

## Module Handbook of Agricultural Socio-Economy and Food Security

<b>Module designation</b>	<p>Agricultural socio-economy and food security subject is a compulsory subject in the Geography Masters Study Program. This course can be taken by students in semester 1.2 with no previous course requirements, but this course is very important in supporting thesis preparation courses related to agricultural and food resource issues.</p> <p>To align with the learning outcomes (PLO) of the Geography Masters Study Program, the learning outcomes for the Social Economics of Agriculture and Food Security course (CLO) in general are to provide knowledge to students about how to recognize, identify and identify social economic problems and agricultural and food resources that are scattered unevenly on the surface of the earth. With this knowledge, it is hoped that students will be able to formulate policies to manage socio-economic and agricultural and food resources using a spatial-ecological approach. Meanwhile, specifically the course learning outcomes (CPMK) based on the subject matter are as follows: (1) students are able to understand the scope, concepts and definitions of socio-economics and agricultural resources; (2) students are able to understand the geographical approach in socio-economic studies and agricultural resources; (3) students are able to understand the socio-economic problems of agriculture and the availability and needs of agricultural resources; (4) students are able to understand types and socio-economic characteristics and agricultural resources; (5) students are able to understand socio-economic and agricultural resources as factors of agricultural production; (6) students are able to understand the socio-economic management policies and agricultural resources; (7) students are able to do a Case Study (Mapping the Potential of Agricultural Resources); (8) students are able to understand the history of the socio-economic development of world agriculture and food; (9) students are able to understand the concept and definition of food resources and food security; (10) students are able to understand the measurement of food security indicators and variables; (11) ) students are able to understand the challenges of agriculture and food in the era of technological disruption; (12) ) students are able to understand (13) ) students are able to understand the effect of climate change on food security; (14) ) students are able to understand food management policies and food security. To understand course II, students are advised to examine several reference sources in the form of textbooks such as agricultural geography books, agricultural and environmental resources, methods for preparing food security, and other textbooks. In addition, students are encouraged to read national and international journals related to the sub-themes of this course. The strategy used to achieve lecture learning is applied face-to-face methods, discussions, exercises, and practice in the form of case studies.</p>
<b>Semester(s) in which the module is taught</b>	Even/ Second (2 <sup>nd</sup> ) Semester
<b>Person responsible for the module</b>	Dr. Rika Harini, S.Si., MP. Dr. Sudrajat, S.Si., M.P.
<b>Language</b>	Bahasa Indonesia
<b>Relation to curriculum</b>	Compulsory

<b>Teaching methods</b>	SCL (Student Centered Learning) : Case-based learning, team-based project.									
<b>Workload (incl. contact hours, self-study hours)</b>	<b>CLO 1</b>	Interactive discussion in class	3 meetings 6 x 50 minutes of classroom lectures and discussions							
	<b>CLO 2</b>	Interactive discussions in class and Group Assignments	3 meetings 6 x 50 minutes of classroom lectures and discussions							
	<b>CLO 3</b>	Interactive discussion in class and Individual task	2 meetings 4 x 50 minutes of classroom lectures and discussions							
	<b>CLO 4</b>	Interactive discussion in class and Individual task	2 meetings 4 x 50 minutes of classroom lectures and discussions							
	<b>CLO 5</b>	Interactive discussion in class and Group task	2 meetings 4 x 50 minutes of classroom lectures and discussions							
	<b>CLO 6</b>	Interactive discussion in class and Final exam	2 meetings 4 x 50 minutes of classroom lectures and discussions							
<b>Credit points</b>	<b>Assessment Techniques</b>	<b>Percentage of Assessment (%)</b>	<b>Criteria/ Indicators</b>	<b>CLO (%)</b>						
				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	
	Participatory Activities*)	20%	Contribution of class discussion activities in each subject matter of the lecture		20%					
	Project Results/ Case Study Results/ PBL Results*)	30%	Complete case study reports are available			30%				
	<b>Cognitive</b>									
	Assignment	20%	The results of the task are available and complete	10%	10%					
	Mid-term	15%	Students answer the questions correctly	20%	10%					
	Final Exam	15%	Students answer the questions correctly							
	Total	100%		30%	40%	30%				

	*) can be obtained from Mid-term or Final exams which are the results of participatory activities or the results of projects/case studies. By IKU 7, the total percentage of participatory activities and project results/case studies/PBL at least 50%.	
<b>Required and recommended prerequisites for joining the module</b>		
<b>Module objectives/intended learning outcomes</b>	<b>PLO A2</b>	Understand and comprehend the methods and techniques of geographical analysis for managing human resources, watersheds, coasts, seas, disasters, and environmental and socio-economic issues in regional development.
	<b>CLO 1</b>	<ol style="list-style-type: none"> <li>1. Students are able to understand the scope, concept and definition of socio-economic and agricultural resources [PLO A1]</li> <li>2. Students are able to understand the geographical approach in socio-economic studies and agricultural resources [PLO A1]</li> <li>3. Students are able to understand the socio-economic problems of agriculture and the availability and needs of agricultural resources [PLO A1]</li> </ol>
	<b>CLO 2</b>	<ol style="list-style-type: none"> <li>4. Students are able to understand types and socio-economic characteristics and agricultural resources [PLO A1]</li> <li>5. Students are able to understand socio-economic and agricultural resources as factors of agricultural production [PLO A1]</li> </ol>
	<b>CLO 3</b>	<ol style="list-style-type: none"> <li>6. Students are able to understand the policies of socio-economic management and agricultural resources [PLO A1]</li> <li>7. Students are able to do a Case Study (Mapping the Potential of Agricultural Resources) [PLO A1]</li> </ol>
	<b>CLO 4</b>	<ol style="list-style-type: none"> <li>8. Students are able to understand the history of the socio-economic development of world agriculture and food [PLO A1]</li> <li>9. Students are able to understand the concepts and definitions of food resources and food security [PLO A1]</li> <li>10. Students are able to understand the measurement of indicators and variables of food security [PLO A1]</li> </ol>
	<b>CLO 5</b>	11. Students are able to understand the challenges of agriculture and food in the era of technological disruption [PLO A1]
	<b>CLO 6</b>	<ol style="list-style-type: none"> <li>12. Students are able to understand the effect of climate change on food security [PLO A1]</li> <li>13. Students are able to understand food management policies and food security [PLO A1]</li> </ol>
<b>Content</b>	<b>CLO 1</b>	<ol style="list-style-type: none"> <li>1. Scope, concept and definition of socio-economic and agricultural resources</li> <li>2. Socio-economic studies and agricultural resources</li> <li>3. Socio-economic problems of agriculture and the availability and needs of agricultural resources</li> </ol>
	<b>CLO 2</b>	<ol style="list-style-type: none"> <li>1. Types and characteristics of socio-economic and agricultural resources</li> <li>2. Socio-economic and agricultural resources as a factor of agricultural production</li> </ol>
	<b>CLO 3</b>	<ol style="list-style-type: none"> <li>1. Policies on the management of socio-economic and agricultural resources</li> <li>2. Case Study (Mapping Potential of Agricultural Resources)</li> </ol>

	<b>CLO 4</b>	<ol style="list-style-type: none"> <li>1. History of socio-economic development of world agriculture and food</li> <li>2. Concept and definition of food resources and food security</li> <li>3. Measurement of indicators and variables of food security</li> </ol>
	<b>CLO 5</b>	<ol style="list-style-type: none"> <li>1. Agriculture and food challenges in the era of technological disruption</li> </ol>
	<b>CLO 6</b>	<ol style="list-style-type: none"> <li>1. The effect of climate change on food security</li> <li>2. Food management and food security policies</li> </ol>
<b>Examination forms</b>	Mid-term and Final Exam	
<b>Study and Examination Requirements</b>	Student participation 20%, Project result 30%, Assignment 20%, Summative Test (Mid-term and Final Exam) 30%	
<b>Reading list</b>	<b>Main:</b>	
	<ol style="list-style-type: none"> <li>1. J.A Allan. 2015. Managing Agricultural Resources in Libya: Recent Experience. Published online by Cambridge University Press:[book]</li> <li>2. G.E. Dalton. 1982. Managing Agricultural Systems. Applied Science Publisher Ltd. London and New York.</li> <li>3. Keith Daniel Weibe and Noel Gollehond. 2007. Agricultural Resources and Environmental Indicators. Nova Science Publisher. New York.[book]</li> <li>4. Leslie Symons. 2019. Agriculture Geography. Pub. Location. New York [book]</li> <li>5. Richard Magleby. 1994. Agricultural Resources and Environmental Indicators. Economic Research Service Reference Center (U.S.) · United States. Department of Agriculture. Economic Research Service.[book]</li> </ol>	
	<b>Additional:</b>	