This class meets with SPEA-H 316.

This course is intended to provide students with a broad perspective on how the complex interactions of man and environment affect human health. Emphasis is placed on understanding the ways in which biological, chemical, and physical agents in the environment cause disease and the means by which such disease can be prevented or controlled. The first one-third of the course is devoted to a review of the essential framework and tools of environmental health practice including concepts of disease and its prevention, epidemiology, toxicology, and risk assessment. The remaining two-thirds of the course focuses on the application of these concepts and tools in a range of traditional environmental health sub-disciplines such as food safety, vector control, air and water quality and pollution control, radiological health, solid and hazardous waste management, and occupational health.

*Mr. Crouch is a broadly trained radiological health and safety professional with more than 30 years of diverse experience in various positions within universities and government. He holds a Master of Science in Radiological Health Physics from Purdue University and a Master of Public Health from the University of Minnesota. He is currently the Director of Radiological Safety for Indiana University-Bloomington, where his responsibilities include managing the activities and associated hazards of radioactive material uses licensed by the U.S. Nuclear Regulatory Commission. Previous positions have included serving as the Radiation Safety Officer for Iowa State University, Chief of the Division of Radioecology for the Illinois Department of Nuclear Safety (IDNS), and Head of Nuclear Materials Inspection and Enforcement for the Illinois Department of Nuclear Safety (IDNS). His professional experience also includes serving in several key positions in State Radiological Emergency Response Plans, in which he participated in full scale emergency response exercises for Nuclear Power Plants in Illinois, Iowa, and Nebraska. As an Adjunct Faculty member of the IU School of Public and Environmental Affairs for the past 19 years, Mr. Crouch has developed and taught courses in Environmental Health Science, Controversies in Environmental Health, Radiological Hazard Management, and Nuclear Technology and the Environment.*