Module designation	*Computer Aplication*
Semester(s) in which the module is taught	*5th*
Person responsible for the module	*Ir. Setyo Widagdo, M.Si*
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 analysis and interpretation data and apply logical, critical, and systematic thinking by avoiding plagiarism;* - *Students are able to assess and develop knowledge of science and technology by paying attention to the humanities and scientific ethics, able to work in a collective collegial team, and be a motivator in society;*
Content	*Interface computer devices with other devices (data logger, GPS, AWS), Compile and organize data; Processing data with Excel (various if functions, mathematics and statistics); Process with Access (compile and manage databases, queries); Process research data using SPSS; Presentation of numeric data to spatial (Map Info); The use of computer applications for various purposes of agricultural cultivation, graphics, and informative image design*
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. *Edafe, M. 2020. Computer Applications: The Beginner's Guide. Independently published. 129p.* 2. *Firdaus, GM., MK Sophan, dan IA. Siradjuddin. 2021. Buku Aplikasi Pemetaan Menggunakan QGis dan Python. Deepublish Yogyakarta. 76p.* 3. *Jones, C. 1986. Computer Handbook: Businessman's Guide to Choosing and Using Computer Systems. 372p* 4. *Priyatno, D. 2016. Spss Handbook Analisis Data, Olah Data, dan Penyelesaian Kasus-kasus Statistik. Mediakom. 148p.* 5. *Sethy, S. 2022. Data Analysis and Computer Application. Bluerose Publishers Pvt. Ltd. 234p*