Module designation	*Agroclimatology*
Semester(s) in which the module is taught	*2nd*
Person responsible for the module	*Dr. Tumiar Katarina Manik*
Language	*Indonesian language*
Relation to curriculum	*Compulsory*
Teaching methods	*Lectures (100 minutes)* *Practicum sessions (170 minutes)*
Workload (incl. contact hours, self-study hours)	*Contact hours : 14 weeks x 100 minutes* *Structured learning: 14 weeks x 120 minutes* *Independent study: 14 weeks x 120 minutes* *Practicum sessions: 14 weeks x 170 minutes*
Credit points	*3 (2-1) CP or 4.76 (ECTS)* *((14 weeks x 100 minutes) + (14 weeks x 120 minutes) +* *(14 weeks x 120 minutes) + (14 weeks x 170 minutes)) :* *60 minutes/hour* *= 119 hours : 25 study hours/ECTS* *= 4.76 (ECTS)*
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	- *Students are able to apply the basic concepts and principles of cultivation technology and the development of sustainable agriculture technology* - *Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively*
Content	*The agricultural climatology course is a 3 (2-1) credit course.This course contains studies on: Climate factors and process; Solar radiation, Air temperatures and humidity; Hydrological cycle; Climate classification; Tropical climate/Indonesia; Climate change; Basic principles of micro climate modification.*
Examination forms	*oral presentation, essay*

Study and examination requirements	*Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).* *Performance in theory (100%):* *Mid Exam (20%)* *Final Exam (20%)* *Assignments (40%)* *Class participation (10%)* *Individual quiz (10%)* *Performance in practicum (100%):* *Practicum exam (30%)* *Pre-test or post-test (10%)* *Experiment reports (60%)*
Reading list	1. *Contemporary Climatology. Ann Henderson-Sellers and Peter J Robinson.1994. Longman Scientific and Technical* 2. *Global Warming. L.D. Danny Harvey. 2000. Prentice Hall.* 3. *Proses Pembentukan Iklim. Tumiar Katarina Manik. 2004. Graha Ilmu* 4. *Dampak Peubahan Iklim. Tumiar Katarina Manik. Paul Benyamin Timotiwu, Novika Ayu Kusumastuty. 2022, Mobius* 5. *Griffiths, J.F., 1994. Handbook of Agricultural Meteorology Oxford: Oxford University Press.*