

Name of the Program: M.Sc. Marine Microbiology

Course Code: MMI-532

Title of the Course: Marine Zooplankton - Practical

Number of Credits: 01

Effective from AY : 2022 - 23

Prerequisites for the course:	Knowledge of marine ecology is a prerequisite.	
Objective:	To get practical knowledge of handling the sampling, microscopy and molecular identification of zooplankton.	
Content:	1. Sampling of marine zooplankton (6 hrs; Ref 1-2) 2. Identification of marine zooplankton up to different groups or order (6 hrs; Ref 1-3) 3. Methods of biomass estimation (3 hrs; Ref 1-3) 4. Grazing studies (dilution plot) (15 hrs; Ref 1-3)	30 hrs
Pedagogy:	Field visit, Experiments in the laboratory	
References/ Readings:	1. Omori, W. and Ikeda, T. (1984). Methods in Marine Zooplankton Ecology, John Wiley & sons, N.Y. 2. Harris, R., Wiebe, P., Lenz, J., Skjoldal, H.R., Huntley, M. (2000). Zooplankton Methodology Manual, ICES Academic Press, San Diego. 3. Guglielmo, L. and Ianora, A. (1997). Atlas of Marine Zooplankton Straits of Magellan: Amphipods, Euphausids, Mysids, Ostracods, and Chaetognaths, Springer-Verlag, Berlin, Heidelberg.	
Course Outcomes:	1. Use the knowledge to conduct collection and preservation of zooplankton specimens. 2. Analyse microscopically different zooplankton groups based on morphology. 3. Analyse the zooplankton community based on biomass and grazing behaviour.	