



# BIOLOGICAL SCIENCES 306

## Invertebrate Biology

### Spring 2011 (1111)

Instructor	Office	Phone	E-mail
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### COURSE PREREQUISITES

BISC204<sup>1</sup>

### COURSE DESCRIPTION

Animals are extraordinarily diverse in their form and function. Most of them are not vertebrates (like humans), and most of the interesting variety is not found among insects. This is a course about everything else: the evolution of animal diversity from sponges to sea squirts, corals to clams, and a lot of worms.

### OUTLINE OF TOPICS

Lectures emphasize anatomy, functional morphology, and natural history of free-living marine phyla and classes. *Labs* emphasize overall form and function of living animals from major taxonomic groups: observations of behaviour and other features, some dissection, and some functional (not artistic) drawing of animals and parts.

**Please note that the first class meeting is in lecture, Monday Jan. 10<sup>th</sup>**

***The course grade and lab fees include a fabulous three-day field trip to the Bamfield Marine Sciences Centre on Vancouver Island.***

***Field trips are provisionally scheduled for January 28-30*** (for students in the Tuesday or Wednesday lab sections) ***or February 4-6*** (Thursday or Friday labs). Field trip information will be distributed in regularly scheduled lab sections during the second week of class.

**The field trip is a required course component. If you know that work or family commitments will prevent you from attending the field trip then please consider taking a different course so that another student can enroll in BISC 306 and participate in the field trip.**

### TEXTBOOK(S)

Pechenik, *Biology of the Invertebrates*, 6<sup>th</sup> edition, 2010. Either hard copy (from the Bookstore) or e-book can be purchased.

### MARK DISTRIBUTION

- Two exams, including one in-class midterm (25%) and one final (35%)
- Field trip participation and notebook (10%)
- Laboratory notebook (15%)
- Laboratory practical exam (15%)

<sup>1</sup>Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.