



**Oceania** e-Learning@UMT

**Pelajar Ijazah** Degree Students



# MMS3623 – MARINE RESOURCES MANAGEMENT

Dashboard / My Courses / MMS3623

## MARINE RESOURCES MANAGEMENT (MMS3623)

### Welcome to join us

Open for registration:  
August 2021 onwards

Subject Start Date:  
Semester II 2021/2022

### Topics

1. Introduction to Marine Resources
2. Conservation of Marine Resources
3. Pollution of Marine Resources
4. Fisheries Resources Sustainability
5. Seafood Safety and Security
6. Policies and Acts to Manage Marine Resources
7. Current Issues Discussion

### Learning Outcomes

Correctly interpret the management of marine resources available and the interaction between biotic and abiotic factors without affecting the carrying capacity of the ocean  
Demonstrate relevant ideas or models to overcome the problems of marine resource pollution.  
Clearly explain policies and acts that are widely used for sustainable marine resources management.



### Course Summary

This course introduces the concepts of marine resources and management of marine environments, its complex interactions between flora and fauna ecosystem include fisheries resources, coral reefs communities and mangrove forests. Students will gain a knowledge and understanding of marine pollution, fisheries resources management, food security and safety, marine conservation, marine protected areas, coastal zone management, strategies for sustainable development and other topics of contemporary relevance. The course also will highlight the marine resources policy and the environmental and social implications of that policy. The current issue related to marine resource pollution also will be discussed in this course.



### Instructors



Assoc. Prof. Dr. Ong Meng Chuan



Dr. Adiana Ghazali



Dr. Tuan Mohamad Fauzan Tuan Omar



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Erasmus+ Programme  
of the European Union

Turn editing off



 COURSE INTRODUCTION

— MMS3623 —  
**MARINE RESOURCES MANAGEMENT**



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

Lecturer



ONG MENG CHUAN



ADIANA GHAZALI



Clock



Server:

Sat 12:15pm



You:

Sat 12:15pm





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The aim of the course is to provide students with the concepts and inventory of marine resources, marine resources policy and its implication and management of marine environments, its complex interactions between flora and fauna ecosystem include fisheries resources, coral reefs communities and mangrove forests.

## SYLLABUS & MyCA

 MMS3623 SYLLABUS

 MMS3623 MyCA

**E-LEARNING FOR**

**DEGREE STUDENT**

**SESSION 2 2020/2021**

**e-Learning Support**

**By Phone :**

**1st Level Support**

**(09-6683674 )**

**(09-6683384 )**

**(09-6684434 )**



## LECTURE NOTES



### LECTURE 1 – INTRODUCTION TO MARINE RESOURCES

This lecture discusses the definition of marine resources, type of resources and how human associate with the resources. Students are given an opportunity to present the important and usage of marine resources.



### LECTURE 2 – CONSERVATION OF MARINE RESOURCES

This lecture discusses the importance of marine biodiversity to human and environment; and IUCN Redlist organisms. Students are given an opportunity to suggest how to protect the resources and present what is marine protected area.



### LECTURE 3 – POLLUTION OF MARINE RESOURCES

This lecture discusses the type and effect of pollution on marine resources. Students are given an opportunity to suggest prevention and control of marine pollution.



### LECTURE 4 – FISHERIES AND RESOURCES SUSTAINABILITY

This lecture discusses the fish population and stock in our ocean, and the importance to harvest the fisheries resources sustainably. Students are given an opportunity to suggest how to protect this resources for future generations.



## LECTURE NOTES

### LECTURE 5 – SEAFOOD SAFETY AND SECURITY

This lecture discusses the seafood contamination by biological and chemical hazard, the seafood safety guidelines and quality control in the resources. Students are given an opportunity to suggest how to ensure the safety and quality of the seafood resources.

### LECTURE 6 – POLICIES AND ACTS TO MANAGE MARINE RESOURCES

This lecture discusses the laws and policies related to the marine resources management such as fisheries, coral reefs and mangrove ecosystem. Students are given an opportunity to suggest how to apply these policies if they act as policy makers.





# VIDEO RELATED TO ENVIRONMENT

-  Marine Resources
-  Sustainable Oceans: Marine Biodiversity for the Future We Want
-  How to Save Our Planet
-  Ocean Exploration and Sustainable Use of Marine Resources
-  Sustainable Use of Marine Resources
-  Marine Resources and Their Use
-  Sustainable Management of Marine Resources
-  The Economics of Marine Resources and Biodiversity
-  Marine Resources Documentary
-  Protecting Our Marine Resources



## ASSIGNMENTS

### ASSIGNMENT 1 – TYPES OF MARINE RESOURCES

What are the main marine resources that Malaysia have? Discuss in infographic form (Poster format) with pictures.

### ASSIGNMENT 2 – MARINE POLLUTION

What are the main marine pollution that affected our environment? Discuss 5 types of pollution including sources and impact to human, organisms and environment.

### ASSIGNMENT 3 – POLICIES RELATED TO MARINE RESOURCES

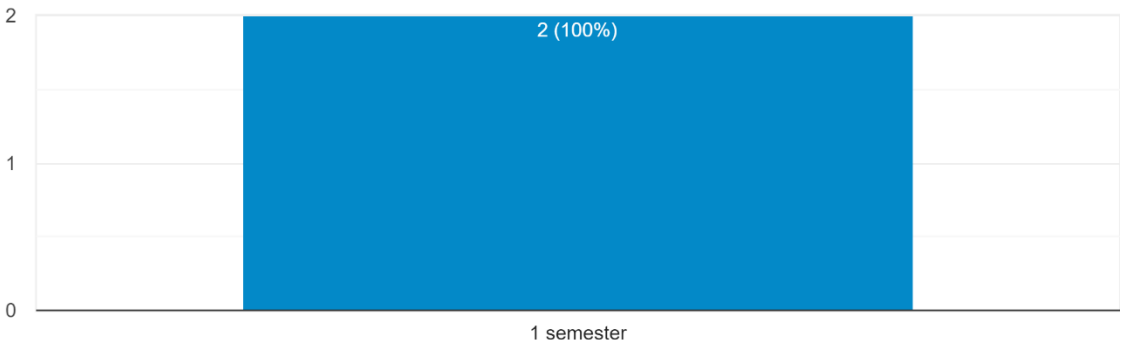
Imagine you are working with government that in charge the marine resources? Discuss how you can apply those policy to (1) fisheries resources; (2) marine park; (3) mangrove ecosystem.



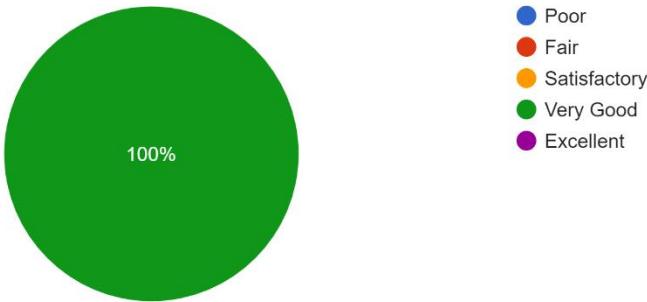
# MARE COURSE EVALUATION

## MARE Course Evaluation (Teacher) SEMESTER I 2021/2022

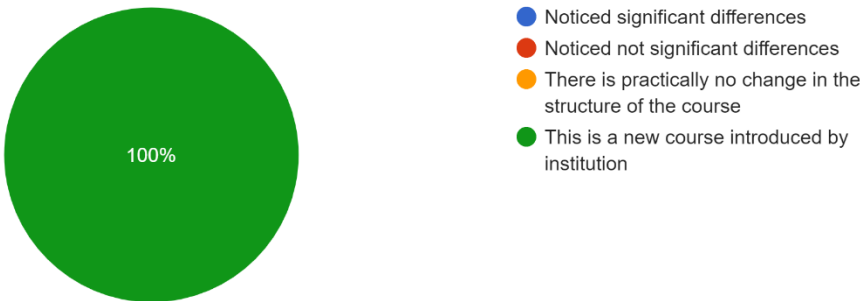
How long have you teach the topic?  
2 responses



Your overall assessment of the updated course.  
2 responses



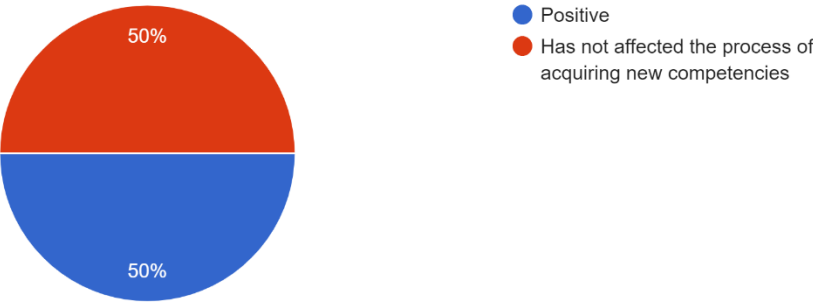
Have you noticed any differences in the curriculum of the new course compared to the old one?  
2 responses



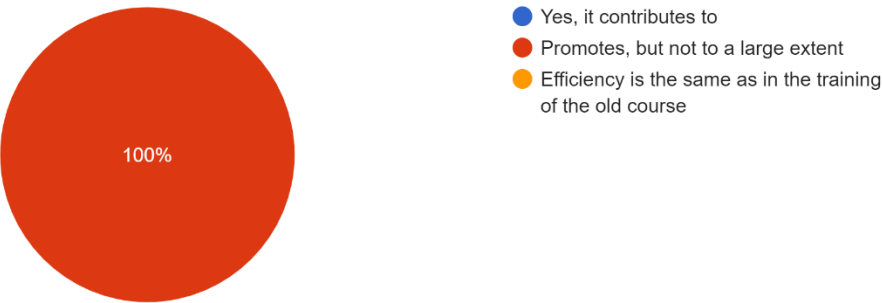
How do you assess the changes in the Curriculum and the contents of the modules of the new course that have emerged in terms of improving t...rning outcomes to the actual needs of employers?  
2 responses



How do you assess the impact of increased usage of ICT technology to the process of teaching students in the new course?  
2 responses



Does the new course contribute to a more efficient process of acquiring the competencies provided by the Curriculum?  
2 responses

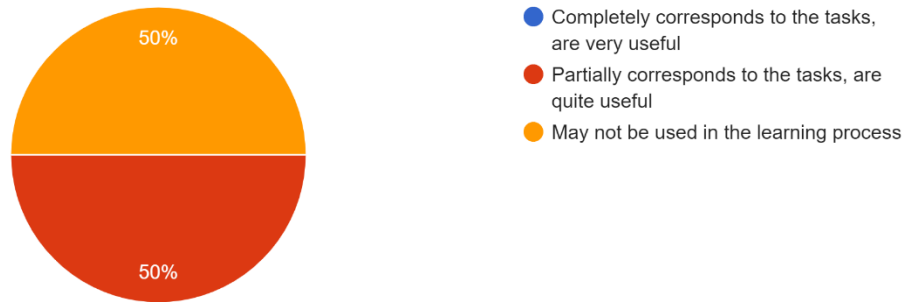




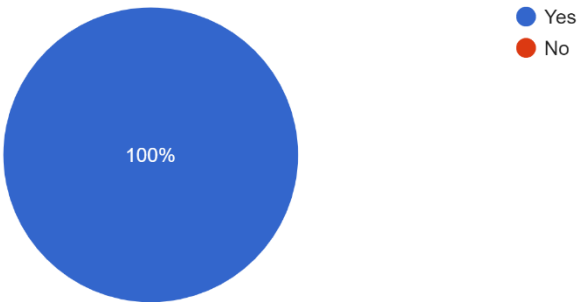
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## MARE Course Evaluation (Teacher) SEMESTER I 2021/2022

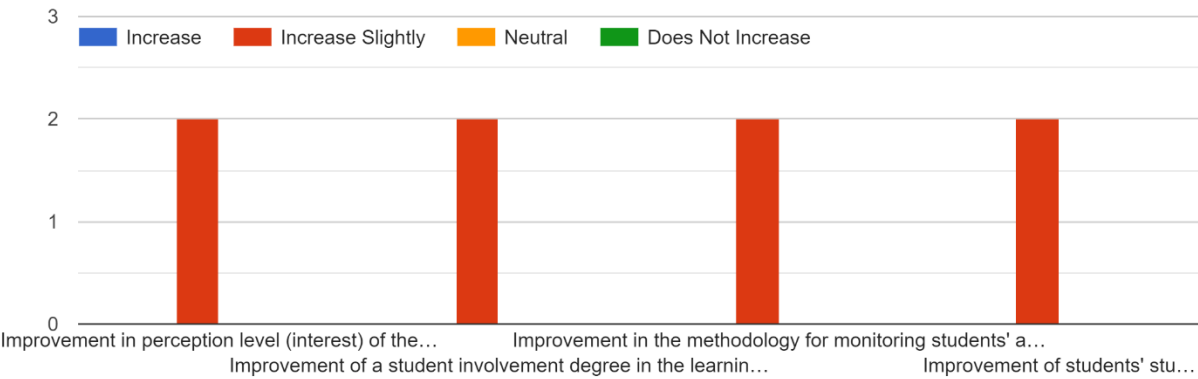
How useful do you think to usage of video lectures in a hybrid learning model?  
2 responses



Does the teaching and learning methods, TLM needs to be refined for any part of the course?  
2 responses



Has the effectiveness of the new course increased in terms of ...?



**Provide suggestion in how can we improve the TLM for this course.**

2 responses

I would like to bring students to wet markets/hands on for chapters on fishery, food safety n sustainability

More discussion and online games is needed to have better 2-ways interaction especially during on-line classes.

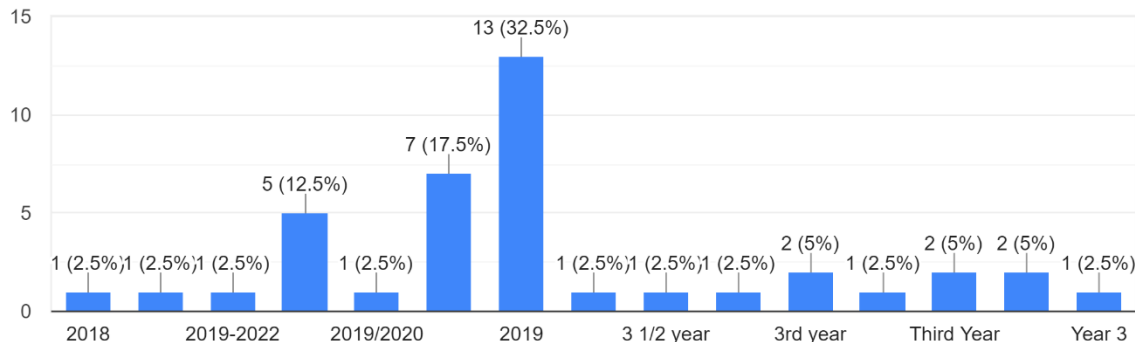


# MARE COURSE EVALUATION

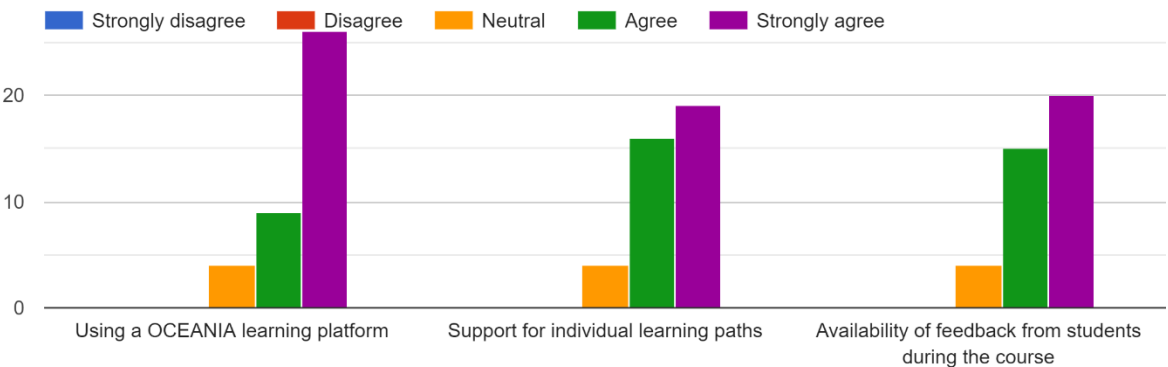
## MARE Course Evaluation (Student) SEMESTER I 2021/2022

Undergraduate Year (since year of registration)

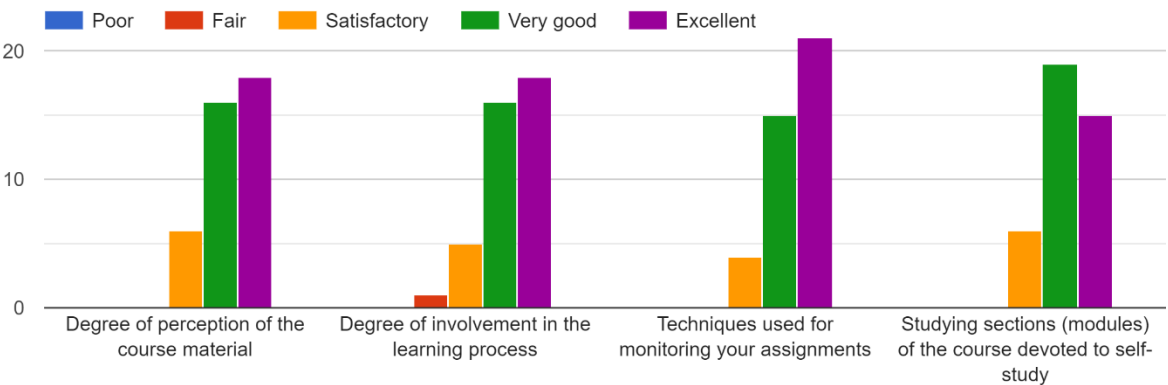
40 responses



What aspects of the course do you find most useful and interesting in the learning process?

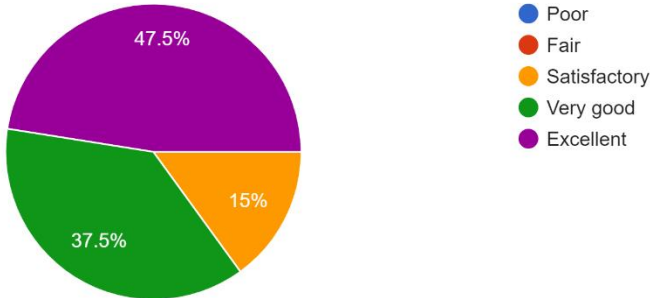


In your opinion, how is the effectiveness of the course :

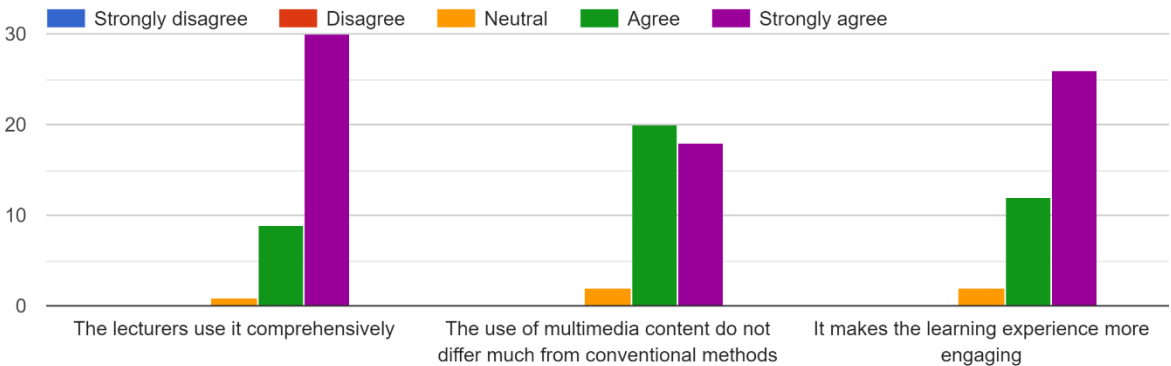


Your overall assessment of the attended course. Does the course interesting to you?

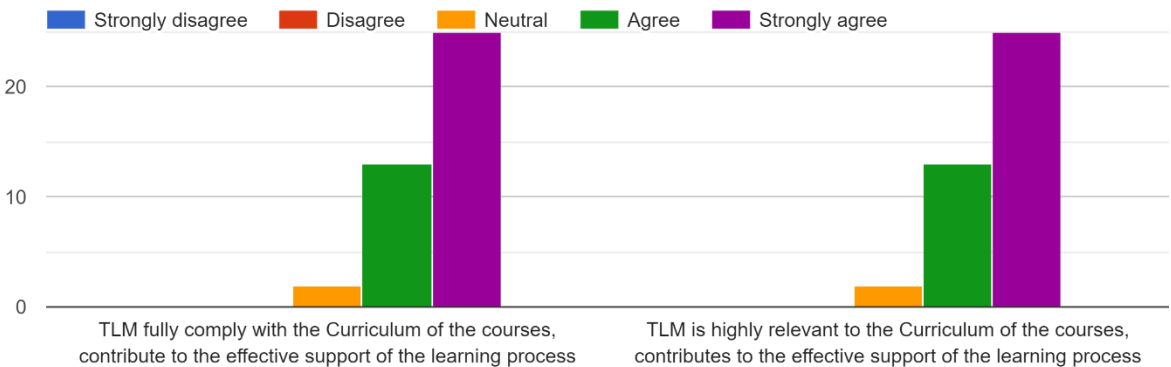
40 responses



The usefulness of OCEANIA e-learning platform for the course



How do you evaluate the teaching and learning materials (TLM) that support the courses? Do they effectively support the learning process for the course?







## MARE COURSE EVALUATION

### MARE Course Evaluation (Student) SEMESTER I 2021/2022

#### What aspects of this course were most useful or valuable?

##### 33 responses

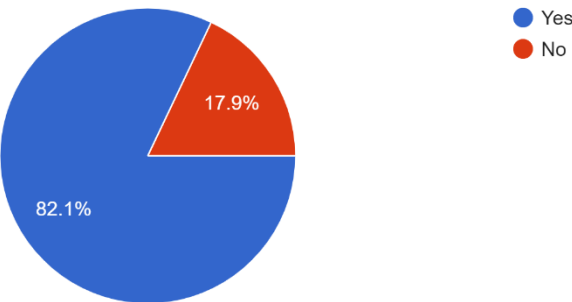
- Useful
- The important of marine resources
- the current issue of environment that effect marine resources
- Policy and plan to manage and sustain the marine resources
- Policy to protect marine resources
- IMPORTANCE OF MARINE RESOURCES
- the content of the module very good and i can understand the whole notes
- Assignment
- learn a lof of principles and practices of environment managenent and also the current issue about our environment
- about law
- Learning
- I get to understand more about how each countries applying guideline and jurisdiction in the law through international marine resources convention that held for several years
- Food security and safety. Value of the marine resources.
- Accessibility to the different policies
- They way how they approach student in study, assignment and others
- Learn about how to improve our already bad environment.
- Marine Resources that is highly valuable and its utilization.
- Acquiring solid and good knowledge to myself.
- Learning aspect
- Thinking and memorizing that being use in the subject.
- The teaching method from the lecturer as lecturer mix both clear explanation and simple game to revise and fully understand the lecture note.
- how to conserve marine resources
- The teaching and learning aspects was very good throughout the semester.
- I have increased understanding about laws and regulations regarding fishing in Malaysia as well as the demarcation of fishing zones.
- The learning process of this course were most useful.
- The details information about the marine resources.
- advance in exploring the marine resources and the way to minimize the uses of marine resources
- Assignments were relavant and useful. All the topics covered in the lectures were very informative and therefore the information itself is very valuable.
- the way of lecturer present to us about the topic
- The regulations and law on ocean.
- I can know more in details on the marine resources in Malaysia and international.
- The part where all the acts and policies are taught because it can add to my understanding of the rules and laws found in the marine environment.



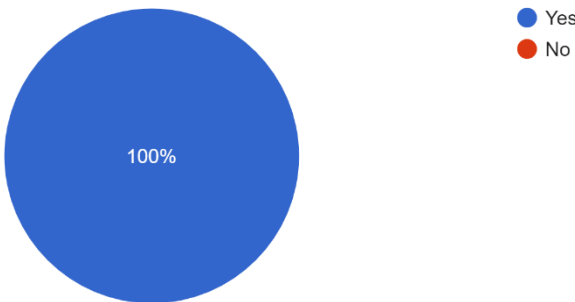
# MARE COURSE EVALUATION

## MARE Course Evaluation (Student) SEMESTER I 2021/2022

Was your personal level of training sufficient enough to understand the course?  
39 responses



Will you recommend this course to other students in UMT  
40 responses



### What new skills have you personally acquired as a result of studying this course?

33 responses

- Quick thinking skills
- current issue
- Know more about management environment
- More details on multiple ways to manage the marine resources.
- Quick thinking skill
- I am more aware of the importance of keep marine environment more better and strongly take care of marine resources.
- i know a lot regarding the law and regulation on marine environment and i'm sure i'll apply it on my daily life
- Independence
- understanding about law of ocean
- Knowledgeable using software like ODV and others
- Improve my observation skills from reading all the related articles





## MARE COURSE EVALUATION

### **MARE Course Evaluation (Student) SEMESTER I 2021/2022**

- Learn more about the marine resources
- Good ethics in assignment
- GIS application
- Interpersonal skills
- I learned the law of our ocean in relation to the marine resources found in our sea.
- Writing report skill
- Know more about the law and policies specifically for the ocean part.
- Gain more knowledge skills on understanding variety of policies and legislation for marine
- I acquire lots of new knowledge regarding the marine resources management especially what should I do and what should I don't towards the marine resources. Other than that, conservation and protection towards marine resources are the significant tools in order minimise the usage of marine resources.
- Find information within the right sources
- I learn to prepare myself before the class and it also improve my quick thinking skill.
- I am able to dissect information more efficiently for an assigned report.
- Communication and research skills.
- Manage time
- Thinking skills.
- Gain some knowledge about law of marine
- more understanding the best way to use the marine resources and learning new alternative that replace the uses of marine resources
- Critical thinking and communication skills.
- now about the marine resources deeply
- I got a sense to know new knowledge about laws in marine. So, i can apply it to the community.
- I can explain more about the policies and plan that used in marine environment issues and explain about how to properly maintain and used the marine resources.

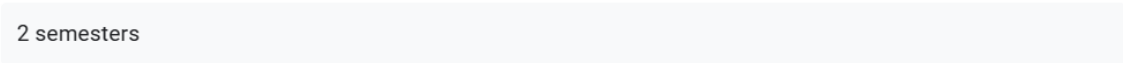


# MARE COURSE EVALUATION

## MARE Course Evaluation (Teacher) SEMESTER I 2022/2023

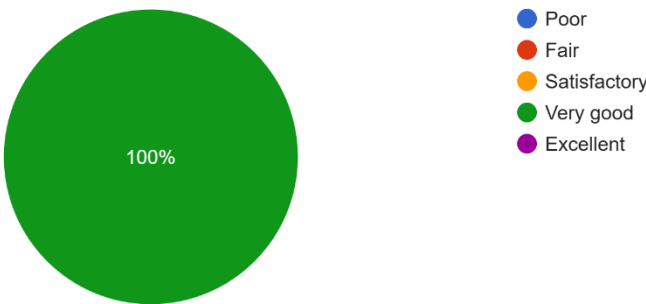
How long have you taught the topic?

1 response



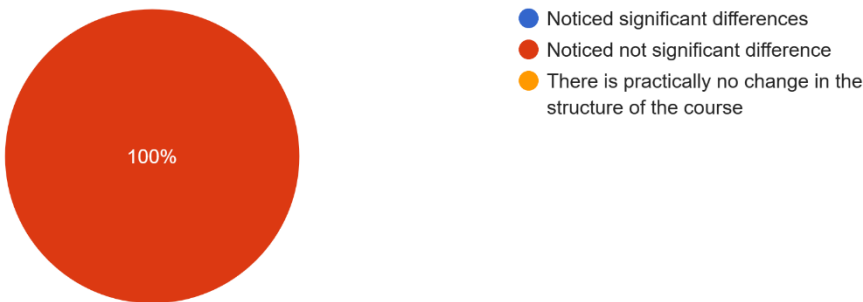
Your overall assessment of the updated course?

1 response



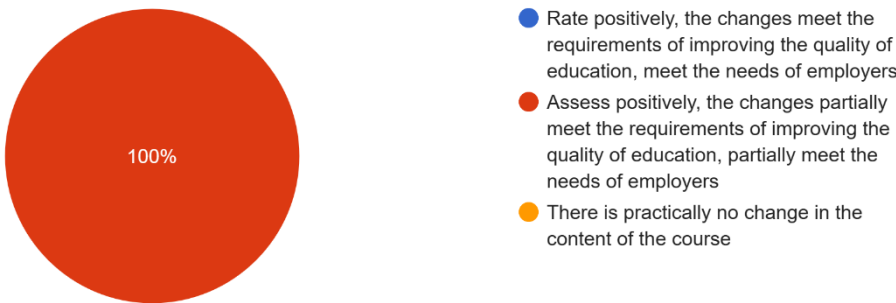
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1 response



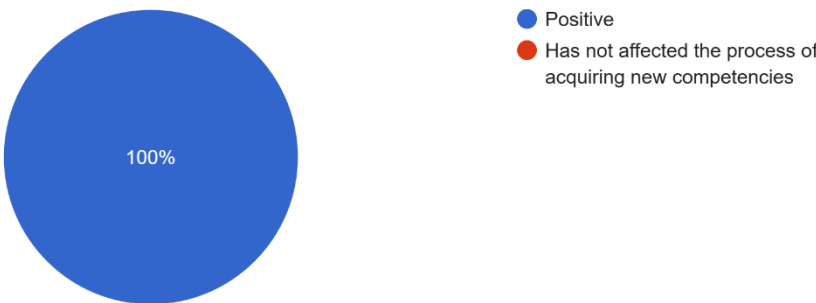
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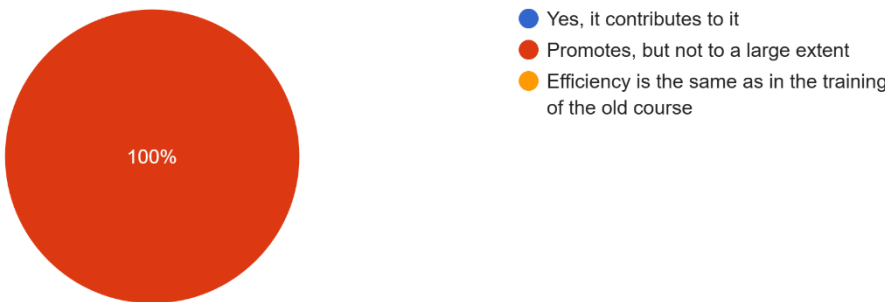
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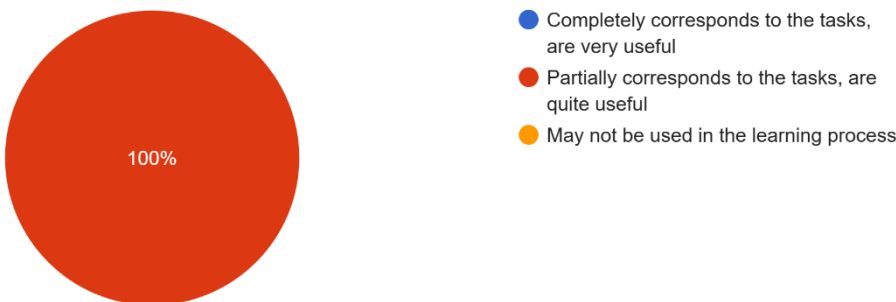
Does the new course contribute to a more efficient process of acquiring the competencies provided by the Curriculum?

1 response



How useful do you think to usage to usage of video lectures in a hybrid learning model

1 response

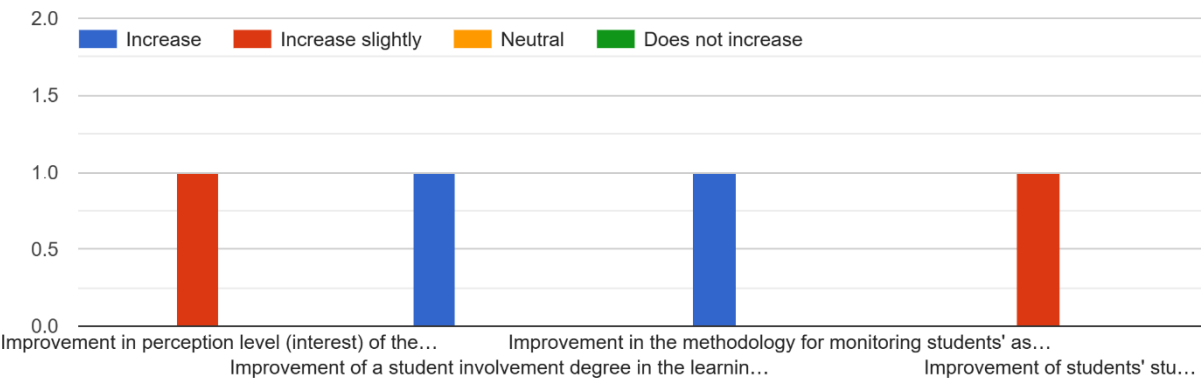




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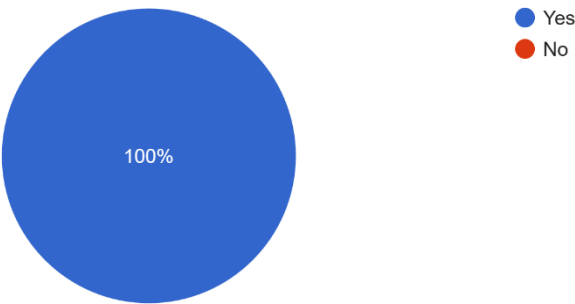
## MARE Course Evaluation (Teacher) SEMESTER I 2022/2023

Has the effectiveness of the new course increased in terms of ...?



Does the teaching and learning methods, TLM needs to be redefined for any part of the course?

1 response



Provide your suggestion in how we can improve the TLM for this course.

1 response

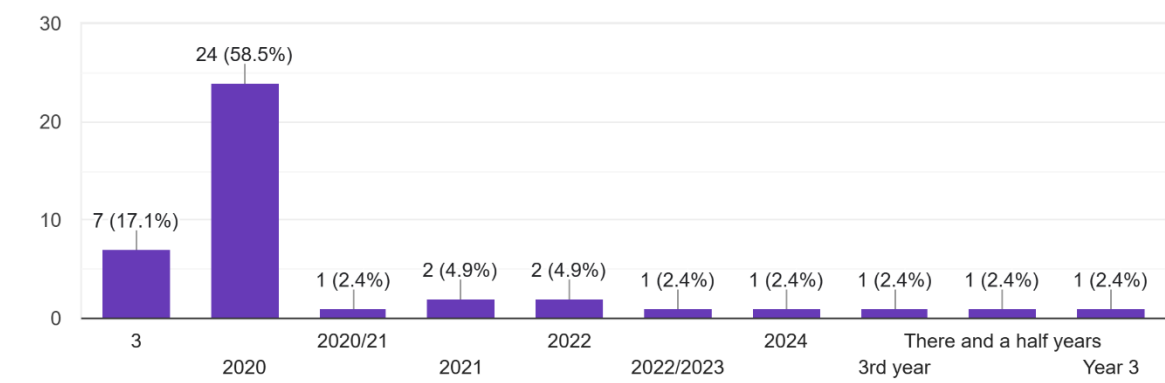
Increase engagement with industrial partner since there is significant improvement in student's learning.



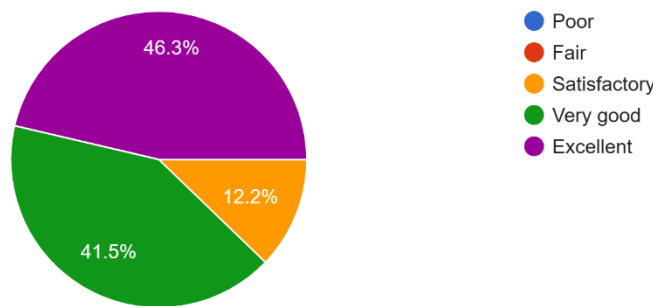
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## MARE Course Evaluation (Student) SEMESTER I 2022/2023

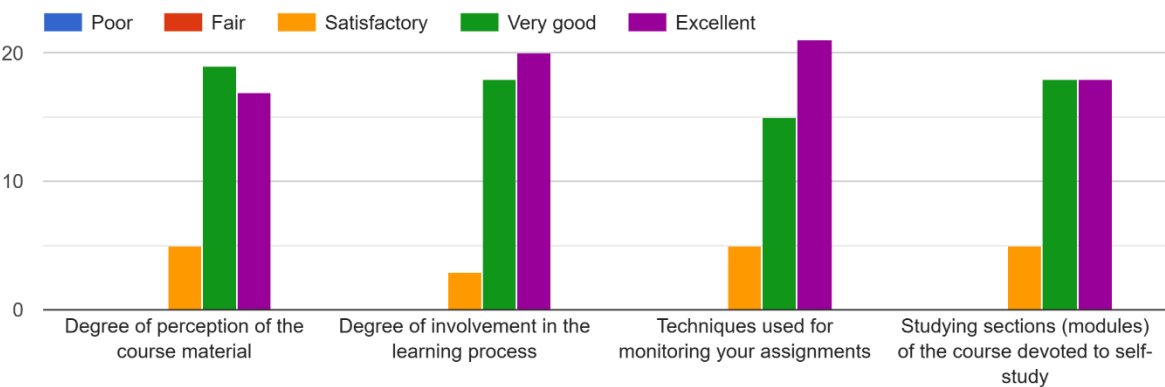
Undergraduate Year (since year of registration):  
41 responses



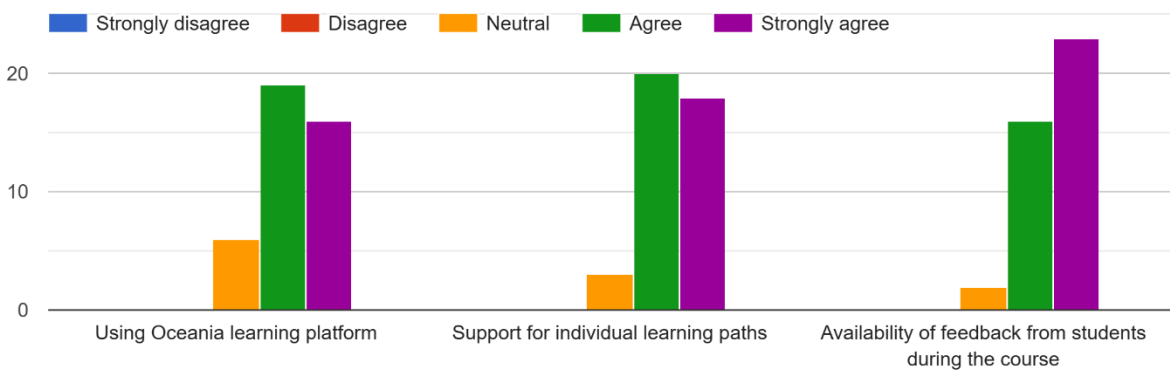
Your overall assessment of the attended course. Does the course interesting to you?  
41 responses



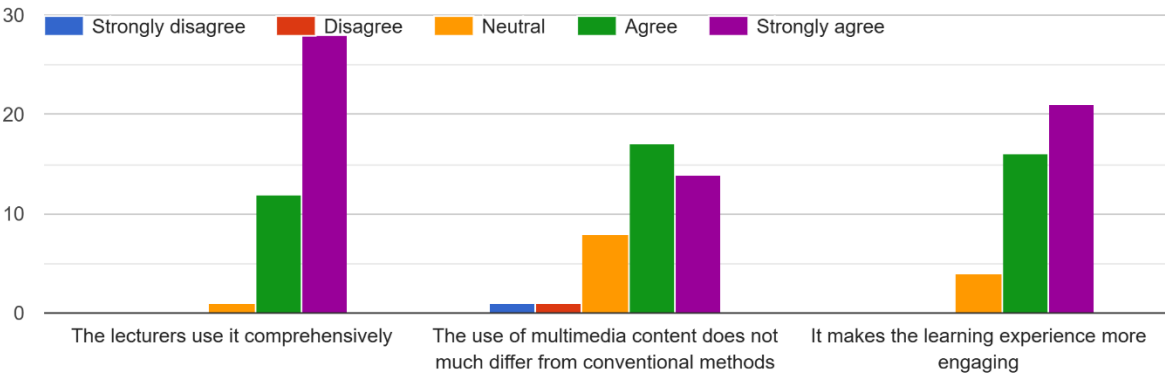
In your oppinion, how is the effectiveness of the course?



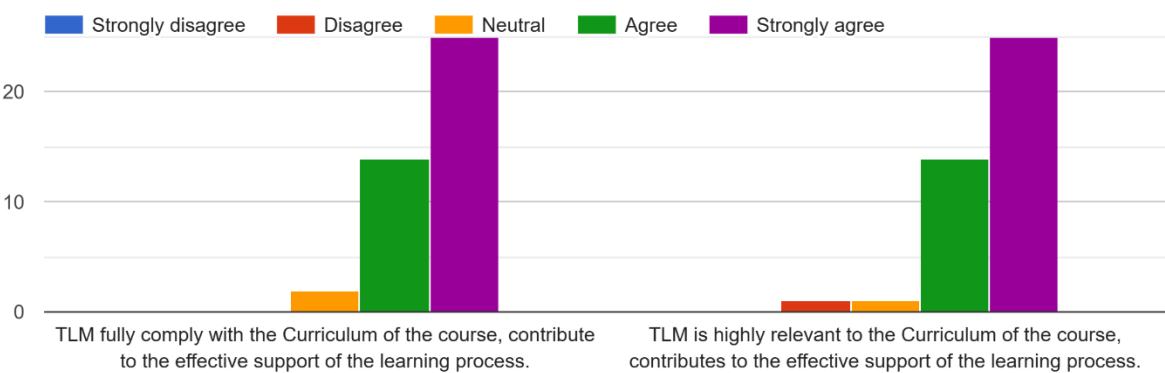
What aspects of the course do you find most useful and interesting in the learning process?



The usefulness of OCEANIA e-learning platform for the course.



How do you evaluate the teaching and learning materials (TLM) that support the course? Do they effectively support the learning process for the course?





# MARE COURSE EVALUATION

## MARE Course Evaluation (Student)

### SEMESTER I 2022/2023

**What aspects of this course were most useful or valuable?**  
41 responses

The activity in the classroom and new knowledge shared by the students and lecturer.
law and policies on how to sustain marine resources
Support for Individual learning paths
Idea on how to sustain marine resources
It provides much deeper information of certain topics and regarding to the current issues information.
can conserve the marine resources for the future
obses the marine resources
EIA
I can gain more knowledge and broaden my mind towards everything about marine resources in the marine environment.
Teamwork
Law
Current issues regarding marine resource in the country
learning process
Mostly the experiences told by our lecturers, since experience is what matters in this subject, through those stories, us students can comprehend more about the application of eia in a project and when to use certain methods to achieve the best solution.
Policy and act regarding to marine resources
lecture hours, discussion
Level of Engagement

The way how my lecturer teach us. I really love her ways.
I think valuable
Working in group
Issues in marine resources
Everything about this course was useful
Future prospects of how marine resource management will help in the future
Method of learning
Aspect about marine resources like how to conserve and take care of all the valuable assets.
- current issues of marine resources - explore more on marine resouces
The important of marine resources and how to prevent it from danger
Presentation make me more confidence
In aspects of getting to know about current issues
to sustain the marine resources
The boundary of each country, it's useful if I were having vacation on boat and to know why they are marine police on that place
The important of marine resources for future
-
The topics it self.
The way on how to sustain the marine resources
The topics it self.
The way on how to sustain the marine resources

The topics it self.
The way on how to sustain the marine resources
Critical thinking
Resources sustainability
Doing the ecobrick together with all friends
The informations given are really great.
Valnurability of marine resource and importance towards society
Sustainable



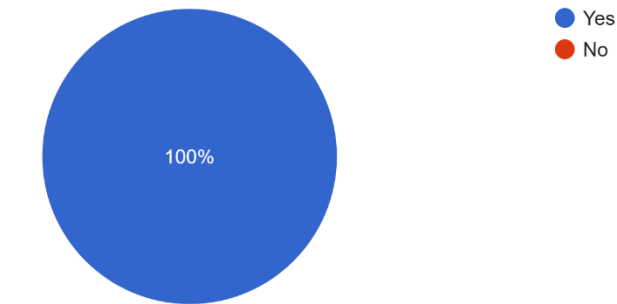
MARE COURSE EVALUATION

MARE Course Evaluation (Student)

SEMESTER I 2022/2023

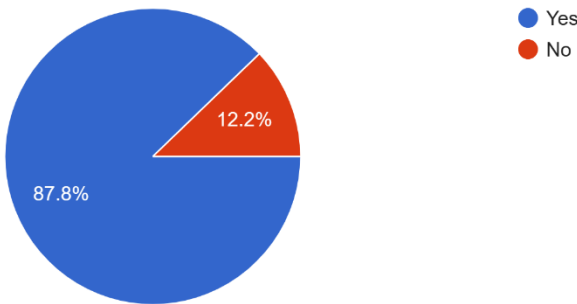
Will you recommend this course to other students in UMT?

41 responses



Was your personal level of training sufficient enough to understand the course?

41 responses



What new skills have you personally acquired as a result of studying this course?

41 responses

What new skills have you personally acquired as a result of studying this course?

41 responses

- Communication skills
- Information gathering, presentation and recycle.
- able to tell people about the importance of marine resources and how to sustain it starting from us
- Tiktok video
- Do the ecobrick
- I have the learnt the benefits of marine resources and hope to utilize it for the future generation.
- communication skill  
high learning outcome
- Communication skill
- Teamwork skills

- Teamwork
- Knowledge on types of marine resources
- Communication
- higher thinking skills and also environmentally aware
- The ability to differ what projects should be made under (schedule 1 or 2), and to question if a project is legally following the guides given by the DOE
- Various type of marine resources in the ocean
- I learned a lot about marine resources and its function for organism
- Learn on what course of action is suitable for a solution to a problem
- Confident to speak up in front of people
- confident to talk in fornt camera
- Good communication skill
- Talk in public
- New understanding of the field and its importance in the bigger scale
- How to handle instrument in laboratory
- Studying the notes and ask lecturer.
- communication skills  
more confident
- Manage to take care related to the environment
- Improve communication skills
- Using social media as a platform to share knowledge
- applying the 3R.
- More detailed person
- Communication Skill
- skills in reduce waste
- Knowing how to make eco-brick
- communication skills
- Editing
- skills in reduce waste
- Knowing how to make eco-brick
- communication skills
- Editing
- Intrapersonal skills
- To do ecobrick and care more about our environment.
- Learn how to reuse human waste like plastic to do something useful like eco bricks.
- More knowledge about marone resource
- Ability to talk in front with my own will