

AEC 205 : Agricultural Development in Asia

3(3-0-6)

Course Description

The roles of agricultural development on food security and poverty of agricultural section in Asian countries; context of human and basic infrastructure development for agriculture; access to land, inputs, credit and markets; factors affecting agricultural development; impacts of agriculture and agricultural practices on rural livelihood and environment; case studies and field trips.

Course Objectives : Students are able to

1. explain the roles and the importance of agriculture for development in Asian countries.
2. analyze current situations, problems and potentials of agricultural development in Asian countries.
3. apply farmer experience in solving problems of agricultural development.

Course Content

	No. of Lecture Hours
1. The roles of agricultural development	6
– Food security and poverty of agricultural section in Asian countries	
– Agricultural production and diversity of production systems	
2. Access to land, water, and inputs	9
– Security in land and land use	
– Water use	
– Plant varietal, fertilizer, and agrochemical use	
3. Access to markets	4.5
– Bringing agricultural products to markets	
– Markets and factors affecting prices	
– Growth of contract farming in Asia	
4. Factors affecting agricultural development	10.5
– Agricultural research	3
– Credit	3
– Human resource development	3
– Basic infrastructure development	1.5
5. Impacts of agriculture on rural livelihood and environment in Asian countries	3
– Drivers of resource degradation	
– Risks and challenges of agriculture in the future	
– Sustainable human-agro-ecosystem	
6. Case studies and field trips	12
– Case studies	3
– Farm field trips	9
Total	<u>45</u>