Module designation	Weed Control Technology
Semester(s) in which the module is taught	4th
Person responsible for the module	Ir. Herry Susanto, M.P.
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 identify, formulate, solve problems, and apply plant science, plant protection, soil science, socio-economic agriculture, and plant production engineering principles that are oriented towards good agricultural practices (GAP) - Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively.
Content	Weed Control Technology course is a 3 (2-1) credit course.This course contains studies on: understanding of weeds, problems and benefits of weeds, history of weed science and weed control, weed biology, weed ecology, weed identification and vegetation analysis, weed control concepts, and weed utilization.
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. *Anderson, W.P. 1996. Weed Science Principles and Application. Third Edition. Waveland Press. Inc. Long Groves, Illinois. 388 pp* 2. *Sastroutomo, S.S. 1990. Ekologi Gulma. PT. Granedia Pustaka Utama, Jakarta.217 hlm.* 3. *Tjitrosoedirdjo, S., I. H. Utomo, dan J. Wiroatmodjo. 1984. Pengelolaan Gulma di Perkebunan. BIOTROP-Gramedia, Jakarta. 210 hlm.* 4. *Sembodo, D. R. J. 2010. Gulma dan Pengelolaannya. Graha Ilmu, Yogyakarta. 166 Hlm.* 5. *Barus, E. 2003. Pengendalian Gulma di Perkebunan. Kanisius, Yogyakarta. 103 hal.*