Module designation	*Seed Production and Technology*
Semester(s) in which the module is taught	*4th*
Person responsible for the module	*Dr. Ir. Paul B. Timotiwu, M.S.*
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	*Potential, prospects, problems, and development programs.* *origin,vdispersal, botany, growing conditions, cultivation, HPT, postharvest, and commercial system, includes a variety of cut flowers: family Orchidaceae, Compositae, Rosaceae, Caryophyliaceae, Aracease and ornamental plants: palms, plants* *shrubs, aquatic plants and ornamental flowers*
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. *Copeland, L.O. and M.B. McDonald. 1985. Principles of Seed Science and Technology. Macmillan Publ. Co. New York.* 2. *Dept. Pertanian. 1985. Seed Certification Guidelines. Dept. Pertanian RI. Jakarta.* 3. *Mugnisjah, W.Q. et al. 1994. Seed Production. Rajawali Press. Jakarta.* 4. *George, R.A.T. 2011. Agricultural Seed Production. CABI . United Kingdom.* 5. *McDonald, M. F., & Copeland, L. O. (2012). Seed production: principles and practices. Springer Science & Business Media.*