



# School of Nursing and Health Professions Syllabus



**Term:**

**Credit: 3 CR**

**Office Hours:**

**Course Code: HLT 207**

**Office Location:**

**Title of Course: Environmental Health**

**Email:**

**Days & Times:**

**Phone:**

**Location:**

**Prerequisites/ Corequisites: ENG 101 &**

**Instructor:**

**BIO100, OR 107, OR 111**

## **COURSE DESCRIPTION:**

This course introduces students to environmental effects on human health. Students gain an understanding of the impact of natural environmental factors and pollutants on human disease as well as formulate possible solutions to the major environmental health problems facing individuals and communities in industrialized and developing countries. Lecture topics include the effects of the environmental pollutants and chemicals on human health such as asbestos, lead, pesticides and tobacco. Students examine health issues through various case studies with an emphasis on possible future approaches to control health problems influenced by the environment.

## **STUDENT LEARNING OUTCOMES:**

Upon successful course completion, students will be able to:

1. **Describe** major chemical, microbial, and physical health hazards found in air, water, food, soil, and wastes, and how they impact human health.
2. **Evaluate** basic strategies for identifying, evaluating, preventing, and controlling exposures to health hazards.
3. **Construct** basic strategies for preventing and controlling exposures to health hazards in the environment.
4. **Analyze** major policies, regulations, and institutions involved in controlling or mitigating environmental and occupational health risks

## **TEXTBOOK REQUIRED:**

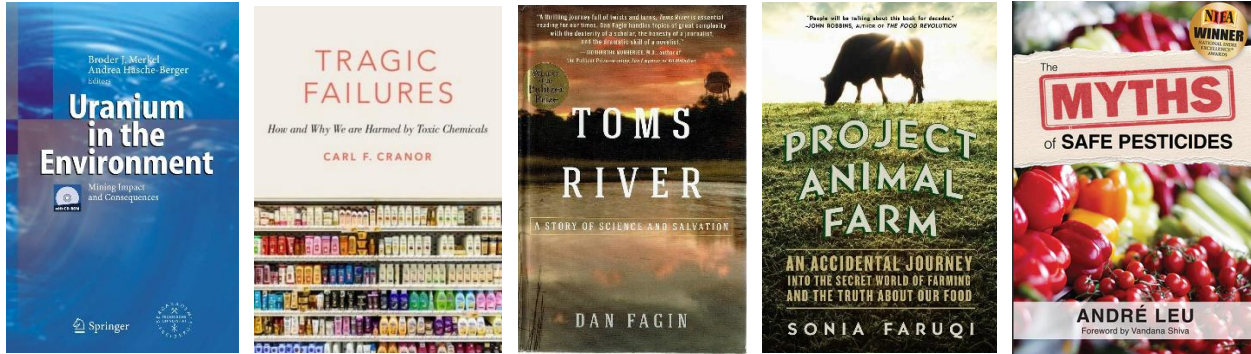
Hasche-Berger, A. (2006). *Uranium in the environment*. Retrieved from <https://link.springer.com/book/10.1007%2F3-540-28367-6>

Cranor, C. F. (2017). *Tragic failures: How and why we are harmed by toxic chemicals*. New York, NY: Oxford University Press.

Fagin, D. (2015). *Toms River: A story of science and salvation*. Washington, DC: Island Press.

Faruqi, S. (2015). *Project animal farm: An accidental journey into the secret world of farming and the truth about our food*. New York: Pegasus Books.

Leu, A. (2014). *The myths of safe pesticides*. Austin, TX: ACRES USA.



**EVALUATION METHODS:**

- Exam 1 : 25 %
- Exam 2 : 25%
- Presentation: 10%
- Research project: 15 %
- Final exam: 25%

**WEEKLY OUTLINE:**

Week	Topic	Learning Outcomes (L.O)
1	Introduction to Safety, Health, and the Environment	SLO 1
2	Types of Hazards and their Effects	SLO 1,2
3	Recognizing Chemical, Biological & Ergonomic Hazards	SLO 1,2
4	Equipment and Energy Hazard	SLO 1,2
5	Fire and Explosion Hazards	SLO 1,2
6	Respiratory Hazards	SLO 1,2
7	Food and Water Contamination	SLO 1,2
8	Natural Disasters and Inclement Weather	SLO 1,2
9	Pressure Temperature and	SLO 1,2

	<b>Radiation Hazards</b>	
<b>10</b>	<b>Working Area and Exposure to Hazards</b>	<b>SLO 1, 2, 3, 4</b>
<b>11</b>	<b>Hazard Control</b>	<b>SLO 1, 2, 3, 4</b>
<b>12</b>	<b>Fire, Rescue and Emergency Response Equipment</b>	<b>SLO 1, 2, 3, 4</b>
<b>13</b>	<b>Personal Protective Equipment and First Aid</b>	<b>SLO 1, 2, 3, 4</b>
<b>14</b>	<b>Presentation</b>	<b>Presentation</b>
<b>15</b>	<b>FINAL</b>	<b>FINAL</b>

**HCCC POLICIES, STATEMENTS, AND SERVICES:**

<https://www.hccc.edu/administration/academic-affairs/syllabus-addendum.html>