Subject	Introduction to Resource and Environmental Economics (資源環境経済学概論)	Day/Period	Thur./3rd, 4th	Object	AMB/JYPE
Instructor (Post)	K. Ishii, *et al*. (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

Resource and Environmental Economics

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 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 **Guidance (Head of department)**

Agricultural policy and environmental issues (Prof. Keiichi ISHI)

This lecture will examine trends of agricultural policy integrating environmental problems.

② **Food & Agriculture for Human Society (Prof. Katsuhito FUYUKI)**

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 **Trends of Japanese food consumption and consumer's behavior (Prof. Fusao ITO)**

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.

④ **Community 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.

⑤ **Compatibility 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.

⑥ **Spatial science in agriculture (Assoc. Prof. Chinatsu YONEZAWA)**

Introduction of remote sensing and geographical information science (GIS) for agricultural application. Spatial thinking is an important and powerful agricultural problem-solving tool.

⑦ **Social Dimensions of Biodiversity Conservation (Assistant Prof. Kota MAMENO)**

This lecture will introduce the importance of social dimensions, specifically economic, to biodiversity and

ecosystem conservation. How to address the social challenge in conservation will also be introduced in the lecture.

⑧ **Slash and Burn Agriculture: Environmental Degradation in India and Africa (Assistant Prof. Keeni MiINAKSHI, Assistant Prof. Eustadius Francis MAGEZI)**
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 cases in India and Africa.

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 in class.

9. Self study
nothing special

10. Practical business

11. In addition