



Co-funded by the
Erasmus+ Program
of the European Union



INSTITUTE OF
OCEANOGRAPHY
AND ENVIRONMENT

Faculty of Science and Marine Environment



WP2.1 : Summary of courses development

1. Master of Science (Research)
New Subject: Tropical Oceanography
2. Bachelor of Science (Marine Science) Program
Existing subject Environment: Issue and Global Perspective
3. Bachelor of Science (Marine Science) Program
New Subject Marine Resources Management

No	Subject Name	Date of approval	Approved by	Accreditation status
1	Tropical Oceanography (ONC5003)	17 th Dec 2020	Institute of Oceanography and Environment (INOS)	Approved
		5 th Jan 2021	Universiti Malaysia Terengganu Program Academic Management Committee (JPPPU)	Approved
		24 th Feb 2021	Universiti Malaysia Terengganu Senate	Approved
2.	Environment: Issue and Global Perspective (MMS3003)	18 th Feb 2021	Department of Marine Science	Approved
		2 nd Mar 2021	Faculty of Science and Marine Environment	Approved
3.	Marine Resources Management (MMS3623)	18 th Feb 2021	Department of Marine Science	Approved
		2 nd Mar 2021	Faculty of Science and Marine Environment	Approved
		14 th July 2021	Universiti Malaysia Terengganu Program Academic Management Committee (JPPPU)	Approved
		25 th July 2021	Universiti Malaysia Terengganu Senate	Approved

***The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein**



Co-funded by the
Erasmus+ Programme
of the European Union



INSTITUTE OF
OCEANOGRAPHY
AND ENVIRONMENT

Faculty of Science and Marine Environment



Course proposed	Environment: Issues and Global Perspective (MMS3003)	Marine Resources Management (MMS3623)	Tropical Oceanography (OCN5003)
Course status	Revised Subject	New Subject	New Subject
The title of the academic program involved	Bachelor of Science (Marine Science) Bachelor of Science (Chemical Sciences) Bachelor of Science (Biological Sciences)	Bachelor of Science (Marine Science)	Masters of Science (by Research)
Number of credits	3 credit (4 ECTS)	3 credit (4 ECTS)	3 credit (4 ECTS)
MARE TOPIC	(6) marine pollution	(4) fisheries, seabed resources & food security (6) marine pollution	(1) coastal science
Contents updated	Course content: 1. Global issue and sustainability 2. Environmental pollution issue 3. Act locally think globally 4. Climate change and global warming 5. Ocean resources and value 6. Renewable and non-renewable energy resources 7. Perspective of human's relationship with nature 8. Care our home (Documentary) 9. Politics, socio economic, environment and sustainable development 10. Current issue	Course content: 1. Introduction to Marine Resources 2. Conservation of Marine Resources 3. Pollution of Marine Resources 4. Fisheries Resources Sustainability 5. Seafood safety and security Policies and Acts to manage marine resources 6. Current issues	Course content: 1. Physical processes of South China Sea 2. Upwelling dynamics and processes 3. Tropical ocean and climate change 4. Seawater chemistry 5. Ocean productivity 6. Marine pollution 7. Geological Oceanography 8. Major geological events 9. Paleoceanography

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein



Co-funded by the
Erasmus+ Programme
of the European Union



INSTITUTE OF
OCEANOGRAPHY
AND ENVIRONMENT

Faculty of Science and Marine Environment



Date of accreditation	2 nd March 2021	25 th July 2021	24 th February 2021
Final Accreditation body	Faculty of Science and Marine Environment	Senate University Malaysia Terengganu	Senate Universiti Malaysia Terengganu
Estimated starting date, dd/mm/yy	21 st March 2021	10 th October 2021	21 st March 2021
Number of students accepted in the first year	50 + 59	41	12
Number of students to be accepted in the second year	Estimated 50 students	Estimated 40 students	Estimated 15 students
Teaching staff	Assoc. Prof. Dr. Ong Meng Chuan Dr. Tuan Mohamad Fauzan Tuan Omar	Dr. Adiana Ghazali Meii Mohamad Norizam	Prof. Dr. Mohd Fadzil Mohd Akhir Assoc. Prof. Dr. Ong Meng Chuan Dr. Fatin Izzati Minhat
Teaching methods	Teaching Method: On-line teaching, video lecture, talk by working professional	Proposed Teaching Method: Face-to-face (after easing on movement control), on-line teaching, video lecture, talk by working professional	Teaching Method: On-line teaching, video lecture, tutorial, talk by working professional, discussion
Learning methods	Teaching Method: Case study, Team/Individual Research assignment, video presentation.	Proposed learning method: Case study, Team/Individual Research assignment, presentation poster/oral/video.	List of learning method: Case study, Team/Individual Research assignment, written report.
Changes in course materials	Course material: Video lecture, Lecture notes/slides, online resources	Course material: Video lecture, Lecture notes/slides, online resources	Course material: Video lecture, lecture notes/slides, online resources, software, online database

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein



Co-funded by the
Erasmus+ Programm
of the European Union



INSTITUTE OF
OCEANOGRAPHY
AND ENVIRONMENT

Faculty of Science and Marine Environment



Evaluation methods	Evaluation method: Online final exam and test, Assignment grading	Evaluation method: Online final Exam and test, Assignment grading, peer assessment	Evaluation method: Online final Exam and test, Assignment grading
Any innovation?	Online interactive learning and assessment	Online interactive learning and assessment	Online interactive learning and assessment

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein