

Name of the Program: M.Sc. Marine Microbiology

Course Code: MMI-616

Title of the Course: Blue Economy

Number of Credits: 01

Effective from AY: 2022 - 23

Prerequisites for the course:	Students should have undergone M.Sc. Marine Microbiology/Marine Biotechnology Semester III Courses.	
Objective:	To create awareness of global and national stand on blue economy, its economic and ecological significance.	
Content:	Module I Introduction to blue economy: Rio +20 summit, definition, importance and implications. Framework for sustainable development. International legal framework for fisheries. Small Islands Development States (SIDS). Climate change impact. Indian Ocean Rim Association (IORA) Blue carbon hub (mangroves, tidal marshes, sea grasses). Blue economy: issues and opportunities. Indian's blue economy policy framework. National Fisheries Development Board (NFDB) schemes and blue revolution. Potential of blue economy in Indian Ocean: fish production, deep sea minerals and trade benefits.	15 hrs.
Pedagogy:	Lectures/ assignments/ self-study.	
References/ Readings:	<ol style="list-style-type: none">1. Morgan, P. J., Huang, M. C., Voyer, M., Benzaken, D., & Watanabe, A. (2022). <i>Blue economy and blue finance toward sustainable development and ocean governance</i>. ISBN 978-4-89974-252-4. https://doi.org/10.56506/HDLZ1912.2. Blue economy policy - https://incois.gov.in/documents/Blue Economy policy.pdf3. Diez, S. M., Patil, P. G., Morton, J., Rodriguez, D. J., Vanzella, A., Robin, D., Maes, T., & Corbin, C. (2019). <i>Marine pollution in the Caribbean: Not a minute to waste</i>. Washington DC: World Bank Group.4. http://documents.worldbank.org/curated/en/482391554225185720/pdf/Marine-Pollution-in-the-Caribbean-Not-a-Minute-to-Waste.pdf5. NFDB Schemes & blue revolution – Inland fisheries schemes. National Fisheries Development Board. http://nfdb.gov.in.	
Course Outcomes:	<ol style="list-style-type: none">1. Garner knowledge of blue economy and its significance.2. Create awareness of legal frameworks for fisheries.3. Formulate draft framework under India's blue economy policy.4. Evaluate the potential of blue economy in India.	