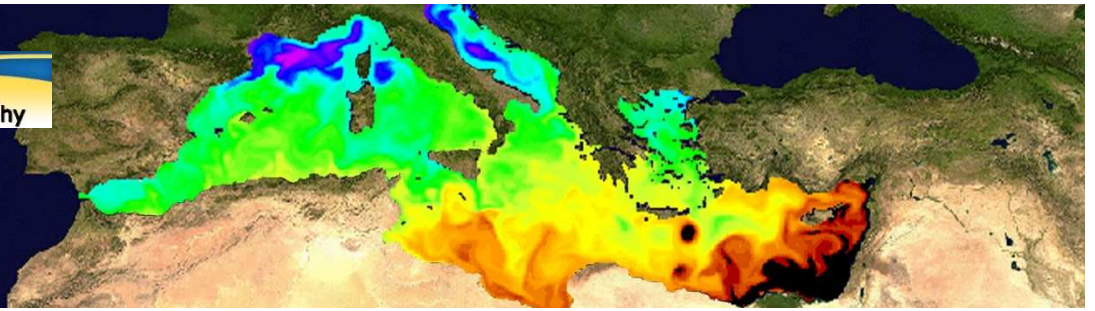


M.Sc. in Applied Oceanography



Master of Science in Applied Oceanography

Operational Oceanography and Marine Studies

offered by the Physical Oceanography Unit of the IOI-Malta Operational Centre at the University of Malta

**OPEN UP YOUR TALENTS TO THE OCEANS...
GET GEARED TO JOIN THE QUALIFIED AND COMPETENT WORKFORCE THAT
MEETS THE GROWING DEMANDS UNDERPINNING THE COMPETITIVENESS OF
THE MARINE INDUSTRY AND SERVICE SECTORS...
THIS IS THE RIGHT COURSE FOR YOUR AMBITIOUS FUTURE!**

The course is intended to train post-graduate students and professionals on state-of-the-art methodologies and tools to measure, understand and predict the marine environment, and derive sustained benefits from the sea. It is elaborated over seven specialized study units spanning and merging the scientific, technical and applicative aspects of oceanography to offer students a wide-ranging integrated approach, linking science to management, putting technology at the service of users and stakeholders, and providing tools and training for more efficient service oriented applications. Targeted areas of such applications include: environmental monitoring and surveillance, assessment and mitigation of risks, marine science-based policy development and strategic planning, climate change, sustainable resource exploitation, ocean governance, marine industries and service provision, and the overall empowerment of human resources to face current and emerging challenges in the marine domain.

While retaining the necessary scientific elements related to the acquisition and use of data and its transformation into knowledge, the course targets to put an emphasis on achievement of skills, and empower students to excel in performance on applications and operational practices.

The course is delivered with the participation of an international faculty including high profile experts in operational oceanography.

RELATED JOB OPPORTUNITIES

- Marine impact assessment and specialized analysis of environmental risks
- Research fields in oceanography and the marine environment
- Management of coastal/marine resources
- Marine-related industries, services and economic activities
- Policy-making and governance
- Environmental monitoring
- Marine observations and forecasting
- Data mining, management, quality control and archival

SCHOLARSHIPS

Scholarships are available for local and foreign students with high academic records relevant to the course

Deadline: 31st March 2014 (foreign applicants)
30th April 2014 (local applicants)



Image by Glynn Gorick (glynn@gorick.co.uk)

COURSE MODULES

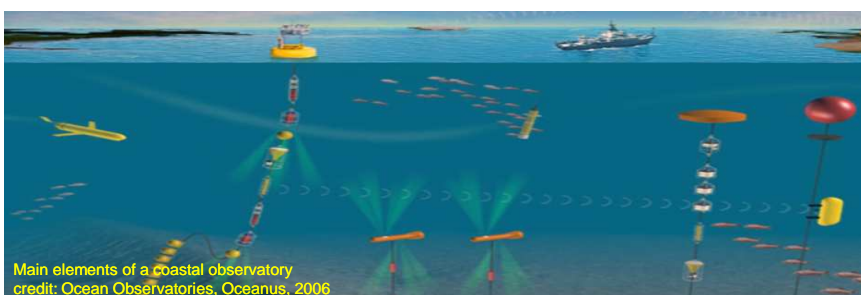
- Scientific Baseline of Oceanography
- Practical Baseline of Oceanography
- Essentials of Operational Oceanography
- Data Resources in Oceanography
- Boot Camp - Field survey and hands-on marine data analysis
- Principles of Ocean Governance
- Applications and Services deriving from Operational Oceanography

For more info:
www.um.edu.mt/ioi-moc/msc

Register at:
www.um.edu.mt/apply

Course Coordinator:
Prof. Aldo Drago

For further information:
Tel: 00356 21440972
Email: aldo.drago@um.edu.mt



Main elements of a coastal observatory
credit: Ocean Observatories, Oceanus, 2006