MODULE HANDBOOK

Module Name	Basic Mathematics
Module Level	Bachelor
Abbreviation, if applicable	8420403181
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	1st/First year
Modul coordinator(s)	Yuliani Puji Astuti, M.Si
Lecturer(s)	Team
Language	Bahasa Indonesia
Classification within the curriculum	Compulsory
Teaching format/class hours per week during the semester	3 hours lectures (50 min / hour)
Workload	1 CU for bachelor degree equals to 3 workhours per week or 170 minutes (50' face to face learning, 60' structured learning, and 60' independent learning). In one semester, courses are conducted in 14 weeks (excluding mid and end-term exam). Thus, 1 CU equals to 39.67 workhours per semester. One CU equals to 1.59 ECTS.
Credit point	3 CU = 3 x 1.59 = 4.77 ECTS
Prerequisite course(s)	-
Targeted learning outcomes:	Knowledge: 1. Understand real functions, limit functions, their derivatives and applications, integrals and their applications, matrices and solutions for systems of linear equations. Attitude and Social: 2. Demonstrate good scientific manners and critical thinking
Content:	Assessment of functions, limit functions, continuity of functions, derivatives of functions and their applications, integrals and their applications, as well as matrices for solving systems of linear equations.
Study / exam achievements:	Students are considered to be competent and pass if at least get 55. Final score is calculated as follows: 20% participation + 30% assignment + 20% middle exam (UTS) & 30% final exam (UAS) Table index of graduation: • A = 4 (85 ≤-≥ 100) • A- = 3,75 (80 ≤-< 85)

	• B+ = 3,5 (75 $\leq$- < 80) • B = 3 (70 $\leq$-< 75) • B- = 2,75 (65 $\leq$-<75) • C+ = 2,5 (60 $\leq$-<65) • C = 2 (55 $\leq$-<60) • D = 1 (40 $\leq$-<55) • E = 0 (0 $\leq$-<40)
Media:	Handbook and PPT
Learning Methods	Individuals assignment, group assignment, discussion, and presentation
Literature:	1. Purcel, EJ and D. Verberg. 1996. Kalkulus dan Geometri Analitik I. Indonesian translation. 2. Susila B. Kartasasmita dan Rawuh. Jakarta: Erlangga, 3. Finney, R.L., Weir, M.D., Giordano F.R., 2001.Thomas' Calculus 10thEdition. USA: Addison-Wesley Publishing Company