



UNIVERSITAS NEGERI PADANG

FACULTY OF MATHEMATICS AND NATURAL SCIENCES MATHEMATICS
DEPARTMENT, MATHEMATICS STUDY PROGRAM Main Campus Universitas
Negeri Padang.

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Bachelor of Science in Mathematics

MODULE HANDBOOK

Module name:	Linear Models
Module level, if applicable:	Bachelor
Code:	MAT2.62.7006
Subheading, if applicable:	-
Classes, if applicable:	Linear Models
Semester:	7 th (seventh)
Module coordinator:	Head of Statistics Expertise Group
Lecturer(s):	Dr. Dodi Vionanda, M.Si. and Dra. Helma, M.Si.
Language:	Indonesian Language and English
Classification within the curriculum:	Compulsory course in the fourth year (7 th semester) Bachelor Degree
Teaching format / class hours per week during the semester:	<ol style="list-style-type: none">Lectures : Cooperative learning with methods such as expository, drill, and discussion (3 x 50 minutes = 150 minutes)Structured assignment : Weekly individual written assignment. (3 x 60 minutes = 180 minutes)Individual study (3 x 60 minutes = 180 minutes)
Workload:	The total workload is 136 hours per semester, which consists of 150 minute lectures, 180 minute structured activities, and 180 minutes of self-study. In total, there are 16 weeks per semester, including midterm and final exams.
Credit points:	3 sks = 4.53 ECTS
Prerequisites course(s):	Elementary Linear Algebra Mathematical Statistics Regression Analysis
Course outcomes:	After taking this course, the students have ability to: CO1. Examines the model in the form of a matrix. CO2. Examine the use of matrix in the analysis of linear model (model of regression, model of experimental design, and general model) CO3. Determine the value of the parameter expectation model of maximum degree.

