

UNIVERSITY OF CALGARY  
DEPARTMENT OF BIOLOGICAL SCIENCES  
COURSE OUTLINE

1. Course: MRSC 321 - INTRODUCTION TO MARINE SCIENCE

Lecture Sections: L01 TR 11:00-12:15 CHC 119 FALL 2011

Instructor(s): Dr. P. Vize BI 210B 220-8502 pvize@ucalgary.ca

Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

2. PREREQUISITES: Biology 231 and 233 or Biology 241 and 243.

See section 3.5.C in the Faculty of Science section of the online Calendar  
(<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)

3. GRADING: The University policy on grading and related matters is described in "Academic Regulations, sections F.1 and F.2" of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/f-1.html> and <http://www.ucalgary.ca/pubs/calendar/current/f-2.html>) In determining the overall grade in the course the following weights will be used:

Midterm 1	25%	Oct 13	In Class
Midterm 2	25%	Nov 22	In Class
Paper	10%	Nov 15	home
Final exam	40%	The final examination will be comprehensive.	

Final Examination scheduled by the Registrar's Office.

Standard letter grades with - and + options will be used. The class letter grade cut offs are:

A+	93	C+	74
A	90	C	70
A-	87	C-	65
B+	84	D	60
B	81	F	<60
B-	78		

These grade cutoffs will not be altered. Grades will not be rounded up.

"Each piece of work (assignment, laboratory report, midterm test or final examination) submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade."

4. Missed Components of Term Work. The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in section 3.6: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

5. Dates and times of class exercises held outside of class hours: N/A

**REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY.** If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.

6. EXAMINATION POLICY: Students should also read the Calendar, Section G, on Examinations: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

7. In this course, the quality of the student's writing in the assigned paper will be a factor in the evaluation of this component. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

Department Approval  
MRSC341 CO : F11 07/09/2011 12:46

Date Sept 7, 2011

8. **STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS.** Students are expected to be familiar with <http://www.ucalgary.ca/pubs/calendar/current/sc-5-1.html> of the on-line calendar. See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.
9. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**
- (a) **ACADEMIC MISCONDUCT** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) to inform yourself of definitions, processes and penalties
- (b) **ASSEMBLY POINTS** in case of emergency during class time. Be sure to **FAMILIARIZE YOURSELF** with the information at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links: Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>  
Disability Resource Centre: <http://www.ucalgary.ca/drc/>
- (d) **SAFEWALK:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **FREEDOM OF INFORMATION AND PRIVACY:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, **students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page.** For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **STUDENT UNION INFORMATION:** VP Academic **Phone:** 220-3911 **Email:** [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca).  
SU Faculty Rep. **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca) Website <http://www.su.ucalgary.ca/home/contact.html>.  
Student Ombudsman: [www.ucalgary.ca/provost/students/ombuds](http://www.ucalgary.ca/provost/students/ombuds); [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca) 220-6420
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGICAL SCIENCES

COURSE OUTLINE

MARINE SCIENCES 321

ECOLOGICAL AND EVOLUTIONARY APPLICATIONS

TERM: FALL 2011 SECTION NO: 01

PREREQUISITE(S): Biology 231 and 233 or Biology 241 and 243

A student may not register in a course unless he has a grade of at least C- in each prerequisite course.

LECTURER(S): Dr. Peter Vize BI 210B 220-8502 pvize@ucalgary.ca

LECTURE : TR 11:00-12:15 CHC 119

TUTORIALS : W 9:00/13:00/14:00 ST 061/ENC 127/ST 055

TEXT: Introduction to Marine Biology, Karleskint, Turner and Small, 3<sup>rd</sup> edition

MARK DISTRIBUTION: A. Composition of Final Grade

Grading will be based as follows

Midterm 1	25% Oct 13, 2011
Midterm 2	25% Nov 22, 2011
Paper	10% Nov 15, 2011
Final exam	40% The final examination will be comprehensive.

B. Final Exam

There will be a Final Examination scheduled by the Registrar's Office.

**Schedule**

	<b>Preliminary Title</b>	<b>Chapter</b>	
Sept 13	Introduction		
Sept 15	Geology of the ocean	3	
Sept 20	Water, waves and tides	4	
Sept 22	Basic biological concepts	5	
Sept 27	Marine microbes	6	
Sept 29	Algae and plants	7	
Oct 04	Inverts 1	8	
Oct 06	Inverts 2	9	
Oct 11	Inverts 3	9	
<b>Oct 13</b>	<b>Midterm 1 (classes up to and including Oct 06)</b>		
Oct 18	Fishes	10	
Oct 20	Fishes	10	
Oct 25	Sharks	10, movie	
Oct 27	Marine mammals	12	
Nov 01	Marine mammals, birds	12	Paper titles available
Nov 03	Intertidal communities	13	
Nov 08	Estuaries	14	
Nov 10	Coral reef communities	15	
Nov 15	Coral reproduction	NA	PAPER DUE
Nov 17	Continental shelves and neritic zone	16	
<b>Nov 22</b>	<b>Midterm 2 (classes up until and including Nov 15)</b>		
Nov 24	The open sea	17	
Nov 29	The depths	18	
Dec 01	The depths	18	
Dec 06	Fisheries	19	
Dec 08	To be determined		

Final to be announced, some time between Dec 12-21.