Module designation	Agricultural Biology
Semester(s) in which the module is taught	*1st*
Person responsible for the module	*Fitri Yelli, S.P., M.Si., Ph.D*
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*
Content	*The Agricultural Biology is a 3 (2-1) credit course. This course contains studies on: Basic theory and concept of life, cells as smallest unit of life, cells function, tissue and organ of plants and animals; Introductions to genetics and evolution; Ecology and organism diversity; Introductions to agriculture ecosystem (biotics and abiotics); Concept of plant pests and disease and also their control especially by implementing integrated pest management (IPM).*
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. *Campbell, N.A. &J.B. Reece. 2008. Biologi Jilid 1, 2 dan 3. Edisi Kedelapan. Penerbit Erlangga. Jakarta.* 2. *Horn, DJ 1988. Ecological Approach to Pest Management. The Guliford Press, New York. 285 645pp.* 3. *Glenn, B. 2008. The Oxford* Handbook *of Philosophy of* Biology. *Oxford: Oxford University Press.* 4. *Roberts, K (editor). 2008. Handbook of Plant Science.* 5. *C. Barry Osmond , George M. Hidy , Louis F. Pitelka. 1990. Plant Biology of the Basin and Range.*