



Module Description/Course Syllabi

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

1. Course number and name

AGT621 01 Fundamental of Plant Physiology

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

3 credits (2 classes, 1 practicum)

3. Instructors and course coordinator

Prof. Dr. Ir. Irfan Suliansyah, MS.

Firsta Ninda Rosadi, SP. MSi

Ir. Sutoyo MS.

Prof. Dr. Ir. Warnita MP.

Aries Kusumawati SP. MSi

Fika Ekawati SP. MP.

Prof. Dr. Ir. Auzar Syarif MS.

Dr. Yusniwati SP. MP.

Shalati Febjislami, SP, MSi.

4. Text book, title, outhor, and year

5. Specific course information

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

Concepts of life and plant physiology, plant cells, solutions, diffusion, osmosis, imbibition, transpiration, absorption and translocation. Sugar translocation, function of essential mineral elements and symptoms of mineral deficiency, enzymes, pigments and structure of the photosynthetic apparatus, light and dark reactions of photosynthesis, factors that influence the rate of photosynthesis and respiration.

B. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)

First Cycle Bachelor

<i>C. Semester when the course unit is delivered</i>
Even Semester
<i>D. Mode of delivery (face-to-face, distance learning)</i>
Face to face
<i>6. Intended Learning Outcomes (CPL)</i>
ILO 1: Able to apply basic agricultural sciences broadly in overcoming agricultural problems for sustainable agricultural development (P)
PI 2 : Analyze agricultural problems using a soil science approach and agricultural sciences in general
<i>7. Course Learning Outcomes (CPMK) ex. The student will be able to explain the significance of current research about a particular topic.</i>
2. Analyze agricultural problems using a soil science approach and agricultural sciences in general
<i>8. Learning and teaching methods</i>
LCD, & Projector
<i>9. Language of instruction</i>
Indonesian
<i>10. Assessment methods and criteria</i>
Summative Assessment :
Assignment
UTS
UAS
Formative Assessment:
Thumb up and thumb down
Minutes paper

