

## **Food, Health & Life on Your Own**

**October 5-23, meetings Tuesdays & Thursdays 12:00 – 1:30pm**

Cost: \$250 (discounted to \$100 for Class of 2020; for all others, 20% for 5 or more modules)

Lead Instructors: Prof. Bill Schindler, Director, and Shane Brill, Asst, Dir. Eastern Shore Food Lab

Up to this point, your education has taught you how to think critically, do research, and get a job. During your four years at college you learned how to become your own person, take responsibility for your actions, and get out from underneath your parents' roof. But, this entire time, it's probable that most, or even all, of your meals have been prepared for you. If you are like many college graduates no one has taught you how to find and shop for your own food and how to cook your meals. But most importantly, no one has taught you how to do all of this in the most nourishing, ethical and sustainable way possible! This module will teach you the basics of how to feed yourself in a way that is healthy for you and the planet.

## **Teaching Environmentalism, Outdoor Education, and Advocacy**

**September 2-27, meetings are either MWF 9:00-10:00 am OR MWF 3:00-4:00 pm (you may choose the slot that best fits your schedule)**

Cost \$250 / discounted to \$100 for Class of 2020/ 20% for 5 or more modules

Lead Instructors: Jemima Clark, STEM Educator & Coordinator, CES; E. Counihan, Coordinator of Secondary Education, Education Department; K. Livie and B. Ford, CES

Being an environmental educator is not only a unique opportunity to broaden the horizons of future generations, but is often a crucial first step in a career in environmentalism and non-profit work. Environmental education is essential to introducing young minds to the wonders of the world around them in an engaging, experiential way! This module will demonstrate how to transform traditional "field trips" into meaningful experiences, with a focus on student action. We will utilize best practices from both formal and non-formal educational settings- with the goal of designing immersive experiences that are aligned to curricular standards.

## **Water Quality**

**October 5-23, meetings Monday & Wednesday 2:00-3:30 pm**

Cost: \$250 (discounted to \$100 for Class of 2020; for all others, 20% for 5 or more modules)

Lead Instructors: Dr. Doug Levin, Chief Innovation Officer, CES; B. Ford, CES

In this module, participants will explore the principles and practical application of water quality testing. This includes familiarity with calibration, set up, repair and deployment of professional grade water quality measurement systems used to monitor water quality in freshwater, brackish and marine environments. You will learn how to set system requirements, assess sampling frequency, and determine the spatial strategy for deployed buoy systems. We also will examine some of the many potential uses for these systems and their data, from modeling water health and developing models for TMDLs to uses in habitat restoration and aquaculture.

Although this is an online module, hands-on field opportunities (optional) to use some of these instruments will be scheduled when conditions allow (at no extra cost), even if that is months away.

## **Remote Sensing – Tools to Look Below the Surface**

**November 2-20, meetings Monday & Wednesday 2:00-3:00pm**

Cost: \$250/ discounted to \$100 for Class of 2020/ for all others, 20% for 5 or more modules

Lead Instructors: Prof. John L. Seidel, Director CES; Dr. Doug Levin, Chief Innovation Officer, CES

The last few years have seen a revolution in technologies that allow us to see into places that were formerly hard to reach or essentially invisible – these “remote sensing” techniques are now being used in a remarkable array of jobs, with amazing results. This module explores some of the most important technologies, looking first at where they might be useful and then at how they are used.

Note: Although this is an online module, hands-on field opportunities (optional) to use some of these instruments will be scheduled when conditions allow (at no extra cost), even if that is months away.