

# Global Learning Semesters

## Course Syllabus

Course: BIOL-350 Environmental Health

Department: Health and Life Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
BIOL-350	Environmental Health	3
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	BIOL-290, BIOL-210, MATH-220
Department	Level of Course	Language of Instruction
Health and Life Sciences	Upper Division	English

### Course Description

The aim of the course is to introduce the student to environmental factors that have influenced patterns of health and disease, (population growth, workplace exposure, air, food, injury control, radiation, toxicants etc.). During the course the student will gain an understanding of how human biology and culture factors have contributed in the interactions of human societies with the wider environment and how these interactions have affected human health, wellness and the stability of ecosystems. The student is also introduced to environmental organizations and laws, the monitoring of environmental health, risk assessment, and disaster response. The format of the course is 3h/week lectures and assigned reading.

### Prerequisites

BIOL-290, BIOL-210, MATH-220

### Topic Areas

1. Consequences of population growth: the people-food predicament
2. Environmental diseases and basic requirement for a healthy environment
3. Nature and environmental health hazards: toxic substances,
4. Pests and pesticides
5. Air and noise pollution
6. Water pollutants; solid and hazardous wastes
7. Food quality
8. Radiation
9. The work place and injuries
10. Health risk assessment, characteristics
11. Risk management
12. Global health concerns
13. Actions to protect health and the environment
14. Environmental organizations

### Readings and Resources

**Required Textbook**

1. Environmental Health by Monroe T. Morgan Publisher: Brooks Cole; 3rd edition (November 15, 2002) ISBN: 053451717X

**Recommended Reading**

1. Environmental Health by D. W. Moeller, Dade W. Moeller Publisher: Harvard University Press; Revised edition (April 1, 1997) ISBN: 0674258592
2. Our Global Environment: A Health Perspective by Anne Nadakavukaren Publisher: Waveland Press; 5th edition (May 15, 2000) ISBN: 1577660986
3. Study Guide to Accompany Our Global Environment: A Health Perspective by Anne Nadakavukaren Publisher: Waveland Pr Inc; 5th edition (May, 2000) ISBN: 1577661222
4. Human Biology: Health, Homeostasis, and the Environment by Daniel D. Chiras Publisher: Jones & Bartlett Publishers; 4th edition (May, 2002) ISBN: 0763718807
5. Medical Anthropology in Ecological Perspective by Ann McElroy, Patricia K. Townsend Publisher: Westview Press; 4th edition (July 1, 2003) ISBN: 0813338212
6. Human Frontiers, Environments and Disease by Tony McMichael Publisher: Cambridge University Press (July 16, 2001) ISBN: 0521004942
7. How Much Risk?: A Guide to Understanding Environmental Health Hazards by Inge F. Goldstein, Martin Golds Publisher: Oxford University Press (February 1, 2002) ISBN: 0195139941
8. Should We Risk It? : Exploring Environmental, Health, and Technological Problem Solving by Daniel M. Kammen, David M. Hassenzahl Publisher: Princeton University Press; Reprint edition (June 1, 2001) ISBN: 0691074577
9. Health and Community Design: The Impact of the Built Environment on Physical Activity by Lawrence D. Frank, Peter O. Engelke, Thomas L. Schmid Publisher: Island Press (May 1, 2003) ISBN: 1559639172
10. Basic Environmental Health by Annalee Yassi, Tord Kjellstrom, Theo De Kok, Tee L. Guidotti Publisher: Oxford University Press (March 15, 2001) ISBN: 019513558X