Module designation	*Agricultural Mathematics*
Semester(s) in which the module is taught	*1st*
Person responsible for the module	*Ir. Ardian, M.Agr.*
Language	*Indonesian language*
Relation to curriculum	*Compulsory*
Teaching methods	*Lectures (100 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*
Credit points	*2 (2-0) CREDIT or 3.17 CP (ECTS)* *((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes)) : 60 minutes/hour* *= 79.33 hours : 25 study hours/ECTS* *= 3.17 CP*
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	*This course is given to first semester students, Faculty of Agriculture, University of Lampung, as a basic course and is a compulsory subject. The Mathematics course studies sets, real number systems, statement algebra, inequalities, absolute values, square roots, straight lines and graphs of equations, functions and limits, differentials, differential formulas for applied algebraic functions, differential applications for applied algebraic functions, and matrices.*
Examination forms	*oral presentation, essay*
Study and examination requirements	*Participants are evaluated based on their performance in class (lectures) (100%)* *Performance in theory (100%):* *Mid Exam (35%)* *Final Exam (35%)* *Assignments (20%)* *Individual quiz (10%)*

Reading list	1. *Purcel E.J., D. Varberg, dan S. E. Rigdon. 2003. Kalkulus Jilid 1. Terjemahan I Nyoman Susila. Editor: Hilarius Wibi Hardani dan Santika. Penerbit Erlangga, Jakarta, Indonesia.* 2. *Nasoetion, Andi Hakim. 1980. Aljabar Matriks. Penerbit Bharata Karya Aksara, Jakarta* 3. *Soemantri, R. tanpa tahun. Aljabar Bentuk Pernyataan. Modul 1. 35 Halaman.* 4. *Stephen Siklos. 2016. Advanced Problems in Mathematics Preparing for University. Open Book Publishers* 5. *Betty C. Rogers, Clifford M. Hokanson. 2000. Mathematics for Agriculture. Interstate Publishers*