



UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences Department of Geography

Jalan Prof Dr. Hamka Kampus UNP Air Tawar Padang 25171

Telp. (0751) 7055 671 Fax (0751) 7055 671

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DESCRIPTIONS	
▪ Module Name	BASIC MATHEMATICS
▪ Module Level	Bachelor
▪ Code	GEO1.62.1004
▪ Subheading	--
▪ Classes	2017
▪ Semester	1 th
▪ Module Coordinator	Deded Chandra, S. Si, M. Si
▪ Lecturer	Team: Widya Prarikeslan, S.Si, M.Si
▪ Language	Bahasa Indonesia
▪ Classification within the curriculum	Compulsory course
▪ Teaching format/class hours per week during the semester	100 minutes lectures, 120 minutes structured activities and 120 minutes self-study per week.
▪ Workload	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes self-study per week for 16 weeks
▪ Credit points /ECTS	2 SKS (3,02 ECTS)
▪ Prerequisite's course(s)	-
▪ Course outcome	After taking this course the students have the ability to: 1. Students are able to discuss and understand the 2. concept of sets, quadratic equations, logarithms, trigonometry, differentials, integrals, matrices and odds.
▪ Content	Basic Mathematics courses discuss sets, quadratic equations, logarithms, trigonometry, differentials, integrals, matrices and odds.



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Study / exam achievements	N o	CO	Assessments Object	Assessment Technique	Weight
			1. Individual Assignment	Written Test	10%
			2. Group Assignment		10%
			3. Quiz		5%
			4. Mid-Term Examination		30%
			5. Final Examination		40%
	2		Activities	observation	5 %
Forms of media	Power Point, Video, Gambar, Board, LCD Projector, Laptop/Computer				
Literature	Reference: - Ball, WW Rouse, and Harold Scott Macdonald Coxeter. Mathematical recreations & essays. University of Toronto Press, 2016. - Prodjomilono, wihatmo, Drs. 1989. <i>Matematika Geografi</i>. Direktorat Jenderal Pendidikan Tinggi, Jakarta. - Bird, John. 2002. Matematika Dasar Teori dan Aplikasi Praktis. Edisi ketiga. Erlangga, Jakarta. - Mursita, Danang. 2006. Matematika Dasar untuk Perguruan Tinggi. Edisi Revisi. Rekayasa Sains, Bandung. - Anton, H. 1991. Aljabar Linier Elementer. Jakarta: Erlangga. - Martono K. 1999. Kalkulus. Jakarta: Erlangga. - Purcell, Edwin J, dkk. Alih bahasa oleh Susila, I Nyaman, dkk. 1994. Kalkulus dan Geometri Analisis Jilid 1 dan 2. Jakarta: Erlangga.				



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DESCRIPTIONS

8. Spiefel, R. Murray, Alih Bahasa Iskandar, Kasir. 1989. Matematika Dasar. Jakarta: Erlangga.
9. Soemoenar. 2004. Kalkulus 3. Jakarta: Universitas Trisakti.
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12. Boas, M.L. 1983. Mathematical Methods in the Physical Sciences. 2nd Edition. New York: John Wiley & Sons.
13. Kariadinata, Rahayu. 2013. Trigonometri Dasar. Bandung: Pustaka Setia.
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17. Razali, Muhammad, dkk. 2010. Kalkulus Diferensial. Bogor: Ghalia Indonesia.
18. Putranti Sri Rejeki. 1999. Integral 1000 Soal dan Penyelesaian. Jakarta: Rineka Cipta.

PLO AND CO MAPPING

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CO1					V				
CO2									
CO3									



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