanism of behaviour: Natural control of behaviours, sensory process and perception, Homeostasis and behaviour, behaviour in changing environment. Animal learning and decision making, mentality of animals: language and mental representation, Intelligence, tool using, animal awareness and Emotion	12 hours
Pedagogy:	lectures/ tutorials/assignments/self-study	
References/Readings	 Alcock, J, Animal Behavior, Sunderland Sinauer Associates Bonner JT, Evolution of Culture in Animals, Princeton Univ Press. New Jersey Ehrman L and Parsons PA, The Genetics of Behavior, Sinauer Associates, Massachusetts. Halliday T, Sexual Strategies, Oxford University Press, Oxford. Lythgoe, JN, The Ecology of Vision, Clarendon press, Oxford McFarland D, Animal Behavior, ELBS Longman Publ. London 	
Learning Outcomes	 Understand the genetic and molecular mechanisms underlying behaviour. Gain insight on the different types of behaviours used for survival in the animal kingdom 	