Module Descriptions

Module designation	Basic Mathematics *Matematika Dasar*
Course Code	8420502278
Semester/Term	1st Semester
Person responsible for the module	Prof. Dr. R. Sulaiman, M.Si.
Language	Bahasa Indonesia (Indonesian language)
Relation to curriculum	Compulsory course
Teaching methods	Lecture
Workload	3 x 50 minutes lectures, 3 x 60 minutes structured activity, 3 x 60 minutes individual activity, 14 weeks per semester. 119 total hours per semester ~ 4.77 ECTS **
Credit Point	2 CU(3.18 ECTS)
Required and recommended prerequisites for joining the module	-
Module Objectives/intended learning outcomes	1. Understand real functions, limit functions, their derivatives and applications, integrals and their applications, matrices and solutions for systems of linear equations. *(Knowledge)* 2. Demonstrate good scientific manners and critical thinking *(Attitude and Social)*
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.Lecture activities are carried out in a student center with discussions
Study and examination requirements and forms of examination	Students are eligible for the final semester test if they have at least 75% attendance in class. The final grade (NA) is calculated based on the following ratio:

Assessment Components	Percentage of contribution
Participation	20%
Assignment	30%

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Mid-semester test	20%
Final semester test	30%

Grade Conversion of 0-100 scale into 0-4 scale is set as below:

Letter	Number	Grade interval
A	4.00	85 ≤ A ≤ 100
A-	3.75	80 ≤ A- <85
B+	3.50	75 ≤ B+ < 80
B	3.00	70 ≤ B < 75
B-	2.75	65 ≤ B- < 70
C+	2.50	60 ≤ C+ < 65
C	2.00	55 ≤ C < 60
D	1.00	40 ≤ D < 55
E	0.00	0 ≤ E < 40

Reading List	1. Purcel, EJ and D. Verberg. 1996. Kalkulus dan Geometri Analitik I. Indonesian translation. Susila B. Kartasasmita dan Rawuh. Erlangga, Jakarta. 2. Finney, R.L., Weir, M.D., Giordano F.R., 2001. Thomas' Calculus 10th Edition. USA : Addison-Wesley Publishing Company