

# ENST 110, Environmental Issues, Fall 2009

## General Course Information

The ENST 110 website: Biology course webpages (<http://www.nslc.wustl.edu/>)

Every Tues and Thurs: Brown 100 from 1-2:30 PM

### I. Instructor Office/Phone/ e-Mail

Tiffany Knight	McDonnell 407 935-8282	tknight@wustl.edu
Melissa Baker		mbaker@artsci.wustl.edu
Casey Carroll		cacarroll@wustl.edu
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Anita Landree		AnitaL@samfox.wustl.edu
Arielle Royston		ArielleR@wustl.edu
Claire Schulkey		ceschulk@wustl.edu

Office hours are by appointment only.

### II. Required Materials:

There is no required textbook for this course.

### III. Exam Review sessions:

Before exams, we will offer a review worksheet and be available to answer questions. Our review sessions are currently scheduled for: Sept 20th, Oct 25th and November 30th at 7pm. All review sessions will be held in McDonnell 162.

### IV. Exams

The course will have three in-term exams and a cumulative final exam. All exams are in Brown 100. These exams will contribute to 75% of your total grade.

**Exam 1: Sept 24**, covers lectures 1-8

**Exam 2: Oct 29** covers lectures 9-17

**Exam 3: Dec 3**, covers lectures 18-25

### Cumulative Final Exam

**December 16 1-3 PM**

Every student will be able to drop one in-term exam grade or the final exam. If you take all exams, your lowest score will be dropped. If you miss an in-term exam for any reason (including - but not limited to - illness, family emergency, or extra curricular activities) this exam will count as your dropped exam. No make-up exams will be given.

## V. Field trips

Students must participate in one of eight possible field trips and write a 1-page essay about the topic of the field trip. Essays are due 1 week following the field trip. Participation in field trip is worth 15% of your final grade and the essay is worth 10%. Field trip opportunities include:

- 1) Schafly Bottleworks- a company with a commitment to greening its operations. Tour the facility and help dig an organic garden bed. Dinner and discussion at the restaurant will follow the tour.  
Organized by Anita Landree  
Thursday, September 10, 4:30 pm
- 2) Zoo (mammals)- A behind the scenes tour of the St. Louis Zoo and the captive large mammal breeding program with Zoo Curator, Dr. Cheryl Asa  
Organized by Michal Hyrc  
Friday, September 25, 2:30 pm
- 3) Zoo (herps)- A behind the scenes tour of the St. Louis Zoo and the amphibians and reptiles conservation program with Zoo Curator, Dr. Jeff Etting  
Organized by Caleb Hickman  
Saturday, September 26, 12:30 pm
- 4) Monsanto Corporation- A tour of the facilities and science behind transgenic crops.  
Organized by Melissa Baker  
Friday, October 2, 2:30 pm
- 5) Missouri Botanical Garden- A behind the scenes tour of rare plant conservation.  
Organized by Claire Schulkey  
Saturday, Oct 3, 12:30 pm
- 6) Tyson Research Center- A look at Wash U's Ecology research facility and new living building. Meet the researchers and enjoy a BBQ.  
Organized by Alannah Glickman  
Wednesday, October 7, 4 pm
- 7) Hunger Banquet- Dinner and discussion about global food inequity. This will take place on campus at the DUC.  
Organized by Arielle Royston  
Monday, October 26, 7 pm
- 8) Fred Weber Landfill- Tour will focus on the environmental aspects of the landfill, including a Landfill Gas Project that uses methane gas to heat Pattonville High School and a plant that makes asphalt. BBQ at park will follow  
Organized by Casey Carroll  
Friday, November 6, 2:30 pm

## Schedule of lecture topics

27-Aug	Introduction to Environmental Science	
1-Sep	Human population growth	
3-Sep	Global climate	
8-Sep	<b>Global climate</b>	An inconvenient truth- documentary
10-Sep	Energy: fossil fuels	
15-Sep	Energy: clean coal and carbon offsetting	
17-Sep	Energy: nuclear	
22-Sep	Energy: renewable	
<b>24-Sep</b>	<b>Exam 1</b>	
29-Sep	Water	
1-Oct	<b>Water</b>	Flow- documentary
6-Oct	Agriculture	
8-Oct	Livestock production	
13-Oct	Human health	
15-Oct	Human health	
20-Oct	Population ecology	
22-Oct	Fisheries	
27-Oct	Endangered species act	
<b>29-Oct</b>	<b>Exam 2</b>	
3-Nov	Hurricane Katrina	
5-Nov	Invasive species	
10-Nov	<b>Washington University and Environment Sustainability</b>	Matt Multen, Asst. Vice Chancellor for Sustainability
12-Nov	<b>Sustainable design</b>	Bruce Lindsey, Dean of Architecture
17-Nov	Biodiversity	
19-Nov	Ecosystem Services	
24-Nov	<b>Amphibian declines</b>	Jon Chase, Director, Tyson Research Center
1-Dec	Waste management	
3-Dec	<b>Exam 3</b>	
	<b>Final Exam</b> December 16, 2009 1:00 PM - 3:00 PM	