

## **AGRI 111 : Sustainable Agriculture Development**

**3(3-0-6)**

### **Course Description**

Main concept of sustainable agriculture development by integration of economic, social and environment factors; agricultural and livestock systems; natural resources and biodiversity; social geography under the challenge of globalization and climate change; sustainable agriculture development in highland; rural livelihood.

### **Course Objectives** : Students are able to

1. explain the principles of sustainable agriculture development, and relationships among economic, social and environment factors in sustainable agriculture development.
2. explain the models of agricultural and livestock systems, and natural resources under climate change.
3. explain the rural livelihood, impacts of globalization on social geographic change, and guidelines for sustainable agriculture development.

### **Course Content**

	<b>No. of Lecture Hours</b>
1. Basic of economy, society, and environment; and social geographic change	4.5
2. Main concept of sustainable agriculture development	4.5
3. Agriculture development in highland and rural area	6
4. Economic aspects for sustainable agriculture development	4.5
5. Natural resources and biodiversity of plants and animals	9
6. Agricultural and livestock systems	7.5
7. Regulations concerning environment conservation	4.5
8. Assessment of climate change influencing on environment	4.5
<b>Total</b>	<b><u>45</u></b>