220221493 Mathematics II

Module Name	Mathematics II
Module Level, if applicable	Beginner
Code if Applicable	220221493
Subtitle, if applicable	-
Courses, if applicable	220221493 Mathematics II
Semester(s) in which the module is taught	2nd
Person responsible for the module	Devi Dwi Siskawardani, S.TP., M.Sc.
Lecturer	Dr. Ir. Warkoyo, MP.
	Devi Dwi Siskawardani, S.TP., M.Sc.
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Food Technology Department
Type of teaching	Lecture, project
Workload	 Lecture: 2 sks X 50 minutes X 16 weeks Project: 2 sks X 60 minutes X 16 weeks Independent learning: 2 sks X 60 minutes X 16 week
Credit points	2 SKS X 1.5 = 3 ECTS
Requirements according to the examination	1. Registered in this course
regulations	2. Minimum 80% attendance in this course
Recommended prerequisites	Mathematic 1
Module Objectives (Intended learning outcomes)	Cognitive: Able to know and apply the principles of food science (food chemistry and analysis, microbiology, food safety, food engineering and processing, food biochemistry, nutrition and health, and applied food science) in an integrated manner on an industrial scale to produce safe and quality food. Psychomotor: Able to communicate orally and in writing related to technical and nontechnical aspects. Affective: Able to think critically and analytically, solve problems, be responsible for his work independently, and make appropriate decisions based on reliable information

engineer real proble formute So that the emphasise food properties formulate Study and examination cognitive requirements and forms of examination Affective (variable Contribution initiative (c) Effort Media employed Classical	concepts in modeling, and ring. Integral application in solving blems in food technology that can alated into mathematical functions. The material applied and rized is case study analysis in the educt processing industry which is ted in a mathematical model. We: Midterm exam, Final exam, Assignments Be: Assessed from the element reseachievement, namely (a) ritions (attendance, active, role, e, and language), (b) Being on time, t. I teaching tools with white board rer point presentation
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Recommended Literature For Clas	
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1. Besa Univ Band 2. Wiry II. IT 3. Krey Math Sons 4. Loga Diffe New 5. Mc.(W. 2 Math Publ B. Op 1. Puro 9th E 2. Loga to N Equ	ari I. 1982.Matematika versitas. Penerbit Armico dung. Bandung yanto LH. 2013. Matematika Teknik TB Press. Bandung vzig E. 2011. Advanced Engineering hematics 10 th Edition. John Wiley & s. Singapore an JD.2015. A First Course in ential Equations. Springer-Verlag. v York. Gregor C., Nimmo J., and Stothers 2010. Fundamentals of University hematics 3 rd Edition. Woodhead lishing. UK
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