Module designation	*Site Engineering and Landscape Management*
Semester(s) in which the module is taught	*7th*
Person responsible for the module	*Ir. Setyo Widagdo, M.Si*
Language	*Indonesian language*
Relation to curriculum	*elective*
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	1. *Students are able to apply the basic concepts and principles of cultivation technology and the development of sustainable agriculture technology* 2. *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)* 3. *Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively*
Content	*Environmental context in the built environment: paradigmatically, theoretically and technically; the basics of simple garden building construction, working drawings and technical symbols, as well as topographical maps and working drawings. Insight into environmental conservation and linkages to engineering. Basic concept of management and site management*
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. *Arifin, N.H.S. dan H.S. Arifin. 1994. Pemeliharaan Taman. Penebar Swadaya. Jakarta. 124 halaman.* 2. *Carpenter., T.G. 2011. Construction in the Landscape: A Handbook for Civil Engineering to Conserve Global Land Resources. Routledge. 360p.* 3. *Harjowigeno dkk, 1994. Kesesuaian Lahan untuk rekreasi, dan Teknik sipil, LPREPP II, Badan Lirbang Pertanian.* 4. *Knoop, W.E. 1997. The landscape management handbook. Advanstar Communications. 168p.* 5. *Strom, S., K. Nathan, and. J. Woland. 2013. Site Engineering for Landscape Architects (6th Edition). Wiley Publication. 368p.* 6. *Wang, T.C. 1999. Gambar Denah dan Potongan. Penerbit Erlangga. Jakarta. 131 hal.*