

## 平成24年度研究科横断型教育プログラム(Aタイプ)授業科目

開講方式	Aタイプ (研究科 開講型)	研究科名	Global Environmental Studies	横断区分	文理横断型	開講場所	吉田キャンパス		
授業科目名	Frontier of Sustainability Science			講義担当者 所属・氏名	Akihisa MORI, Global Environmental Studies Satoshi KONISHI, Institute of Advanced Energy, etc				
配当 学年	Master	単位数	2単位	開講 期	前期	曜 時 限	July 14, 15, 16 09:00-18:00	授業形態	講義・演習
〔授業の概要・目的〕									
This class is designed for graduate students to learn a variety of research frontier of Sustainability Science. Sustainability Science is a new academic field that was lately created to find out ways to attain sustainable development and sustainable society. By understanding a variety of academic fields related to sustainability and interactions among them, students are expected to get recognition, beliefs and instruments, not to mention to technological solution and practical knowledge that help to advance sustainable development									
〔研究科横断型教育の概要・目的〕									
This class aims to provide an integrated and inter-disciplinary approach to sustainability science. Lectures consist from a variety of academic field, including philosophy, politics, economics, energy, architecture, meteorology and marine science and so on. In this sense, this class welcomes students from a variety of research area. Students are encouraged to share ideas, knowledge and deep understanding on ways to advance sustainable development through group discussions and presentation that followed by the lectures.									
〔授業計画と内容〕									
Lectures are given by professors of five universities: Hokkaido University, Ibaragi University, University of Tokyo, Osaka University and Kyoto University. All the lectures and group works are given in English. Detailed description is as follows. Students are expected to raise questions to the lecturers. Lecture 1: Introduction Lecture 2-6: Conceptual and ethical viewpoints: Environment and development in Africa, Consensus building, Environmental conservation and Ainu people Lecture 7-11: Science and technological viewpoints: Advanced energy development, Urban tree-planting, Climate change adaptation, Sustainable fishery management, Lecture 12-14 Group works and presentation									
〔履修要件〕									
Students are expected to take classes on environmental studies or development studies in English.									
〔成績評価の方法・基準〕									
Group presentation in the class and a post-lecture report									
〔教科書〕									
None									
〔参考書等〕									
United Nations University, Sustainability Science: A Multidisciplinary Approach, Tokyo: UNU Press, 2011									
〔その他(授業外学習の指示・オフィスアワー等)〕									