



UNIVERSITAS NEGERI PADANG
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES MATHEMATICS
 DEPARTMENT, MATHEMATICS STUDY PROGRAM
 Main Campus Universitas Negeri Padang.
 Jalan Prof. Dr. Hamka Air Tawar Padang, Sumatera Barat
 Telepon: +62 751 7053902, Fax: +62 751 7055628
 Email: humas@unp.ac.id

Bachelor of Mathematics

MODULE HANDBOOK

| | |
|--|---|
| Module name: | Mathematical Statistics |
| Module level,if applicable: | Bachelor |
| Code: | MAT1.62.5003 |
| Sub-heading,if applicable: | - |
| Classes,if applicable: | Mathematical Statistics |
| Semester: | 5 th (fifth) |
| Module coordinator: | Head of Statistics Expertise Group |
| Lecturer(s): | Dr. Suherman, M.Pd., Dra. Helma, M.Si, and Dra. Dewi Murni, M.Si. |
| Language: | Indonesian Language and English |
| Classification within the curriculum: | Compulsory course in the third year (5 th semester) Bachelor Degree |
| Teaching format / class hoursperweekduring the semester: | <ul style="list-style-type: none"> a. Lectures : Cooperative learning with methods such as expository, drill, and discussion. (4 x 50 minutes = 200 minutes) b. Structured assignment : Weekly individual written assignment. (4 x 60 minutes = 240 minutes). c. Individual study. (4 x 60 minutes = 240 minutes). |
| Workload: | Total workload is 181,33 hours per semester, which consists of 200 minutes lectures, 240 minutes structured activities, and 180 minutes of self-study per semester, including mid exam and final exam. |
| Creditpoints: | 4 SKS = 6.04 ECTS |
| Prerequisites course(s): | Probability theory and advanced calculus |
| Course outcomes: | After taking this course the students have ability to: CO1. Predict the type of distribution from the data provided CO2. Analyze unbiased, efficiency, consistency, and sufficiency of an estimator using moments, maximum likelihood, and bayesian estimation methods CO3. Interpret the results of hypothesis testing |

