## University of Victoria Biol 322 - BIOLOGY OF MARINE INVERTEBRATES Jan - Apr 2022 CRN 20395

COURSE SYLLABUS

Lectures: COR B108 Mon & Thu 11:30-12:50 Laboratory: Petch 109

Course Instructor: Dr. Louise R. Page

email: lpage@uvic.ca

virtual office hour: Wed 12:30 pm – 1:30 pm or by arranged appointment

Zoom link for office hour:

https://uvic.zoom.us/j/86127387918?pwd=aG9nQTF3cUN0bUoxbWdoRUlqdW9lUT09

Senior Lab Instructor: Dr. Katy Hind email: khind@uvic.ca

A Zoom meeting with Katy Hind can be arranged by email

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GENERAL INFORMATION: This course explores how selected groups of marine invertebrates have responded to challenges imposed by diverse marine environments over the evolutionary history of life on this planet. The result has been an explosion of often ingenious strategies for survival and successful reproduction. Lecture material is organized under themes of adaptation, such as: defensive strategies including transparencyectucce rch as

These are lectures scheduled for Mon. Jan 10, Thu. Jan 13, Mon. Jan 17, and Thu. Jan 20. Please enter the lecture using this Zoom link:

https://uvic.zoom.us/j/89089145952?pwd=K3ZJNUVLUUIQVXBDdDR3LzJ5d25qZz09

Meeting ID: 890 8914 5952

Password: 687867

Important info for accessing the Zoom lectures

Go to https://uvic.zoom.us/ and select 'Sign in'. Type in your UVic Netlink ID and Password, press 'Sign in', then click on the Zoom link provided above to join the lecture.

In brief, the laboratory section of BIOL 322

The University of Victoria has waived the requirement for a note from a medical professional in the event that illness, emotional trauma or mental health issues prevent a student from writing an exam.

Completion of the final lecture exam is a required component of BIOL 322 . Failure to write the final lecture exam will result in a grade of "N" regardless of the cumulative percentage on other elements of the course. N is a failing

## Biology 322 – 2022 Biology of Marine Invertebrates – Lecture and Laboratory Schedule

DATE	LECT. NO.	LECTURE TOPIC	LAB EXERCISES & DISCUSSION GROUPS
Mon Jan 10	1	Introduction to course; begin suspension feeding	
Thu Jan 13	2	Nutrition – suspension feeding	
Mon Jan17	3	Nutrition – uptake dissolved organic matter	

		-algal symbioses	#2 Suspension Feding – II  Group report for Discussion #1 due  Final decision on animals for Comp. Anatomy Project
Mon Jan 31	7	Nutrition – animal-algal symbioses; UV tolerance	
Thu Feb 03	8	Musculoskeletal systems – introduction	#3 Symbioses (Discussion #2)
			Proposal for Comparative Anatomy Project due
Mon Feb 07	9	Musculoskeletal systems – skeletal and muscle materials	
Thu Feb 10	10	Musculoskeletal systems – rigid skeletons	#4 Size and Shape (Discussion #3)
			Group report for Discussion #2 due
Mon Feb 14		MIDTERM LECT. EXAM – lectures 1-10 inclusive	
Thu Feb 17	11	Musculoskeletal systems – hydrostatic skeletons	#5 Comparative Anatomy Project – study animal #1
Feb 21-25		READING BREAK	READING BREAK
Mon Feb 28	12	·	