UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF MATHEMATICS EDUCATION
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Bachelor of Science in Mathematics
MODULE HANDBOOK

| Module name: | Linear Algebra |
| :---: | :---: |
| Module level, ifapplicable: | Undergraduate |
| Code: | MAT6308 |
| Sub-heading,ifapplicable: | - |
| Classes,ifapplicable: | - |
| Semester: | $2^{\text {nd }}$ |
| Module coordinator: | Emut, M.Si. |
| Lecturer(s): | 1. Dr. Karyati <br> 2. Emut, M.Si. <br> 3. Musthofa, M.Sc. |
| Language: | Bahasa Indonesia |
| Classification within the curriculum: | Compulsory Course |
| Teaching format / class hours perweek during the semester: | 150 minutes lectures and 180 minutes structured activities per week. |
| Workload: | Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks. |
| Creditpoints: | 3 |
| Prerequisites course(s): | Number Theory (MAT6205) |
| Course outcomes: | After taking this course the students have ability to: <br> CO1. Demonstrate obedient attitudes, religious norms and academic ethics that foster a noble personality <br> CO2. Propose creative, innovative, superior, measurable and |

$\left.\begin{array}{|l|l|l|l|}\hline & \begin{array}{l}\text { polite ideas in linear algebra verbally or in writing } \\ \text { CO3. Mastering linear algebra and its application for further } \\ \text { study }\end{array} \\ \text { CO4. Exploring, generalizing and proving lemma, theorems in } \\ \text { linear algebra using logical reasoning } \\ \text { CO5. Formulate mathematical models in linear algebra, } \\ \text { complete and interpret accurately }\end{array}\right\}$


## PLO and CO mapping

|  | PLO1 | PLO2 | PLO3 | PLO4 | PLO5 | PLO6 | PLO7 | PLO8 | PLO9 | PLO10 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CO1 | $\checkmark$ |  |  |  |  |  |  |  |  |  |
| CO2 |  |  |  | $\checkmark$ |  |  |  |  |  |  |
| CO3 |  |  |  |  | $\checkmark$ |  |  |  |  |  |
| CO4 |  |  |  |  |  | $\checkmark$ |  |  |  |  |
| CO5 |  |  |  |  |  |  | $\checkmark$ |  |  |  |

