

Subject	Introduction to Resource and Environmental Economics (資源環境経済学概論)	Day/Period	Thur./2nd	Object	AMB/JYPE
Instructor (Post)	K. Fuyuki, <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 object is to study the concepts of Resource and Environmental Economics. Ten Professors, Associate Professors and Assistant Professors 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 the 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					
① <b>Guidance (Head of department)</b>					
② <b>Readings an annual report of food, agriculture and rural village in Japan (Head of department)</b> An annual report of Japanese MAFF shows the outline of food, agriculture and rural village in Japan.					
③ <b>Food &amp; Agriculture for Human Society (Prof. Katsuhito FUYUKI)</b> 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.					
④ <b>Agricultural policy and environmental issues (Assoc. Prof. Keiichi ISHI)</b> This lecture will examine trends of agricultural policy integrating environmental problems.					
⑤ <b>Recent Situation of Japanese Agriculture and Global Food Production (Head of department)</b> World food supply and demand has changed dramatically in 21th Century. We explain its causes like emerging economies' economic growth and expanding use of agricultural products for biofuels, and its implication. And also we study agricultural structural problems of Japan like too small farming.					
⑥ <b>Trends of Japanese food consumption and consumer's behavior (Prof. Fusao ITO)</b> In this class, recent characteristics of change in Japanese food consumption will be showed. Students will be able to learn some problems of Japanese future food market.					
⑦ <b>Environment and Development (Assoc. Prof. Nina TAKASHINO)</b> In the lecture, key concepts of environmental economics such as externality, the tragedy of commons, public goods, Prisoners' Dilemma will be introduced in the context of economic development.					
⑧ <b>Recent Situation of Japanese Agriculture and Agribusiness (Prof. Katsuhito FUYUKI)</b> Farmer's income comprises not only agricultural income. Japan's government should support promoting agriculture production-related businesses, such as the processing of farm products by farmers themselves. In this lecture, statistical data and other information of such businesses will be introduced					
⑨ <b>Spatial science in agriculture (Assoc. Prof. Chinatsu YONEZAWA)</b> Introduction of remote sensing and geographical information science (GIS) for agricultural application. Spatial thinking is an important and powerful agricultural problem solving tool.					
⑩ <b>Slash and Burn Agriculture: Environmental Degradation in Meghalaya, India (Assistant Prof. Minakshi Keeni)</b> This lecture will cover the introduction and evolution of slash and burn agriculture through time across the world. This will be followed by special emphasis on the Meghalaya case in India.					

**⑪Community farming in Japan (Prof. Tsuyoshi SUMITA)**

Recently, community farming has been established in Japan. In this class, the characteristics and functions of community farming will be explained.

**⑫Compatibility between conservation of nature and tourism (Assoc. Prof. Tomoko IMOTO)**

With nature tourism, an appropriate balance between conservation and development can lead to economic growth.

We explore possible ways to reduce the impact of tourism on nature using land-use classification and economic evaluation of nature.

**⑬Creation of the report I (Head of department, *et al.*)**

**⑭Creation of the report II (Head of department, *et al.*)**

**⑮Creation of the report III (Head of department, *et al.*)**

6. Preparation  
nothing special

7. Record end evaluation method  
Attendance to the lectures 50%, reports 50%

8. Textbook and references  
Textbook and references will be introduced by each professor.

9. Self study  
nothing special

10. Practical business

11. In addition