Module Description/Course Syllabi

Study Program : S1 Undergraduate Program
Faculty of Agriculture
University of Andalas

1. *Course number and name*

PIT611 01 Agrogeologi

2. *Credits and contact hours/Number of ECTS credits allocated*

3 credits (2 classes, 1 practicum)

3. *Instructors and course coordinator*

Prof.Dr.Ir. Dian Fiantis, MSc
Prof.Dr.Ir. Azwar Rashidin, MSc,
Zuldadan Naspendra, SP. MSi
Dr. Juniarti, SP. MP

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

1. Roberts, J. L. 1991. Geological Structures. The Macmillan Press. London. 260 hal.
2. Hamblin, W. K. 1978. The Earth's Dynamic System. Burgess Publishing Company. Minneapolis. 459 hal.
3. McGeary, D., C. C. Plummer, and D. H. Carlson. 2002. Physical Geology. McGraw Hill Higher Education. 574 hal.
4. Katili, J.A and P. Marks () National Jakarta
5. Munir, M. 1996. Geology and Soil Mineragy. Jaya Library. Jakarta. 290 p.
6. Suharyadi. 2004. Introduction to Engineering Geology. Publishing Bureau of Civil Engineering Department UGM. Jogyakarta. 134 p.
7. Perkins, D. 1998. Mineralogy. Prentice Hall.484 hal.
8. Klein, C. 2004. The 22nd edition of the Manual of Mineral Science. John Wiley & Sons, Inc. 641 hal.

5. *Specific course information*

A. Brief description of the content of the course (catalog description)

This learning aims to make students understand and have a basis in earth science, about the forces that work inside and outside the earth, about plate movement, about geological cycles, about minerals as a constituent of rocks and understand about primary and secondary minerals. Students can also understand the history of the earth and the history of rocks, so that general knowledge about geology in Indonesia can equip students with the danger of landslides or the danger of tectonic movements.

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 1: Able to apply basic agricultural sciences widely in overcoming agricultural problems for sustainable agricultural development (P)
PI 1 : Explain agricultural sciences related to soil science.

ILO 4: Able to apply their professional responsibilities to make decisions in land and environmental management PI 1 : Evaluate the properties and characteristics of the soil
7. *Course Learning Outcomes (CPMK)* *ex. The student will be able to explain the significance of current research about a particular topic.*
1. Explain agricultural sciences related to soil science.
2. Assessing soil properties and features
8. Learning and teaching methods
Cooperative Learning, Cese Method Learning, and Problem Based Learning
9. Language of instruction
English
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