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Kampus
Merdeka
INDONESIA JAYA

Supported by
Magister Pariwisata
UNIVERSITAS PENDIDIKAN INDONESIA UMS

TERM OF REFERENCE

**INTERNATIONAL SUMMER
PROGRAM 2021**

*Marine Tourism and Coastal Vulnerability :
Prediction, Assessment, and Adaptation*

**Faculty of
Fisheries
and
Marine Sciences
2021**



UNIVERSITAS PADJADJARAN

I. Introduction

The Faculty of Fisheries and Marines Sciences Universitas Padjadjaran (UNPAD) in collaboration with Tourism Department in Universitas Pendidikan Indonesia (UPI) Indonesia and Borneo Marine Research Institute, University Malaysia Sabah (UMS) Malaysia provides Virtual International Summer Program 2021. The program offers to international students from partner universities and beyond from different discipline and background who are interested in Marine tourism, Indonesian, Malaysian, and other foreign students are welcome to apply.

Due to COVID-19 pandemic, the program offered is replaced by the International Virtual Courses. This program will be filled with several interesting topics focusing on Marine tourism, which nowadays has surfaced as a pressing topic in the field of ocean and coastal management. Hence, the title of our summer course program is ***Marine Tourism and Coastal Vulnerability: Prediction, Assessment, and Adaptation*** consist of two (2) credits with an additional one (1) credit if student take a Virtual Trip, total of course is sixteen (16) working days for this summer course session from 30 August to 17 September 2021.

II. Topics

Main Topics:

1. Marine Tourism and Wildlife
2. Bio-economic Modelling Approach and Socio-Economic for Marine Sustainable Management
3. Integrated Marine Conservation and Coastal Management
4. Mariculture Tourism
5. Ecotourism and Mitigation
6. Impact of Marine Tourism: Climate and Environmental Change
7. Culinary Tourism: From Sea to Tummy
8. Innovative Business and Administration in Marine Tourism Industry

Side topics:

1. Marine Ecology
2. Marine Biology and Biotechnology
3. Genetic Enhancement of Aquatic Biodiversity

Credit System: 2 Credits (3 credits for joining Virtual Trip)



III. Synchronous (Zoom Meeting) Objectives

- Develop cross-disciplinary summer course materials
- Cultivate a culture of cross-disciplinary cooperation in a multicultural atmosphere for students, academicians, and practitioners relating with marine tourism.
- Initiate and promote the work unit internationalization program
- Increase the number of inbound students and the number of countries of origin
- Increase the number of inbound academics and the number of countries of origin

IV. Participants

- Undergraduate and Post graduate students
- International students resident in Indonesia
- Tourism and marine researchers

V. Program Schedule

Schedule	Session	Teaching Method
Day 1 (30 August)	Opening Ceremony, Lecture 1 (Marine Tourism and Wildlife)	Synchronous (Zoom Meeting)
Day 2 (31 August)	Lecture 2 (Bio-economic Modelling Approach and Socio-Economic for Marine Sustainable Management)	Synchronous (Zoom Meeting)
Day 3 (1 September)	Self-Learning	Learning Management System
Day 4 (2 September)	Lecture 3 (Integrated Marine Conservation and Coastal Management)	Synchronous (Zoom Meeting)
Day 5 (3 September)	Lecture 4 (Ecotourism and Mitigation)	Synchronous (Zoom Meeting)
Day 6 (6 September)	Lecture 5 (Mariculture in Tourism)	Synchronous (Zoom Meeting)
Day 7 (7 September)	Self-Learning	Learning Management System
Day 8 (8 September)	*Virtual Field Trip to Batu Karas and Pangandaran, West Java	Synchronous (Zoom Meeting)
Day 9 (9 September)	Special Lecture (Biotechnology and Marine Ecology)	Synchronous (Zoom Meeting)
Day 10 (10 September)	Lecture 6 (Impact of Marine Tourism: Climate and Environmental Change)	Synchronous (Zoom Meeting)
Day 11 (11 September)	*Virtual Field Trip to Pulau Biawak, West Java	Synchronous (Zoom Meeting)
Day 12 (13 September)	Virtual Experience (Painting Batik) and Virtual Diving	Synchronous (Zoom Meeting)
Day 13 (14 September)	Lecture 7 (Culinary Tourism: From Sea to Tummy)	Synchronous (Zoom Meeting)
Day 14 (15 September)	Lecture 8 (Innovative Business and Administration in Marine Tourism Industry)	Synchronous (Zoom Meeting)



Day 15 (16 September)	Final Exam	Learning Management System
Day 16 (17 September)	International Student Cultural Exchange and Closing Ceremony	Synchronous (Zoom Meeting)

Notes:

- Date of schedule is tentative
- Credit System: 2 Credits (3 Credits for joining Virtual Trip)
- Modules and Tasks would be delivered through E-learning

VI. Courses Description

Course 1	Marine Tourism and Wildlife
	This topic is a popular subset of this tourism sector and includes a variety of activities in the marine environment, including watching and feeding fish, releasing sea turtle, interactions with stingrays, birdwatching and visits to seabird breeding areas as well as the observation and interaction with marine mammals and giant lizard which are strong related with conservation.

Course 2	Bio-Economic Modelling Approach for Marine Sustainable Management
	We will focusing on the use of economic thinking for fishery resources, issues of conservation and use of fishery resources, as well as social goals and sustainable marine management and also The principle of the study of stock and carrying capacity of waters based on an ecosystem approach and bioeconomic model of changes in community structure in their utilization becomes the basis for controlling and regulating fish resources in various types of waters

Course 3	Integrated Marine Conservation and Coastal Management
	On this topic we will learn the definition and concept of conservation, the importance of conservation for the sustainability of aquatic resources, biodiversity, species conservation, habitat conservation, conservation criteria and design, resource management and marine conservation areas. As well as approaches and objectives of integrated coastal development management.



Course 4	Ecotourism and Mitigation
	On this topic we will learn how to prevent and mitigate the impact of activities tourists have on nature and culture. Prevention and countermeasures according to the nature and character local nature and culture

Course 5	Mariculture Tourism
	The cultivation of marine organisms for food and other products in the open ocean or offshore aquaculture, an enclosed section of the ocean, or in tanks, ponds or raceways which are filled with seawater (Marine farming). An example of the latter is the farming of marine fish, including finfish and shellfish like prawns, or oysters and seaweed in saltwater ponds.

Course 6	Impact of Marine Tourism: Climate and Environmental Change
	The marine tourism industry is highly dependent on the uniqueness of natural resources and the environment. Uncertain climate change and the natural disasters will cause environmental damage that will affect the marine tourism sector

Course 7	Culinary Tourism: From Sea to Tummy
	One of the most promising to support tourism is culinary. The lecture may be possible for the basic knowledge of processing technology of fish and non-fish products, as well as the system of hazard analysis and critical point control of foodstuffs.

Course 8	Innovative Business and Administration in Marine Tourism Industry
	On this topic we will learn how to create a competitive innovation to support the marine tourism business because marine and coastal tourism are the largest segments of the tourism industry. In addition, coastal and marine tourism is also the most important.



Special Topics	Marine Ecology The scientific study of marine-life habitat, populations, and interactions among organisms and the surrounding environment including their abiotic and biotic factors.
	Marine Biology and Biotechnology This course explores the interactions between marine animals, their pathogens and parasites. From toxic animal venoms, through host defences against the marine pathogens that threaten them, to the diverse world of parasitism, understanding the complex interactions between marine organisms is leading to major advances in marine bio products, aquaculture and biosecurity
	Genetic Enhancement of Aquatic Biodiversity The course will cover basic population genetic and evolutionary principles that determine genetic variation in both natural and artificial environments (captive/hatcheries), and explore the genetic basis for physical traits (quantitative genetics).

VII. Virtual Trip Description

Due to pandemic Covid 19, the field trip will be held virtually to the famous marine tourism places located in West Java. While the students cannot go physically to see the view of beach, traditional ambience, and natural biodiversity up close, a digital tour allows for more intimate behind-the-scenes access.

The places of virtual trip as follow:

- Batu Karas and Pangandaran Beach

Batu Karas is a small fishing village in the East Parahyangan region on the south coast of Java, about an hour's drive from the popular seaside resort of Pangandaran. Western tourism is booming in Batu Karas mostly due to the beginner surf break, noted as the best place to learn to surf in Indonesia.

- Biawak Island

Geographically, Biawak Island is an island located in the Java Sea, in Indramayu Regency, West Java. This Island which are exotic, interesting, full of thrilling challenges and can be used as an alternative to a photographer's spot source. Indeed, apart from being used as a tourist spot, this island is also used as a fauna



conservation marked in this place, which is inhabited, by hundreds of lizards, which are said to belong to ancient animal heritage

- Virtual Diving

The COVID-19 pandemic means that many of us are staying at home and doing less in terms of social interactions and exercise so travel and outdoor pursuits on pause, many of us are adapting to a new way of life.

In present, we love these ideas for swapping our dive kit for an internet connection and jumping into a virtual dive adventure. We can see how beautiful creature living under the sea

VIII. Guest Lectures

The lecturers and practitioners from abroad are welcome as invited lecturer in this summer program. The organizer will provide the online platform to support their lecture. The duration of each lecture is 100 minutes (the lecturer can decide the method and time for break during their lecture). The lecturers can also bring their materials such as slides, videos, or others. The invited lecturers are requested to fill out the form and send to the secretariat along with Curriculum Vitae.

IX. Event Schedule

30 August – 17 September 2021

Places/Venue: Zoom meeting

Modules and Tasks would be delivered through *Learning Management System*

Secretariat: Faculty of Fisheries and Marine Sciences, Universitas Padjadjaran

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OPEN REGISTRATION

Virtual INTERNATIONAL SUMMER PROGRAM 2021

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Marine Tourism and Coastal Vulnerability : Prediction, Assessment and Adaptation

Topics and Side Topics

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8. Innovative Business and Administration in Marine Tourism Industry
9. Marine Ecology
10. Marine Biology & Biotechnology
11. Genetic Enhancement of Aquatic Biodiversity



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POTENTIAL PARTICIPANTS

National and International Undergraduate and Post Graduate Students, International Student Resident in Indonesia, Tourism and Marine Researchers are welcome to apply

COURSE METHOD

Learning management System (LMS) and Zoom
+ VIRTUAL FIELDTRIP MARINE TOURISM LOCATED IN WEST JAVA AND VIRTUAL DIVING

CREDITS

The program is equal to 2 credits or 3 credits with practical activity.

BENEFITS

- Knowledge
- Experience
- Relation
- Certificate after completing the course
- Best student certificate for TOP 5.

REGISTRATION ONLINE

26 July - 13 Aug, 2021

https://bit.ly/Regist_Sumprog2021



<https://fpik.unpad.ac.id/summer-program-2021/>

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