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)

3. *Instructors and course coordinator*

1. Dr. Juniarti, SP.,MP
2. Ir. Junaidi, MP
3. Zuldadan Naspendra, , SP. MSi
4. Prof. Dr. Ir. Dian Fiantis, MSc

4. *Text book, title, outhor, and year*

1. Hardjowigeno, S and Widiatmaka (2001) Land Suitability and Land Use Planning. Bogor Agricultural Institute. Bogor.
2. Sitorus, SRP (1985) Land suitability evaluation. Buana Library. Bandung.
3. Van Ranst (1992) Modelling Land Production Potenstials- A New Wave in Land Suitability Assesment. Laboratary for Soil Science, Departement of Geology and Soil Science, University of Gent, Gent. Belgium.
4. Center for Soil and Agroclimate Research (1992) Technical Guidelines for Land Evaluation for
5. Plant. Center for Soil and Agroclimate Research. Bogor. CSR/FAO Staff (1983) Reconnaissance Land Resource Surveys 1:250,000 Scale. Atlas
6. Format Procedures. Ministry of Agriculture Government of Indonesia and United Nations Development Programme and Food and Agriculture Organization. Bogor. Indonesia..

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
D. Mode of delivery (face-to-face, distance learning)
Face to face
6. *Intended Learning Outcomes (CPL)*
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
7. *Course Learning Outcomes (CPMK)* *ex. The student will be able to explain the significance of current research about a particular topic.*
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
8. Learning and teaching methods
Cooperative Learning and Case Method 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