

(人類生態学特論 I)

Lecture Schedule of Human Ecology I, 2010 **(for Graduate Course)**

April 30, 2010

Time: Friday 9:30 -- 12:00 a.m.

Room: Meeting Room of Department of Human Ecology

(E604, 6th floor at Annex of Med. No.3 building 医学部 3 号館別棟)

May 7 Introduction of Human Ecology (Watanabe)

Ecology of diseases (Watanabe)

Gluckman PD and Hanson MA: Living with the past: Evolution, development, and patterns of disease. Science 305, 1733-6, 2004. [Alan]

May 14 Special lecture "International Health and Human Ecology"

(Kazuhiko Moji, Research Institute for Humanity and Nature)

May 21 Biomarkers and health/environmental risks (Watanabe)

Jarup L and Akesson A: Current status of cadmium as an environmental health problem. Toxicology and Applied Pharmacology, 238, 201-208. [Bui]

May 28 Cities, urbanization and health (Watanabe)

Marks, GC: Changing nutritional health in South East Asia. In: Ohtsuka and Ulijaszek (eds) Health Change in the Asia-Pacific region, Cambridge University Press, 2007 [Nicole]

Ewing R et al.: Relationship between urban sprawl and physical activity, obesity, and morbidity. In: Marzluff JM et al.: Urban Ecology: An International perspective on the Interaction between Humans and Nature. Springer, 2008. P.567-583. [Baum]

June 4 School Trip

June 11 Food survey and nutrition (Umezaki)

Ulijaszek SJ and Strickland SS. Nutritional studies in biological anthropology. In: Lasker GW and Mascie-Taylor CGN (eds) Research strategies in human biology. Cambridge Univ Press, 1993, or

McDade et al. (in press) Early origins of inflammation: microbial exposures in infancy predict lower levels of C-reactive protein in adulthood. Proceedings of the Royal Society B (Biological Sciences), doi:10.1098/rspb.2009.1795. [Bruno: please choose either of the two papers or you can read both]

Activity and behavior (Umezaki)

#Sallis, J.F., Conway, T.L., Prochaska, J.J., McKenzie, T.L., Marshall, S.P., & Brown, M. (2001). The association of school environments with youth physical activity. *American Journal of Public Health*, 91, 618-620.

#Frank, L.D., Andresen, M.A., & Schmid, T.L. (2004). Obesity relationships with community design, physical activity, and time spent in cars. *American Journal of Preventive Medicine*, 27, 87-96.

[Li]: please choose either of the two papers and also *summarize the information of “Active Living Research (<http://activelivingresearch.org/>)” and “IPEN (<http://www.ipenproject.org/index.htm>)*.

June 18 GIS use in health sciences (Umezaki)

Sasaki S. et al. Impact of drainage networks as social infrastructure on cholera outbreaks in an inland urban city in Zambia. *American Journal of Public Health*, Vol.99, No.11, pp.1982 – 1987, 2009.

Sasaki S. et al. Spatial analysis of risk factor of cholera outbreak for 2003–2004 in a peri-urban area of Lusaka, Zambia. *American Journal of Tropical Medicine and Hygiene*, Vol.79, No.3, pp.414 – 421, 2008. [Yamashita]: please choose either of the two papers and also *summarize the concept of Geographic Information System and Spatial Statistics*].

Demography survey (Umezaki)

Lu Y. et al. Test of the 'healthy migrant hypothesis': a longitudinal analysis of health selectivity of internal migration in Indonesia. *Social Science and Medicine*, 67: 1331-1339, 2008.

Gage TB. Demography. In Stinson S et al. (eds), *Human Biology: An Evolutionary and Biocultural Perspectives*. Wiley-Liss, pp. 507-551, 2000. [Otavio]: please choose either of the two papers.

June 25 No Lectures

July 2 Sustainability and health (Watanabe)

* Rockstrom et al. A safe operating space for humanity. *Nature* 461, 472-475, 2009.

* Wilkinson et al.: Public health benefits of strategies to reduce greenhouse-gas-emissions; household-energy *Lancet*, Nov 2009 issue, p.9-21.

Grambsch A and Menne B: Adaptation and adaptive capacity in the public health context. In: *Climate change and human health – Risks and responses*. WHO, 2003 P.220-236

[Yamazaki]: Please choose one of the three papers]

Fundamentals of Human Ecology Research Design (Umezaki)