

**Agricultural Systems Program**  
**366704 (AGS 704): Case Study of Agricultural Systems**

**Faculty of Agriculture**  
**2(0/0-2/0)**

Prerequisite: 366701

This course is opened for: Core course

**Instructor:** Dr. Budsara Limmirankul and Lecturer Phrek Gypmantasiri

**Course Description**

The course will discuss typology of agricultural systems as exemplified by the Northern Thai agriculture. This will provide students with better understanding of complexity of agricultural systems and ways of learning approaches as given in AGS 701: Basics of Agricultural Systems. Field excursions will be arranged to expose students to capture inherent properties and diversity of farming systems. Students will interact with farmers in informal discussions and interviews. This will enable students to understand multiple functions of agriculture, and farmers' adaptive management in the globalizing economy. Case study research approach will be presented to prepare students for using case study as a research tool to assess farming systems performance and to develop management options.

**Course Objectives:** To enable students:

1. To enable students understand and identify key embedded elements of agricultural systems, and driving forces that affect the changes and management practices
2. To enable students using case study research design to explore, explain, and/or describe farmers' adaptive management

<b>Course content</b>	<b>No. lecture hours</b>
I. The first module: Typology of Agricultural Systems Discussions and field excursions	10
II. The second module Case study research approach Class discussion and assignment	5
III. The third module Field work, data collection, analysis, presentation, and Report writing	15
Total	<u>30</u>