

Programme: M. Sc. (Marine Sciences)

Course Code: MSO 274

Number of Credits: 01

Effective from AY: June, 2018-19

Title of the Course: Marine Biology II

Prerequisites for the course:	Degree of Bachelor of Science of this University or an examination of any other University recognized as equivalent.	
Objective:	This course focuses on provision of basic concepts of marine biological and ecological processes. This also educates students to learn different aspects of food chains and their coupling in the marine environments.	
Content:	Marine productivity - heterotrophic processes and pathways, herbivory and grazing, zooplankton sampling, constraints, methods of biomass estimation, ontogeny and vertical migrations, mud bank formation, processes and fisheries.	12 hours
Pedagogy:	lectures/ tutorials/assignments/self-study	
References/ Readings	<ol style="list-style-type: none">1. Marine Biology. 8th Edition – 2009 Castro, P. and Huber, M. McGraw Hill Education. 461 pp.2. Introduction to Marine Biology. 4th Edition. – 2012, Krleskint, G., Turner, R., Small, J., Cengage Learning. 576 pp3. Biological oceanography 1999 – Lalli, C.M., Elsevier Ltd.4. Methods in Marine Zooplankton Ecology, 1984 Omori, W. and Ikeda, T. Wiley5. The Invertebrates (3rd Edn.), 1986 – Barnes, R.S. K. Blackwell Science6. Zooplankton Methodology Manual, 2000 - Harris, R., Wiebe, P., Lenz, J., Skjoldal, H.R., Huntley, M. (Eds), ICES Academic Press, San Diego, pp. 68	
Learning Outcomes	Provision of knowhow to marine biological processes related to secondary production and fisheries.	