

Frontier of Sustainability Science 2013

Theme and Objectives

This course is designed to learn a great variety of researches conducted at the frontier of “Sustainability Science”, through the latest research outcomes of Sustainability Science Consortium (SSC). SSC is a research network for establishing a new academic field “Sustainability Science” among Japanese universities. By understanding a variety of academic fields related to sustainability and interactions among them, students will come to take part in the process of integrating several academic disciplines and establishing a new academic field “Sustainability Science”.

Description

This course consists of lectures by leading runners in SSC partner universities and general discussion and interaction part. Lectures will be offered from each university through TV conference systems and this course is the required course of “Joint Educational Program of SSC”. This course will be offered in English. In academic year of 2013, the course will be held on July 13, 14 and 15 as an intensive course.

		July 13 (Saturday)	July 14 (Sunday)	July 15 (Monday)
1	09:00-10:45	Guidance and overview of sustainability science (Hara & Uwasu, Osaka U)	Impacts of climate change and response strategy (Yokoki Hiromune, Ibaraki U)	Energy demand and related environmental and social challenges (Yohei YAMAGUCHI, Osaka U)
2	11:00-12:45	Sustainable fisheries co-management in Japan (Yasunori Sakurai, Hokkaido U)	Adaptation to the Flood Risk: the Case of Mississippi Delta in the United States (Yayoi Haraguchi, Ibaraki U)	Climate change and sustainable development concern in Africa (Masafumi Nagao, U of Tokyo)
3	13:45-15:30	Application of weather and climate information for regional sustainability (Tomonori Satoh, Hokkaido U)	New types of renewable energy: prospects, development and intermittency issues (Miguel Esteban, The U of Tokyo)	Discussion at each university (13:45-15:30) Presentation and Q&A (15:30-17:25)
4	15:45-17:30	Advanced technology for sustainable development - Analysis of fusion from sustainability (Satoshi Konishi, Kyoto U)	Policy options for decoupling economic growth and GHG emission reduction - Germany and Japan compared - (Seiji Ikkatai, Kyoto U)	Students' ballot for the best presentations and award ceremony (17:25-17:45)
5	17:30-18:00	Internal discussion	Internal discussion	Wrap-up (17:45-18:00)