

BIOL 466: Frontiers in Marine Biology  
THE DEEP SEA  
January-April 2020

Course Schedule: Mondays and Thursdays, 1:00PM-2:20PM  
Clearihue Building D125

Instructor: Hugh MacIntosh  
Office: Petch 108  
Office hours: Mondays and Thursdays 9:00AM - 11:00AM  
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Description: This course explores new advances in topics related to ocean biology. This year we will focus on the deep sea with an eye on the tremendous challenges that face scientists and society over the next decade. Ocean change is rapid and unpredictable. Researchers are struggling to understand species responses in the context of whole communities and ecosystems and the effects on humans. We will explore contributions to this analysis by examining specific systems, approaches and ecosystem integration.

Deep, diverse and definitely different: governance on the high seas affect the two largest ecosystems on Earth. We will also explore just a few of the instruments that are now in development to explore or protect marine environments and biodiversity.

Lectures: I offer a basic interactive lecture style to which I bring background preparation and Deep, diverse and definitely different:

I will also have some required readings means that you are expected to contribute discussion and comment. Please read before the class as you may be asked to discuss within groups or provide questions or comments.

We will give you expert insight into specific topics. Please

Assessment

Midterm	20
Data	

Lecture Schedule  
~ subject to updates ~

DDD=Deep, Diverse and definitely  
Different

Mar 30	23	Vent mining	HM	Hein; Kim
Apr 2	24	Summary		