

The Course



- ❖ Instructors & Logistics
- ❖ Course Purpose & Objectives
- ❖ Course Schedule
- ❖ Course Requirements
- ❖ Course Materials
- ❖ Ground Rules

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Course Instructor

- ❖ April Huff, MS
 - > Office: IB 2426C, NSCC
 - > Phone No.: 206-527-3737
 - > E-Mail: AHuff@sccd.ctc.edu
 - > Office Hours:
 - 10:15 - 10:45 Tuesdays and Thursdays
 - Other times by appointment

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Course Instructor

- ❖ Chuck Treser, Senior Lecturer
 - > Office: E-179A HSB
 - > Phone No.: 206-616-2097
 - > E-Mail: ctreser@u.washington.edu
 - > Office Hours:
 - 1:10 - 2:00 p.m., Tuesdays & Thursdays
 - Other times by appointment

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Students

❖ Please fill out the green form and return it to April if you have not already done so.

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About the Course

❖ Environmental Health ?
❖ Touches everyone
❖ Every Day!

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Course Purpose

❖ Explore the relationships of people to their environment
❖ Examine how environmental factors and conditions affect human health
❖ Understand the causes and mechanisms of transmission of infectious and non-infectious diseases

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Course Objectives

- ❖ Identify EH hazards in the home, work place and community
- ❖ Understand the major scientific principles underlying EH programs
- ❖ Understand how legal, social and economic concerns often influence EH practice

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Course Objectives (Continued)

- ❖ Know the general control strategies used to prevent or control hazards
- ❖ Explain the difference between environmental health and environmental protection programs
- ❖ Know where to go if you are faced with an EH problem

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Course Objectives (Continued)

- ❖ Be able to analyze at least one environmental health problem -- in terms of its various dimensions:
 - > Scientific
 - > Legal
 - > Societal
 - > Economic and
 - > Political dimensions

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Course Materials

- ❖ Textbook:
 - > Nadakavukaren A., *Our Global Environment: A Health Perspective*, 6th Edition, 2006.
- ❖ Suggested Readings:
 - > *Journal of Environmental Health*
 - > Binder of interesting articles
 - > Both are available in E-179

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Course Requirements

- ❖ Assigned Readings
 - > Required
 - > Supplementary
- ❖ Class Project
- ❖ Mid-term & Final Examinations
- ❖ Class Participation

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Class Project

- ❖ Group Project
 - > Groups will be assigned
 - > Field Visit to an agency
 - > Oral Report to the class
 - > Written Report
- ❖ Grading

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Examinations

- ❖ **Mid-term Examination**
 - Tuesday, May 9, 2006
- ❖ **Final Examination**
 - Thursday, June 15, 2006
- ❖ **Project Presentations**
 - Tuesday, June 13, 2006

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On-Line Resources

- ❖ **Course web site**
 - <http://courses.washington.edu/envsc150/>
 - Syllabus
 - Schedule & Assignments
 - List of Readings
 - Lecture Notes

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Env 150 Web Site

Charles D. (Chuck) Trester, MPH
Professor, B-1703A, University of Washington Center for Urban & Environmental Health

Course Schedule

ENVSC 150: Environmental Issues and Problems
Introduction to Environmental Health

Spring Quarter 2006
Course Schedule
Lectures & Assignments

Session No.	Day	Date	Topic / Lecturer	Required Readings	Optional Readings
1	Tue.	04/04/06	Course Introduction / Environmental Health A. Platt, NCSS ENV / C. Trester, UW SECHS	Chapter 1	1. Lewis
2	Thu.	04/06/06	Prevalence and Disease C. Trester, DEOHS	Reading #1	2. Gilman 3. Meadows
3	Tue.	04/11/06	Epidemiology C. Trester, DEOHS	Chapter 6	4. Donnelly
4	Thu.	04/13/06	Ecology, Control & Prevention	Chapter 8	5. Lank
5	Thu.	04/20/06	Principles of Toxicology and Risk C. Trester, DEOHS	Chapter 7	7. Neal
7	Tue.	04/25/06	Prevalence, Control, Causes & Consequences & Case Study	Chapters 2 - 3	


<http://courses.washington.edu/envsc150/Schedule.html>

Other On-Line Resources

- ❖ EH Undergraduate Program
 - > <http://depts.washington.edu/ehug/>
- ❖ UW Program on the Environment
 - > <http://depts.washington.edu/poeweb/>
- ❖ North Seattle Community College
 - > <http://www.northseattle.edu/programs/scimath/>
- ❖ University of Washington Homepage
 - > <http://www.washington.edu>

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Questions



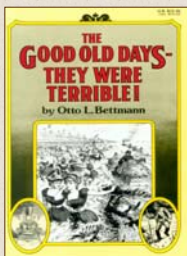
Definition

Environmental Health is . . .
the study of the adverse effects of environmental factors and conditions on human health and well-being and the development and implementation of prevention and control strategies and programs.

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Environmental Health

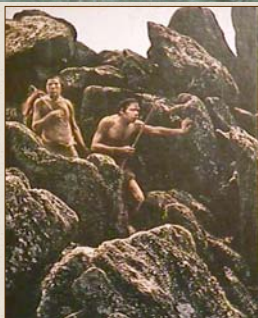


- ❖ Who?
- ❖ What?
- ❖ Where?
- ❖ When?
- ❖ Why?
- ❖ And, what can we do about it?

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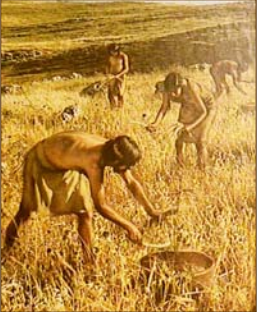
Environmental Health



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Environmental Health



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Environmental Health



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Environmental Health

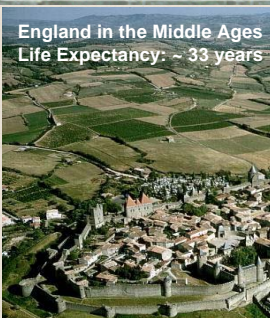
Roman Empire
Life Expectancy: ~ 22 years




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Environmental Health


England in the Middle Ages
Life Expectancy: ~ 33 years





Environmental Health

Life Expectancy:
1900: ~ 49 years
2001: ~ 77 years



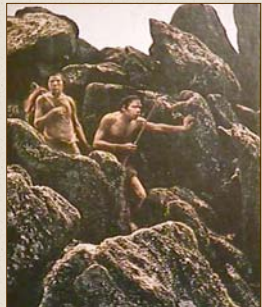
Environmental Health

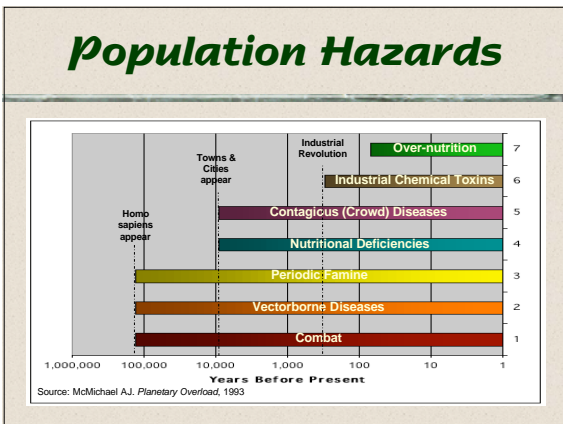
Life Expectancy:
?? years

“Foragers often lived to an old age with few signs of anxiety and insecurity”

Dennis O’Neil
http://anthro.palomar.edu/subsistence/sub_2.htm

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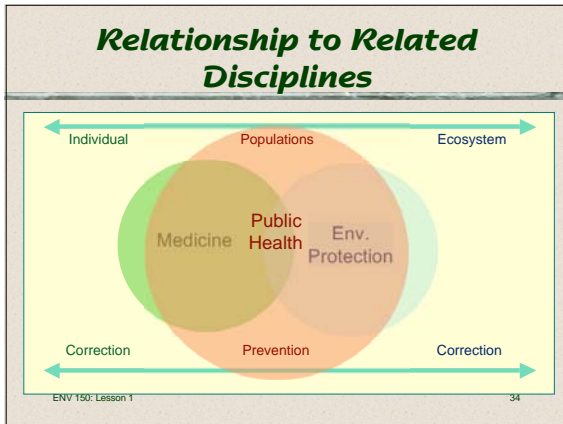


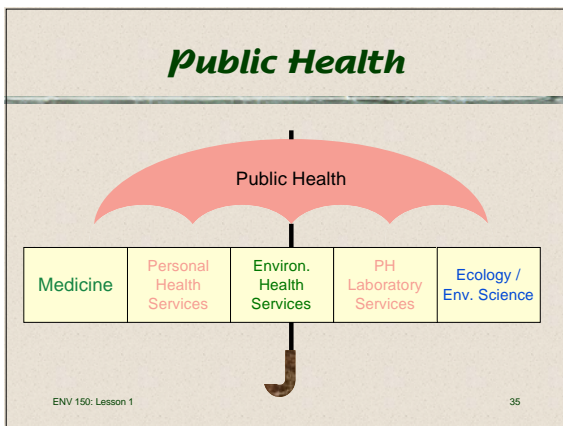
Origins of Env. Health

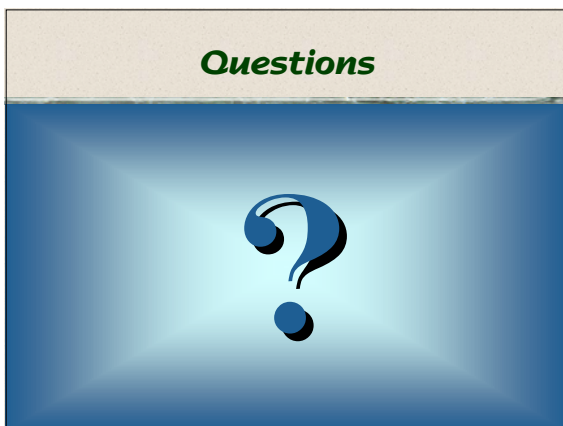
The roots of *Environmental Health* are found in many ancient cultures. Environmental Health has evolved out of two lineage:

- 1) Medicine
- 2) Engineering

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Next Lesson

Population:
Population Dynamics,
Growth & Control

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