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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
		Pending	Universiti Malaysia Terengganu Program Academic Management Committee (JPPPU)	Awaiting approval from JPPPU
		Pending	Universiti Malaysia Terengganu Senate	Submission to Senate after JPPPU approval

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Course proposed	Environment: Issues and Global Perspective	Marine Resources Management	Tropical Oceanography
Course status	Revised Subject	New Subject	New Subject
The title of the academic program involved	Bachelor of Science (Marine Science)	Bachelor of Science (Marine Science)	Masters of Science (by Research)
Number of credits	3 credit (5 ECTS)	3 credit (5 ECTS)	3 credit (5 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

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Date of accreditation	2 nd March 2021	Pending senate approval	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	Estimated to be offered on October 2021	21 st March 2021
Number of students accepted in the first year	50	Not yet offer (estimated 40)	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	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

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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

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