Module designation	*Agricultural Planning*
Semester(s) in which the module is taught	*5th*
Person responsible for the module	*Prof. Dr. Ir. Jamalam Lumbanraja, M.Sc*
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	*Agricultural Planning course is a 3 (2-1) credit course. This course contains studies on: Building concepts and understanding of sustainable agriculture, farming, history of agricultural systems, elements of sustainable agriculture, determinants of farming success, government policies on sustainable agricultural development, farm management, human resource management, farming economic analysis and risk management , and provision for planning crop farming (monoculture and mixed), livestock farming, mixed farming (mix farming), and development of agricultural areas*
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. *G. Ravindra Chary, M. V. Rao, Suman Chandra, V. Suresh Babu. 2015. Integrated Land Use Planning for Sustainable Agriculture and Rural Development e-book. Apple Academic Press* 2. *FAO. 1976. A Framework for Land Evaluation. Soil Resources Management and Conservation Service Land and Water Development Division.FAO Soil Bulletin No.32.* 3. *Blanco, H., & Lal, R. 2008. Principles of soil conservation and management (Vol. 167169). New York: Springer.* 4. *Sa'id, E dan Intan, H. 2001. Pembangunan Agribisnis. IPB. Bogor.* 5. *Simatupang, P. dan N Syaufaat. 2000. Industrialisasi Berbasis Pertanian sebagai Grand Strategy Pembangunan Ekonomi Nasional. Forum Penelitian Agro Ekonomi. Bogor.*