

## **PUBH 5000, Public Health Seminar**

Wednesday, 1:30, LSB 214

Spring 2020

**Instructor:** Scott Bernhardt, [scott.bernhardt@usu.edu](mailto:scott.bernhardt@usu.edu), 435-797-3721, VSB 114.

- Office hours: TR 1:30pm – 2:30pm, or email to schedule an appointment.

**Overview:** Public Health Seminar provides an opportunity for students to learn about a variety of public health issues that may not be addressed in other courses. Students learn from each other, and as they research their chosen topic and present it to the class. Class discussions will address current issues of public health. This course is intended for any student with an interest in public health, and it can be repeated for credit.

**Grading:** Course grades will be determined by classroom participation, the quality of the student's presentation, and a few assignments. Students will complete confidential written evaluations of their peers, which will be the basis for grading the presentation. Participation grade is based on attendance. In addition, there will be three class assignments that will go towards your final grade.

The final grade for the course will be determined as follows:

- 5% - Resume/CV submission
- 5% - Public health career search assignment
- 10% - Environmental health data set analysis assignment
- 40% - Student seminar topic presentation
- 40% - Student seminar participation

Approximate grading scale:	A: ≥ 93%	A-: ≥ 90%
	B+: ≥ 87%	B: ≥ 83%
	B-: ≥ 80%	C+: ≥ 77%
	C: ≥ 73%	C-: ≥ 70%
	D+: ≥ 67%	D: ≥ 60%
	Greater than 60% is required to pass	

### **Presentations guidelines:**

- Select a relevant topic of interest for their presentation. Suggested topics are listed below. Please consult with the instructor if you wish to use another topic, or if you wish to change the scope of your presentation.
- The Internet is a suitable source of information in most cases. Be sure to use credible sources, such as the Centers for Disease Control, <http://www.cdc.gov> and Environmental Protection Agency, <http://www.epa.gov>.
- Presentations should emphasize the current status of a topic in the U.S., from a public health perspective. See <http://www.brhd.org/> for additional topic ideas
- Presentations must use PowerPoint (refer to the course website for guidance). Submit PowerPoint files in advance to the course instructor. Files will be placed on the course website for access by students.
- Students are expected to use a computer and projector for presentations, although other methods may be acceptable.

*Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444 voice, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice*

## Possible Seminar Topics

Hepatitis A and B control  
AIDS  
The U.S. Orphan Drug Act  
Hantavirus or Ebola  
Toxic Shock Syndrome  
Emerging/re-emerging infections diseases  
    West Nile Virus  
    Lyme disease  
    Avian influenza  
    SARS  
    H1N1 influenza  
    Tuberculosis  
    Syphilis  
Nosocomial infections  
Bio-terrorism and public health  
    Anthrax  
    Smallpox  
Radiological terrorism  
Pet-associated zoonoses (diseases)  
Arboviral Encephalitides  
Meningococcal disease among college students  
Quarantine of infections diseases  
Antibiotic resistance  
Legionnaire's disease  
Environmental endocrine disrupters  
Global Warming- Green House Gas rules  
Group B streptococcus  
Particulate air pollution (PM 2.5, 10)  
Bisphenol-A (BPA)  
Vaccination  
Bedbugs  
RCRA Hazardous Waste rules  
EPA and children's health  
Landfill methane recovery  
Tribal environmental management  
Indoor air quality  
Childhood lead poisoning  
Multiple chemical sensitivity  
Mad cow disease  
    Chronic Wasting Disease (elk and deer)  
MTBE (controversial gasoline additive)  
Radiofrequency exposure (radar, cell phones)  
Sexually transmitted diseases  
Nuclear waste  
Waste incinerators  
Methyl mercury – mercury pollution  
Carbon monoxide poisoning  
Asbestos  
Mold  
Food safety  
    Food-related illness  
    Genetically modified food  
    Food irradiation controversies  
    Raw milk  
Water quality  
    Waterborne diseases  
    Arsenic in drinking water  
    Cryptosporidiosis (crypto)  
Teen-age workers  
Pesticide safety  
Swimming pool safety (pumps, drownings, and waterborne diseases-cryptosporidium)  
Distracted driving  
Safe Drinking Water  
Consumer Product Safety  
Mosquito abatement programs

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**SEMINAR PRESENTATION SCHEDULE**

*This schedule may be revised to accommodate course instructor obligations*

<b>Date</b>	<b>Name</b>	<b>Topic</b>
8-Jan	Scott Bernhardt	Course introduction/Presentation Hints
15-Jan	Sophie Bassett - USU Career Counseling	Resume writing, job qualifications, job search
<b>22-Jan</b>	<b>Resumes Due - Submit via canvas</b>	
22-Jan	Scott Bernhardt	Epidemiology
<b>29-Jan</b>	<b>Public Health Career Search - Submit assignment via canvas</b>	
29-Jan	Rebecca Dick - Utah Department of Health	Environmental Public Health Practices in Utah
<b>5-Feb</b>	<b>Environmental Public Health Tracking Analysis Assignment - Submit assignment via canvas</b>	
5-Feb	David Wallace - Public Health Professor/Lead Expert	Residential Lead
12-Feb	Carl Farley - USU Public Health Professor	Radon and Homes
19-Feb	Greg White - SLC MAD	Urban Mosquito Abatement and Environmental Health
26-Feb	Farrin Weise - Bear River Health Department	Health Promotion Director & Department Overview
<b>4-Mar</b>	<b>Spring Break</b>	<b>No Class</b>
11-Mar	Student Presentations	Mariela Thompson - P.H. Intern Presentation 2-3 Students present
18-Mar	Mitch Pettit	NGO - Reach Out and Learn
25-Mar	Student Presentations	3-4 Students present
1-Apr	Student Presentations	3-4 Students present
8-Apr	Student Presentations	3-4 Students present
15-Apr	Student Presentations	3-4 Students present