



# Barracuda Diving India

SunVillage, Baga-Arpora, Goa - 403518  
Email: [barracudadiving@gmail.com](mailto:barracudadiving@gmail.com) Tel: 9822 182402 / 91-832 2269409-14 ext 561



## Curriculum for Marine Biotechnology students of Goa University

<b>Program Title</b>	: Open Water Scuba certificate course + Orientation to underwater marine life surveys
<b>Proposed Time frame</b>	:Mid January to Mid March
<b>Cost per student</b>	:Rs.16,500.00 payable in cash in a maximum of 2 installments – 50% on or before <b>15th Jan</b> and the balance 50% on or before <b>15th Feb</b> .
<b>No. of participants</b>	: 20
<b>Prerequisites</b>	: Students <b>MUST</b> know how to swim 200 meters any style and be able to float 10 minutes
<b>Venue for training</b>	: All theory and pool training at the Dive Center in Sun Village Resort, Baga-Arpora, Goa. All sea dives at Grande Island.
<b>Course Syllabus</b>	<b>:Module One - Dive Theory</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Diving equipment</li><li>- Physics</li><li>- Physiology</li><li>- Planning dives</li><li>- Executing dives</li><li>- The underwater world</li><li>- Scuba experience and beyond</li></ul> <b>Module Two - Practicals</b> <ul style="list-style-type: none"><li>- 2 sessions of pool training for skills</li><li>- 2 days of sea dives - repeating pool skills and pleasure dives– total 4 dives</li></ul>

The program proposed for the students is the SSI Open Water course which is an internationally recognised program for which American Colleges also give college credits under ACE. The course consists of the following

1. Online e-learning of theory modules which the students will need to complete at home / university. the duration of this is about 3 hours. This will be monitored by us and on completion a certificate to that effect will be e-mailed to your department in due course.
2. Two classroom sessions of 1 hour each will be conducted with videos as well as lectures / discussions
3. Swimming pool training for approx 4 hours in total over 2 days involving all basic skills of scuba diving as well as equipment management
4. Four open water dives of approx 45 minutes each over 2 days involving skills practice as well as pleasure dives.



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5. Objective type 50 questions final exam of 1 hour and certification.

In addition to this we will include a classroom presentation involving a slide show and lecture on marine life identification, methods / techniques of underwater marine life surveys, sample collections, etc.

## **Tentative Course Schedule**

**Please note that ALL students are required to finish online e-learning for which they can register online via our website at [www.barracudadiving.com](http://www.barracudadiving.com) by clicking on “SSI Free e-learning” button and registering with Barracuda Diving India as the dive center of choice and completing the Open Water course modules ONLY.**

### **Batches**

**4 students per batch (5 batches):**

**Day 1:** 10am to 1pm – Lecture session

2.30 pm to 5pm – Pool training – modules 1 to 3

**Day 2:** 2.30 pm to 5pm – Pool training – modules 4 & 5

**Day 3 :** 8am to 2pm – Open Water dives 1 & 2

**Day 4 :** 8am to 5pm - Open Water dives 3 & 4 and final exam

### **Common sessions**

**Day 1 : 3 to 5pm** - Lecture on marine life survey techniques & presentation of certificates for Batches 1, 2 & 3

**Day 2 : 3 to 5pm** - Lecture on marine life survey techniques & presentation of certificates for Batches 4 & 5

### **Materials to carry**

: Swimwear and towel on all days

**Programme: M.Sc. Marine Biotechnology**  
**Course code: MBO 191**  
**Title of the course: SCUBA DIVING**  
**Number of credits: 2**  
**Effective from: 2019-2020**

<p><b>Content</b></p>	<p><b>MODULE I: Dive Theory</b></p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Diving equipment</li> <li>• Physics</li> <li>• Physiology</li> <li>• Planning dives</li> <li>• Executive dives</li> <li>• The underwater world</li> <li>• Scuba experience and beyond</li> </ul> <p><b>MODULE II: <u>Practicals</u></b></p> <ul style="list-style-type: none"> <li>• 2 sessions of pool training for skills</li> <li>• 2 days of sea dives- repeating pool skills and pleasure</li> <li>• Dives – Total 4 dives.</li> </ul>	<p>24 hours</p> <p>24 hours</p>
<p><b>References/ Reading</b></p>	<p>www.barracudadiving.com</p>	





**Goa University**  
Taleigao Plateau, Sub Post Goa University, Goa 403206 India.  
**SEA MARKS INPUT FORM FOR POST GRADUATE CHOICE BASED CREDIT COURSE ( OA-18A ) EXAM TO  
BE HELD IN JUNE 2022**  
**MASTER OF SCIENCE IN MARINE BIOTECHNOLOGY**

**Paper Code:** MBO 191

**Paper Name:** Scuba Diving

**Credits Allotted:** 2

**Max Marks:**

30.00

**SEMESTER IV - 2ND YEAR June 2022**

**College/Department :** Department of Biotechnology

**Subject Branch :**

SNo	Seat No	SEA(30.00)
1	20P05000 08	28.80
2	20P05000 18	29.40

Certified that all the sub components have been taken into account while finalising the above marks.

**NAME OF EXAMINER 1:** Dr. M. Prabhu

**SIGNATURE OF EXAMINER 1:**

**NAME OF EXAMINER 2:**

**SIGNATURE OF EXAMINER 2:**

**Date:** / /

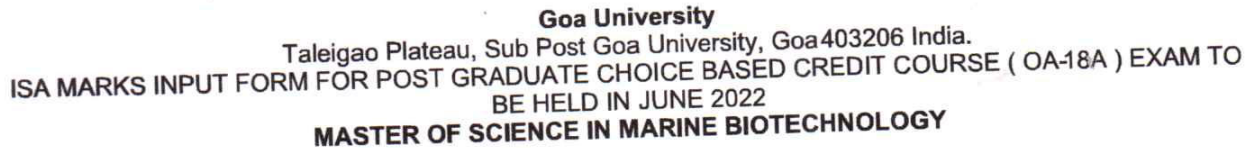
**N.B.NOTE:** Department may kindly confirm that the above details are correct with reference to paper title, paper code and number of credits.

<< Absentees should be marked as 'A'(without quotes) >>

<< Carry forward of marks should be indicated as 'CF' (without quotes) in marks column.>> for ISA

Certified that all the sub components have been taken into account while finalising the above marks.

Santoshman  
6/7/22



**Subject Branch :**

Certified that all the sub components have been taken into account while finalising the above marks.

Dean of School of Biological Sciences  
& Biotechnology  
Goa University, Goa-403206  
Office Ph. 8669609246



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6/7/22



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**MASTER OF SCIENCE IN MARINE SCIENCE**  
College/Department : School of Earth, Ocean & Atmospheric Sciences

Paper Code: MBO 191

Paper Name: Scuba Diving

Credits Allotted: 2 Max ISA - 1 Marks: 20 May 2022

Seat Number	Student Name	ISA - 1	ISA - 2	ISA - 3	ISA(20)
20P0400002	ABHIRAJ SINGH BHATTI    201706490	-	-	-	20
20P0400003	ALANIS TANYA EDWIN    202000760	-	-	-	19.2
20P0400006	D'COSTA BLANCA    201702553	-	-	-	20
20P0400017	PEREIRA MELITA VIDA    201706511	-	-	-	20
20P0400018	PRATIKSHA DATTATRAYA DESHMUKH	-	-	-	18.8
20P0400022	SANCHAY MEHTA    202000761	-	-	-	20
20P0400024	SEJAL KUMAR    202000135	-	-	-	18.8
20P0400026	SIDDHI PANCHAL    202000759	-	-	-	18

Certified that all the sub components have been taken into account while finalising the above marks.

NAME OF EXAMINER: Dr. M. Prabhu

EXAMINER'S SIGNATURE:

DEAN'S SIGNATURE:

Date: / /

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20P0400018	PRATIKSHA DATTATRAYA DESHMUKH	—	—	—	18.8
20P0400022	SANCHAY MEHTA    202000761	—	—	—	20
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Certified that all the sub components have been taken into account while finalising the above marks.

NAME OF EXAMINER: *Dr. M. Prabhu*

EXAMINER'S SIGNATURE: *[Signature]*

DEAN'S SIGNATURE: *Santosh*

Date: *13/6/22*

N.B.NOTE: Department may kindly confirm that the above details are correct with reference to paper title, paper code and number of credits.

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