Module Description/Course Syllabi

Study Program : Bachelor Program (S1)

Faculty of Agriculture

University of Andalas

1. Course number and name

PIT621 01 Agroklimatologi

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

3 credits (2 classes, 1 Practicum)

3. Instructors and course coordinator

Dr.Ir. Gusnidar, MP

Dr. Juniarti, SP. MP

Prof.Dr.Ir. Herviyanti, MS

Prof.Dr.Ir. Azwar Rasyidin, MSc

Zuldadan Naspendra, SP. MSi

Is. Lusi Maira, MAgrSc

4. Text book, title, outhor, and year

1. Training Guidebook for Western Indonesian State University Lecturers in the Field of Agroclimatology, 1987 Biotropics, IPB and BKS B
2. Joyce Martha W and Wenny Adidarma (1984) Know the Basic Basis of Hydrology. Penernbit Nova. Bandung
3. Katam for SLI Padang, March 22, 2016, 2016,BPTP West Sumatra,
4. SLI Material 2016 - BMKG Siring Staklim
5. BMKG Modules and Journals
6. Oteng Haridjaja, Kukuh Muktilaksono, Sudarmo, Train Mahir Rahman (1990) Agricultural Hydrology. Department of Soil, Faculty of Agriculture, IPB Bogor.
7. Richard Lee (1988) Forest Hydrology. Translation from Forest Hydrology by Ir Sentot Subagio and Prof.Dr.Prawirohatmodjo. Gadjah Mada University Press
8. Socyono, Soesrodarsono and Kensaku Takeda (1977) Hydrology for Irrigation. Assosiation fipr Technical Promotion. Tokyo, Japan
9. Sowarnso (1991) Hydrology (measurement and processing of Nova River flow data. Bandung. Publications in research journals related to the subject / subsubject

5. Specific course information
A. Brief description of the content of the course (catalog description)
Introduction which includes Understanding of Basic Agroclimatology, Factors affecting Climate, History of Basic Agroclimatology; Usefulness of Climate data; Climate Factors that affect Soil and plant growth such as Solar radiation, Rainfall, Wind, Evaporation and Transpiration, Air Humidity. In the Basic Agroclimatology course, the impact of climate deviations and anticipation carried out are also taught, Air Quality, Preparation of Planting Patterns based on Climate data, Calculation of Plant Water Needs
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 P1.1. Explain agricultural sciences related to soil science. P1.3. Apply basic sciences and soil science in solving land and environmental problems for agricultural development
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
3. Apply basic sciences and soil science in solving land and environmental problems for agricultural development
8. Learning and teaching methods
Cooperative Learning, Case Method Learning, and Problem 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