

**HUMAN HEALTH AND GLOBAL ENVIRONMENTAL CHANGE
COURSE AGENDA**

Harvard Medical School HO7O3.O/ Harvard School of Public Health EH278ab

13 Sessions on Wednesdays, January 31 – May 2, 2007, 1:30—5:30 PM
Canon Room, Building C, Harvard Medical School

- January 31** **Introduction**
1.) Introduction and Course Overview—Paul R. Epstein MD, MPH, Harvard Medical School
2.) Why We Are Giving This Course—Eric Chivian MD, Harvard Medical School
3.) Environmental Health—Melissa Perry, MHS, ScD, Harvard School of Public Health
4.) How to Prepare for this Course—Daniel A. Goodenough PhD, Harvard Medical School
- February 7** **The Ecological Context**
5.) How Systems Work—Richard Levins PhD, Harvard School of Public Health
6.) Symptoms of Distress: Emerging Diseases—Mary E. Wilson MD, Harvard Medical School
- February 14** **Biodiversity**
7.) The Scope of Biodiversity—Stuart Pimm PhD, Duke University, Nicholas School
8.) Biodiversity: Its Importance to Human Health—Eric Chivian MD, Harvard Medical School
- February 21** **The Changing Climate**
9.) The Science of Climate Change—James J. McCarthy PhD, Harvard University
10.) Climate Change and Health—Paul R. Epstein MD, MPH, Harvard Medical School
- February 28** **Oceans of Change**
11.) Ocean Warming and Coral Reefs—Ray Hayes, PhD, Howard University
12.) Coral Reefs: Canaries in the Environmental Coal Mine—Nancy Knowlton, PhD, Scripps Institution of Oceanography
- March 7** **The Living Sea**
13.) Storms and the Oceans—Kerry A. Emanuel, PhD, MIT
14.) Fisheries: A Global Assessment—Carl Safina, PhD, Blue Ocean Institute
- March 14** **Addressing Environmental Challenges**
15.) Media and the Environment—Steve Curwood, *Living on Earth*, NPR
16.) Power Sources for the Future—Prabhu K. Rao, PhD, Nuvera Fuel Cells
- March 21** **Harvard Research; Harvard's Responses**
17.) Plant Responses to a Changing Climate—Michele Holbrook, PhD, Harvard University
18.) Greening the Campus—Jack Spengler, PhD, Harvard School of Public Health
- March 28** **Break**

- April 4** **Food Production and Consumption**
19.) Sustainable Farming—Fred Kirschenmann, PhD, Leopold Center for Sustainable Agriculture, Iowa State University
20.) Nutrition and Human Health—Joan Gussow, Med, EdD, Columbia University
- April 11** **Chemicals and Communities**
21.) Pesticides—Melissa Perry, MHS, ScD, Harvard School of Public Health
22.) Community Health: Alabama to South Africa and A Life Cycle Analysis of Nuclear Energy—Richard Clapp, DSc, MPH, Boston University
- April 18** **Solutions**
23.) Healthy, Green Buildings—Bob Fox, AIA, Cook + Fox Architects
24.) Banking: Investing in Our Common Future—Amy Davidsen, JPMorgan Chase
- April 25** **More Solutions and New Alliances**
25.) Smart Growth—Howard Frumkin, MD, DrPH, National Center for Environmental Health, CDC
26.) Building Alliances—Jerome Ringo, The Apollo Alliance
- May 2** **Final Presentations**