

Syllabus 20223-2024

AICE Marine AS Level

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Remind App:

Course Description

Course Number: 2002515

Number of Credits: 1

Course Length: 1 year

Cambridge International AS Level Marine Science provides a coherent and stimulating introduction to the science of the marine environment. The emphasis throughout is on the understanding of concepts and the application of ideas to new contexts. It is expected that practical activities will underpin the teaching of the whole course. Students will have the opportunity to earn college credit by passing the exams in the spring.

Course Objectives and Outline:

The course will be divided into two basic categories:

Practical Skills: Experimental planning (making estimates, predictions and hypothesis), presentation of data & observations, evaluation of procedures and data, analysis of data and conclusions.

AS Level: Water, Earth Processes, Interactions in Marine Ecosystems, Classification and Biodiversity, Examples of Marine Ecosystems

Text and Ancillary Materials

Marine Science for Cambridge International AS & A Level Coursebook

Supplies

3-prong folder with pockets

Notebook paper

Ruler

Writing utensils (pen and pencil)

Headphones

Calculator

Policies and Procedures

1. ***Enter quietly.***
2. Turn cell phones on **silent and place them in your backpack.**
3. Go directly to your ***assigned seat.***
4. **Earbuds are only used for chromebook assignments.**
5. ***Be prepared with your textbook, folder and writing utensil.***
6. At the end of class, ***return your book*** to the cubby unless you are taking it home, check your area, throw away papers/trash and ***sign out of Chromebooks.***
7. ***Chromebooks will be numbered according to your seat numbers. You will lose points if your chromebook is not returned to the cart.***
8. ***Use the restroom and get water between classes*** for emergencies, sign out and take the pass.
9. ***Do not touch water or lab materials unless asking for permission.***

Grading

Tests/quizzes 60 % of the total grade(notebook)

Assignments 40% of the total grade

Scale

A=90-100 C=79-70

B=80-89 D=69-60 F=59-0

Grade will be calculated by dividing the total points earned by the total points possible

Make-Up Work will be provided for all students; however, no activities or assignments can replace the learning that occurs in the classroom when the student is present. Two (2) days for each day of eligible absences shall be given to complete all class make-up work. **NO OTHER LATE ASSIGNMENTS WILL BE ACCEPTED!** Exams, tests, or quizzes & practical skills will be rescheduled at the discretion of the teacher, and must be completed **in the classroom within 5 days** of the student's return to school. If a student is absent due to a school activity, work is due the day they return. This includes test, quiz & practical make-ups. **All assignments are on Canvas** so it is your responsibility to check the site daily, especially if you are absent. Be sure to sign the "Assignments to Check" clipboard in the classroom when assignments are completed late due to illness.

Course Procedures

This is a **self-directed class** with several individual assignments. During the course, students will read, actively read, complete practical skills and projects, and complete Canvas assignments while working individually as well as in groups. Students are expected to study at home daily for **quizzes and tests, which must be taken in my classroom**, and to complete all assignments on time. **All assignments are on Canvas**. Students are also expected to participate in class, keep track of their progress in FOCUS, and view their Canvas account daily for assignments and announcements.

General Course of Study

<u>Semester 1</u>		<u>Semester 2</u>	
<u>Chapter</u>	<u>Sections</u>	<u>Chapter</u>	<u>Sections</u>
Practical Skills	Introduction, experimental planning, presentation of data & observations, evaluation of procedures & data, analysis of data & conclusions	4 Classification & Biodiversity	4.1 The classification of marine organisms 4.2 Key groups of marine organisms 4.3 Biodiversity 4.4 Populations & sampling techniques
1 Water	1.1 Particle theory and bonding 1.2 Solubility in water 1.3 Density & pressure	5 Examples of Marine Ecosystems	5.1 The open ocean 5.2 The tropical coral reef 5.3 The rocky shore 5.4 The sandy shore 5.5 The mangrove forest
2 Earth Processes	2.1 Tectonic processes 2.2 Weathering, erosion & sedimentation 2.3 Tides & ocean currents	All Chapters	Practice Exams
3 Interactions in Marine Ecosystems	3.1 Interactions 3.2 Feeding relationships 3.3 Nutrient cycles	Tanks/dissections	After exams

College Credit: To earn college credit, students must pass the AICE Exams given in the spring. You must sit for the exam.