

Subject	Introduction to Resource and Environmental Economics (資源環境経済学概論)	Day/Period	1 <sup>st</sup> Quarter Thur./3rd, 4th	Object	AMB/JYPE
Instructor (Post)	H. Sekine, <i>et al.</i> (Prof.)	Categories	Specialized Subjects	Preferable Participants	3rd & 4th-year & JYPE students
Position	Faculty of Agriculture (Graduate School of Agricultural Science)			Credits	2
				Semester	7&9
Subject Numbering	ABS-APS359E			Language Used in Course	English
1. Class subject <b>Resource and Environmental Economics</b>					
2. Object and summary of class This class aims to understand the concepts of Resource and Environmental Economics. The teaching staff of agricultural economics will give the lectures weekly.					
3. Keywords Agricultural economics, Remote sensing, Food business, Environmental conservation, Agricultural ethics					
4. Goal of study The goal of this class is to obtain background knowledge concerning Resource and Environmental Economics as well as the basic principles of Agricultural Economics, Farm Management Science, Remote Sensing and Life Cycle Assessment of Goods.					
5. Contents and progress schedule of class  Information will be shared in Google Classroom. Class code: ivis4ib  1) Guidance (Head of department) April 10th. How are royalties on wheat varieties collected? A comparison between Japan, Germany, and Australia (Prof. Hisako SEKINE) Wheat growers can use farm saved seed, so it is difficult for breeders to collect royalties which are necessary to develop new varieties. This class explains how to collect royalties on wheat varieties in Japan, Germany, and Australia.  2) Recent Situation of Japanese Agriculture and Agribusiness (Prof. Katsuhito FUYUKI) April 17th. Poverty and socio-political unrest have deteriorated human security in developing countries. In this class, I will raise human security issues, especially food security and rural development for poverty alleviation.  3) Agricultural policy and environmental issues (Prof. Keiichi ISHI) April 24th. This lecture will examine trends of agricultural policy integrating environmental problems.  4) Community farming in Japan (Prof. Tsuyoshi SUMITA) May 1st. Recently, community farming has been established in Japan. In this class, the characteristics and functions of community farming will be explained.  5) Spatial science in agriculture (Assoc. Prof. Chinatsu YONEZAWA) May 8th. Introduction of remote sensing and geographical information science (GIS) for agricultural applications. Spatial thinking is an important and powerful agricultural problem-solving tool.  6) Food consumption and consumer behavior (Assoc. Prof. Asato MIZUKI) May 15th. In this class, the recent characteristics of change in food consumption and consumer behavior will be shown. Students will be able to learn about some problems of the future Japanese food market.  7) Slash and Burn Agriculture: Balancing Tradition, Environment and Sustainability with a focus on India (Assistant Prof. Keeni MINAKSHI) May 22nd. This lecture will examine the ecological, social, and economic aspects of slash-and-burn agriculture, focusing on its global use, environmental impacts like deforestation and carbon emissions, and specific cases in India.  8) Sustainable Agricultural Intensification of Smallholder Farms in Africa (Assistant Prof. Eustadius Francis MAGEZI) May 29th. This presentation will cover recent environmentally friendly innovations aimed at increasing cereal yields for smallholder farmers in Africa. Students will learn about promising agricultural practices that could help ensure food security on the continent.					

6. Preparation nothing special
7. Record end evaluation method Attendance to the lectures 50%, reports 50%
8. Textbook and references Textbooks and references will be introduced in class.
9. Self study nothing special
10. Practical business
11. In addition