MINISTRY OF EDUCATION, CULTURE, RESEARCH,
AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY
Ketintang Campus, Jalan Ketintang, Surabaya 60231
Telephone : +6231- 8298761, email: kimia@unesa.ac.id, Laman : http://kimia.fmipa.unesa.ac.id

MODULE HANDBOOK

Module Name	Basic Mathematics
Module Level	Bachelor
Course Code:	8420403181
Abbreviation, 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	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 unit:	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:	The final grade (*NA*) is calculated based on the following ratio: <table><tr><td>Assessment Components</td><td>Percentage of contribution</td></tr><tr><td>Participation</td><td>20%</td></tr><tr><td>Assignment</td><td>30%</td></tr><tr><td>Mid-semester test</td><td>20%</td></tr><tr><td>Final semester test</td><td>30%</td></tr></table>

MINISTRY OF EDUCATION, CULTURE, RESEARCH,
AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY
Ketintang Campus, Jalan Ketintang, Surabaya 60231
Telephone : +6231- 8298761, email: kimia@unesa.ac.id, Laman : http://kimia.fmipa.unesa.ac.id

	Grade conversion of 0-100 scale into 0-4 scale is set as below:		
	Letter	Number	Grade Interval
	A	4,00	$85 \leq A \leq 100$
	A-	3,75	$80 \leq A- < 85$
	B+	3,50	$75 \leq B+ < 80$
	B	3,00	$70 \leq B < 75$
	B-	2,75	$65 \leq B- < 70$
	C+	2,50	$60 \leq C+ < 65$
	C	2,00	$55 \leq C < 60$
	D	1,00	$40 \leq D < 55$
	E	0,00	$0 \leq E < 40$
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		
Notes:	*1 credit unit or *sks* in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.		
	**1 credit unit or *sks* = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019		