Welcome to Honors Biology!

Biology 675

In an age when man has forgotten his origins and is blind even to his most essential needs for survival, water along with other resources has become the victim of his indifference. -Rachel Carson

Philosophy

Water is essential for life on Earth. Water scarcity now poses serious constraints on food security, ecological health, and regional peace and stability in many parts of the world. This course examines the history of water development, the signs and consequences of water scarcity today, and the emerging politics of water. Case studies provide an opportunity to grapple with real-world problems.

Goals

After completing this course, you will be able to:

1. Explain the importance of water.
2. Evaluate human impact on water resources.
2. Discuss the water challenges facing society.

Attendance

Regular attendance is expected at every meeting. Role will be taken during each class meeting. When students must be absent because of illness or emergencies they should contact the instructor in advance. A student may be dropped for missing two class meetings. Responsibility for making up work missed because of absence rests with the student.

Office Hours

Please contact the instructor at any time with questions concerning the course, an assignment, an upcoming quiz, etc.

Skyline College, 7214.
Phone: 650/738-4376.
E-mail: case@smccd.net

Requirements

All assignments must be completed to earn a passing grade. Class participation will be included in your grade.

Project	100 points
Draft project	10
Assignments	60
Total	170 points

Grading

A ≥ 88%
B 75-87%
C 60-74%
D 45-59%
F ≤ 44%

Read each assignment before coming to class and be prepared to discuss the content and answer questions on the content.

Honors credit will be received in this and a concurrent 100 or 200 level biology course upon successful completion of this course.

Corequisite: Concurrent enrollment in any non-Honors Biology level 100 or 200 course.

The Grade of W

You may wish to withdraw from this class. If you withdraw prior to 9-11-09 nothing will appear on your record. If you withdraw between 9-11-09 and 11-18-09, a *W* will appear on your transcript. You will receive a *W* for exceeding two absences prior to 11-18-09.

Anyone exceeding two absences after 11-18-09 *will get a final grade of F.*

Project

You will work in groups of 3 students to write an Environmental Impact Statement. The project guidelines are online. You will receive your project and data in class.

Resources

Assignments, reading, and a glossary are posted on the BIOL 675 home page.
Go to <http:// skylinecollege.edu/case/> and click on BIOL 675.

Class Schedule. Friday 1:10-2:00 P.M. 🕮 Read the assignments *before* class. All of the readings are online at http://skylinecollege.edu/case.

Date	**Lecture**	**Reading/Assignments online**
Aug 21	Hydrologic cycle & water use	🕮 Demographics
Aug 28	Water & life	🕮 H_2O 🕮 Streamflow Answers from day 1 **due**
Sept 4	Water Quality Testing (Lab 1)	🕮 Water purity testing 🕮 Multiple tube technique MPN Table
Sept 11	Productivity	🕮 Wetlands Lab report 1 **due**
Sept 18	Water Quality Testing (Lab 2)	🕮 Water purity testing 🕮 Membrane filter technique
Sept 25	Clean Water Act & your project	🕮 Water pollution 🕮 Project. Be ready to pick your location Lab report 2 **due**
Oct 2	Drinking water	🕮 Water treatment 🕮 Subsidence Draft project procedure **due**
Oct 9	Water laws	🕮 Laws 🕮 Hetch Hetchy Valley In class **assignment** today 🕮 BOD due next class
Oct 23	Water pollution	🕮 Bioremediation 🕮 BOD answers **due**
Oct 30	Wastewater treatment	🕮 Water pollution 🕮 Sewage treatment
Nov 6	Water wars	🕮 Water conflicts
Nov 20	The future	🕮 Aswan dam Streamflow answers **due**
Dec 4	Student presentations	*Bring* **grading form** and **peer evaluation form**
Dec 11	Student presentations	*Bring* **grading form** and **peer evaluation form**