Programme: M. Sc. (Zoology)
Course Code: ZOO-408 **Title of the Course:** Medical Entomology
Number of Credits: 2
Effective from AY: 2018-19

Prerequisites for the course:	Should have studied B. Sc. Zoology with assumption that the student has a basic working knowledge of classical faunal biological diversity.	
Objective:	This course will help the learner to understand the concept and components of insects involved in causing diseases. Their life cycles, epidemiology etc.,	
Content:	**Module 1**: Insect as disease vectors; Innate behaviour of insects; taxonomy , morphology of disease vectors and their life cycles; Life cycles of major vector borne diseases; Factor in disease transmission. **Module 2:** Vector ecology; Vector behaviour; modern vector biology; Proteogeomics of vectors; Chemical and biological and environmental control of vectors; Integrated vector management.	12 hours 12 hours
Pedagogy:	Lectures/ tutorials/assignments/self-study	
References/Readings	1. Bruce ED, Eldridge F and Edman JD, Medical Entomology, Kluwer Academic Publishers, UK. 2. Kahn HA, Introduction of Epidemiology Methods, Oxford University Press, New York. 3. Snodgrass RE , Principles of Insect Morphology Tata McGraw Hill publishing co. India.	
Learning Outcomes	1. Learner will understand the concept and components of vectors, their behaviour, taxonomy, morphology, life cycles etc., 2. Understand vector ecology, proteogeomics and their control.	