

	<h2>Module Description/Course Syllabi</h2> <p>Study Program : S1 Undergraduate Program Faculty of Agriculture University of Andalas</p>
<p>1. Course number and name</p>	
<p>PIT612 08 Land Resources Information System</p>	
<p>2. Credits and contact hours/Number of ECTS credits allocated</p>	
<p>3 credits (2 classes, 1 practicum)</p>	
<p>3. Instructors and course coordinator</p>	
<p>Prof. Dr. Ir. Dian Fiantis, MS., MSc</p>	
<p>4. Text book, title, outhor, and year</p>	
<p>5. Specific course information</p>	
<p>A. Brief description of the content of the course (catalog description)</p>	
<p>This course discusses geographic information system technology and its application in the field of land resources. The concept of information systems, and spatial information systems. Digital SIL components and the role of each component in the applied field. Database management in SIL, both management of graphic data and attribute data, improving the quality of graphic and attribute data, manipulating graphic data, processing data, and preparing tabular and spatial information systems. Entering spatial data from various spatial data sources (remote sensing, data transfer, printed maps, tables and data from the field). Analyze spatial data for specific purposes according to available data formats and established analysis methods, and present the results of land resource data analysis for sustainable land resources.</p>	
<p>B. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)</p>	
<p>First Cycle Bachelor</p>	
<p>C. Year of study when the course unit is delivered (if applicable)</p>	
<p>2nd Year</p>	
<p>D. Semester when the course unit is delivered</p>	
<p>Even Semester</p>	
<p>E. Mode of delivery (face-to-face, distance learning)</p>	
<p>Face to face</p>	
<p>6. Intended Learning Outcomes (CPL)</p>	
<p>ILO-3: Able to use various methods for appropriate soil and plant analysis in land resource management PI 1 Use laboratory equipment for soil and plant analysis according to SOP PI 2 Able to analyze soil and plants precisely, thoroughly using the latest methods ILO-4: Able to apply professional responsibility to make decisions in land and environmental management PI 2: Interpret the nature and characteristics of soil ILO-5: Able to keep up with the latest knowledge developments and apply them to support appropriate learning strategies PI 1 : Review the literature and new technological knowledge about soil and environmental science</p>	
<p>7. Course Learning Outcomes (CPMK) ex. The student will be able to explain the significance of current research about a particular topic.</p>	
<ol style="list-style-type: none"> 1. Use laboratory equipment for soil and plant analysis according to SOP 2. Able to analyze soil and plants precisely, thoroughly using the latest methods 	

3. Interpret the nature and characteristics of soil
4. Review the literature and new technological knowledge about soil and environmental science

8. Learning and teaching methods

Cooperative Learning and Project Based Learning

9. Language of instruction

Indonesian

10. Assessment methods and criteria

Summative Assessment :

1. Assignment
2. UTS
3. UAS
4. Internship

Formative Assessment:

1. Thumb up and thumb down
2. Minutes paper