

	Module Description/Course Syllabi Study Program : Bachelor Program (S1) Faculty of Agriculture University of Andalas
1. Course number and name	
PIT621 09 Survey and Land Evaluation	
2. Credits and contact hours/Number of ECTS credits allocated	
3 credits (2 classes, 1 practicum) / 4.6	
3. Instructors and course coordinator	
1. Prof. Dr. Ir. Dian Fiantis, MSc 2. Dr. Juniarti, SP.,MP 3. Frisa Irawan Ginting, SP, MP 4. Zuldadan Naspendra, , SP. Msi	
4. Text book, title, outhor, and year	
1. Food Agriculture Organization. 1976. A framework for Land Evaluation. 2. Hardjowigeno, S and Widiatmaka (2001) Land Suitability and Land Use Planning. Bogor Agricultural Institute. Bogor. 3. Van Ranst (1992) Modelling Land Production Potentials- A New Wave in Land Suitability Assesment. Laboratary for Soil Science, Departement of Geology and Soil Science, University of Gent, Gent. Belgium. 4. de la Rosa D., Van Diepen, C. A. 2002. Qualitative and Quantitative Land Evaluation. 5. Kusumo, n. et al. 2011. Petunjuk teknis Evaluasi Lahan untuk Komoditas Pertanian. Kementerian Pertanian 6. . Hikmatullahet al. 2014. Petunjuk Tenis Survei dan Pemetaan Tanah Tingkat Semi Detail Skala 1:50.000 7. Soil Science Division Staff. 2017. Soil Survey Manual. USDA. 8. Deckers et al. 2004. Soil Survey as basis tool to Soil Evaluation. EOLSS.	
5. Specific course information	
A. Brief description of the content of the course (catalog description)	
After completing this course, students will be able to explain soil mapping and determine its suitability with certain types of plants according to the quality of the land they display so as to achieve sustainable, optimal land use. harmonious and balanced and sustainable.	
B. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	
First Cycle Bachelor	
C. Semester when the course unit is delivered	
Even Semester	

<i>D. Mode of delivery (face-to-face, distance learning)</i>
Face to face
<i>6. Intended Learning Outcomes (CPL)</i>
ILO-2: Able to identify, analyze, and solve land problems in improving productivity and quality of agricultural products for development P2.1. Characterizing soil fertility (physics, chemistry, soil biology) P2.2.Classifying soil types ILO-4: Able to apply their professional responsibilities to make decisions in land and environmental management P4.2 Interpreting soil properties and characteristics P4.3 Determine alternative solutions to land problems ILO-5: Able to keep up with the latest knowledge and apply it to support appropriate learning strategies P5.2 Using software technology, lab and field equipment for accurate data analysis
<i>7. Course Learning Outcomes (CPMK) ex. The student will be able to explain the significance of current research about a particular topic.</i>
1. Characterize soil fertility (physics, chemistry, soil biology)
2. Classify soil types
3. Interpret soil properties and characteristics
4. Determine alternative solutions to land problems
5. Using software technology, lab and field equipment for accurate data analysis
<i>8. Learning and teaching methods</i>
Cooperative Learning and Case Method Learning
<i>9. Language of instruction</i>
Indonesian
<i>10. Assessment methods and criteria</i>
Summative Assessment : 1. Assignment 2. UTS 3. UAS 4. Internship Formative Assessment: 1. Minutes paper

