



**UNIVERSITAS NEGERI YOGYAKARTA**  
FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
DEPARTMENT OF MATHEMATICS EDUCATION

Jalan Colombo Nomor 1 Yogyakarta 55281  
Telepon(0274)565411 Pesawat 217, (0274)565411(TU),fax (0274)548203  
Laman :fmipa.uny.ac.id, E-mail :humas\_fmipa@uny.ac.id

**Bachelor of Science in Mathematics**

**MODULE HANDBOOK**

|  |   |
|--|---|
| Module name:   | Mathematics Seminar   |
| Module level,if applicable:                                | Undergraduate   |
| Code:  | MAT6237   |
| Sub-heading,if applicable:                                 | -   |
| Classes,if applicable:                                     |   |
| Semester:  | 7 <sup>th</sup>   |
| Module coordinator:  | Dr. Agus Maman Abadi  |
| Lecturer(s):   | 1. Dr. Agus Maman Abadi,<br>2. Dr. Dhoriva U.W.   |
| Language:  | Bahasa Indonesia  |
| Classification within the curriculum:                      | Compulsory subject.   |
| Teaching format / class hours perweek during the semester: | 100 minutes lectures and 120 minutes structured activities 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.  |
| Creditpoints:  | 2   |
| Prerequisites course(s):                                   | Student has taken at least 70 sks   |
| Courseoutcomes:  | After taking this course the students have ability to:<br>CO1. Demonstrate collaborative attitude and independence in carrying out individual tasks and group assignments<br>CO2. Communicate ideas in solving mathematical problems in both writtenand verbally. |

|                          | <p>CO3. Finding topics in mathematical research.</p> <p>CO4. Writing research proposals in Mathematics, consists of the background, theoretical foundations, and methods.</p> <p>CO5. Analyze data and information for writing research proposals in Mathematics.</p> <p>CO6. Using mathematical software to solve related problems.</p>   |                          |                      |                   |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
|--------------------------|--|--------------------------|----------------------|-------------------|----------------------|--------|---|------------------------------|--------------------------|---------|-----|-----------------|-------------|-----|---------------------|---------|-----|-------|--|--|--|------|
| Content:                 | This course contains mathematical research topics, composing mathematical research proposals involving introduction, literature review, and the method.  |                          |                      |                   |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
| Study/exam achievements: | <p>Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude. The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.</p> <p>The final mark will be weight as follow:</p> <table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1</td> <td rowspan="3">CO1, CO2, CO3, CO4, CO5, CO6</td> <td>a. Individual Assignment</td> <td>Written</td> <td>20%</td> </tr> <tr> <td>b. Presentation</td> <td>Observation</td> <td>30%</td> </tr> <tr> <td>c. Project proposal</td> <td>Written</td> <td>50%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table> | No                       | CO                   | Assessment Object | Assessment Technique | Weight | 1 | CO1, CO2, CO3, CO4, CO5, CO6 | a. Individual Assignment | Written | 20% | b. Presentation | Observation | 30% | c. Project proposal | Written | 50% | Total |  |  |  | 100% |
| No                       | CO   | Assessment Object        | Assessment Technique | Weight            |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
| 1                        | CO1, CO2, CO3, CO4, CO5, CO6   | a. Individual Assignment | Written              | 20%               |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
|                          |  | b. Presentation          | Observation          | 30%               |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
|                          |  | c. Project proposal      | Written              | 50%               |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
| Total                    |  |                          |                      | 100%              |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
| Forms of media:          | Board, LCD Projector, Laptop/Computer  |                          |                      |                   |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |
| Literature:              | <ol style="list-style-type: none"> <li>1. Woothon, A., Peterson, V., and Lee, C., 2017, A Primer of Undergraduate Research: Foundation for Undergraduate Research in Mathematics, Springer International Publishing.</li> <li>2. Gastel, B., and Day, R.A., 2016, How to write and Publish a Scientific paper, California: Greenwood.</li> </ol>   |                          |                      |                   |                      |        |   |                              |                          |         |     |                 |             |     |                     |         |     |       |  |  |  |      |

