Environmental Health (1) 3 Oct. 2019

· Support page

http://minato.sip21c.org/envhlth-special/index.html

Objectives

- One of the core curricula in Master of Public Health (currently we don't have MPH course in Kobe University)
- Understanding health and survival in relation to their environmental conditions (physical, chemical, biological)
- Reference
 - Frumkin H [Ed.] (2010) Environmental Health: From Global to Local, 2nd Ed. Jossey-Bass, John Wiley and Sons. (3rd Ed. 2016)
 - Theodore L, Dupont RR (2012) Environmental Health and Hazard Risk Assessment: Principles and Calculations. CRC Press
 - White F, Stallones L, Last JM (2013) Global Public Health: Ecological Foundations. Oxford University Press.

- **Subjects**
- Methods and paradigms

Ecology and environmental health / Toxicology / Environmental and occupational epidemiology / Exposure assessment, industrial hygiene and environmental management / Environmental psychology / Genetics and environmental health, environmental health ethics, environmental justice

- · Environmental health on the global scale
 - Population pressure / Climate change / Developing nations
- Environmental health on the regional scale
 Air pollution / Energy production / Healthy communities / Water and health
- Environmental health on the local scale

Solid and hazardous waste / Pest control and pesticides / Food safety / Healthy buildings / Workplace health and safety / Radiation / Injuries / Environmental disasters / Nature contact / Children and environment

- · Practice of environmental health
 - Prevention in environmental health / Environmental health practice / Geographic information systems / Risk assessment / Environmental health policy / Risk communication / Legal remedies



What is Environmental Health?

- WHO (2004): Environmental health comprises those aspects of human health, including quality of life, that are determined by physical, chemical, biological, social and psychological factors in the environment. It also refers to the theory and practice of assessing, correcting, controlling, and preventing those factors in the environment that can potentially affect adversely the health of present and futute generations
- Agency for Toxic Substances and Disease Registry, cited in US Dept. Health and Human Services (1998): Environmental health is the branch of public health that protects against the effects of environmental hazards that can adversely affect health or the ecological balances essential to human health and environmental quality

"Conflicts of interest" problem

<< Schedule of the class >>

The lecture is done in the second semester on Thursday, 14:50-16:20 at GSICS Presentation Room.

Orientation and Introduction (3 Oct. 2019) Ecology and environmental health (10 Oct. 2019) Toxicology (17 Oct. 2019) Environmental and occupational epidemiology, exposure assessment (24 Oct. 2019) Genetics (GMO), biodiversity, agriculture and food production (31 Oct. 2019) Environmental psychology (7 Nov. 2019) Risk assessment, management and communication (14 Nov. 2019) Environmental health ethics, environmental justice (21 Nov. 2019) Population pressure (28 Nov. 2019) Climate change (5 Dec. 2019) Environmental disasters (12 Dec. 2019) Water and health (19 Dec. 2019) Solid and hazardous waste (9 Jan. 2020) Food safety (16 Jan. 2020) Noise and radiation (23 Jan. 2020)