



MINISTRY OF HIGHER EDUCATION, SCIENCE, AND  
TECHNOLOGY

UNIVERSITAS NEGERI SURABAYA

FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
UNDERGRADUATE PROGRAM OF MATHEMATICS EDUCATION

Ketintang Campus, Jalan Ketintang, C8 C9 Building, Surabaya 60231

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Undergraduate Program of Mathematics

Module Handbook

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Name:</b>                                             | Pengembangan Perencanaan Pembelajaran<br>Lesson Plan Development                                                                                                                                                                                                                                                                                                                                                         |
| <b>Module Level:</b>                                            | Sarjana (S-1) / Undergraduate                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Abbreviation, if applicable:</b>                             | 1000003052                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sub-heading, if applicable:</b>                              | -                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Course included in the module, if applicable:</b>            | -                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Semester/term:</b>                                           | 6 / Third year                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Module Coordinator(s):</b>                                   | Dr. Endah Budi Rahaju, M.Pd.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Lecturer(s):</b>                                             | Dr. Nia Wahyu Damayanti, M.Pd.<br>Dr. Mukhtamilatus Sa'diyah, M.Pd.<br>Dr. Siti Khabibah, M.Pd.<br>Dr. Nonik Indrawatiningsih, M.Pd<br>Dr. Sugi Hartono, M.Pd.                                                                                                                                                                                                                                                           |
| <b>Language:</b>                                                | Indonesia                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Classification within the curriculum:</b>                    | Compulsory course/ <del>elective studies</del>                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Teaching format/class hours per week during the semester</b> | Teaching format: lectures using problem-based and project-based learning, discussions, project assignments, workshops, and reflection. Class hours per week: $3 \times 170$ minutes = 510 minutes (8.5 hours), of which $3 \times 50$ minutes are lectures.                                                                                                                                                              |
| <b>Workload:</b>                                                | 16 weeks per semester consisting of: <ul style="list-style-type: none"><li>• 3 hours lectures (<math>3 \times 50</math> minutes) per week,</li><li>• 3 hours structured assignments (<math>3 \times 60</math> minutes) per week,</li><li>• 3 hours independent study (<math>3 \times 60</math> minutes) per week.</li></ul><br>Total workload: $16 \times 3 \times 170$ minutes = 8,160 minutes = 136 hours = 4.77 ECTS* |
| <b>Credit Point:</b>                                            | 3 CU (4.77 ECTS)                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Requirements:</b>                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                      |



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| <b>Learning Goals :</b> | <p><b>Programme Learning Outcomes (PLO) addressed:</b></p> <p><b>PLO-6 :</b> Design, implement and evaluate mathematics learning using IT.</p> <p><b>PLO-7 :</b> Communicate ideas and research results effectively, orally, and in writing.</p> <p><b>PLO-10 :</b> Demonstrate pedagogical knowledge in designing, implementing and evaluating mathematics learning.</p> <p><b>Course Learning Outcomes (CLO): after completing this module, students are able to:</b></p> <p><b>CLO-1 :</b> Analyze curriculum documents, learning standards, and learners' characteristics as the basis for developing mathematics lesson plans. (PLO-10)</p> <p><b>CLO-2 :</b> Formulate measurable learning objectives and organize mathematical content and learning sequences aligned with curriculum requirements. (PLO-10)</p> <p><b>CLO-3 :</b> Design appropriate mathematics learning activities, instructional strategies, and assessment instruments based on learning objectives and learners' needs. (PLO-10)</p> <p><b>CLO-4 :</b> Integrate digital technology and innovative instructional media into mathematics lesson plans to support effective and inclusive learning. (PLO-6, PLO-10)</p> <p><b>CLO-5 :</b> Develop, present, evaluate, and revise comprehensive mathematics lesson plans based on pedagogical principles, peer feedback, and assessment evidence. (PLO-6, PLO-7, PLO-10)</p> |
| <b>Content:</b>         | <p>The course focuses on developing comprehensive and effective mathematics lesson plans aligned with curriculum requirements and learners' characteristics. The content includes curriculum analysis, formulation of learning objectives, organization of mathematical content, selection of appropriate instructional models and strategies, development of student-centered learning activities, integration of digital technology and instructional media, and design of formative and summative assessments. Students also explore differentiated and inclusive instruction, the application of problem-based and project-based learning, and the alignment of learning objectives, instructional activities, and</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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|                                | assessments. Through project-based assignments, collaborative discussions, peer reviews, and reflective activities, students develop, evaluate, and refine mathematics lesson plans that promote meaningful, engaging, and effective learning experiences.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------|-----------------------------------|------------|---|-------|-------|-----|---|-------|-------|-----|---|-------|-------|-----|---|-------|-------|------|---|-------|-------|-----|---|-------|-------|-----|---|-------|-------|------|---|-------|-------|-----|---|-------|-------|-----|----|-------|-------|------|----|-------|-------|-----|----|-------|-------|-----|----|-------|-------|------|----|--------|-------|-----|----|-------|-------|------|----|-------|-------|-----|-------|-----------------|-------------|---|------|----------------------|----|------|------------------|----|------|------------------|---|------|------------------|
| <b>Study/exam achievements</b> | <ul style="list-style-type: none"><li>Students are considered competent and pass if the final score, calculated from weekly assignments and project outputs (weeks 1 to 12: 60%), simulation-based practice (weeks 13 to 15: 30%), and the final assessment (week 16: 10%), is at least 55 or C.</li><li>Final score is calculated as follows:<table><tr><th>Week</th><th>Course Learning Outcomes (CLO)</th><th>Programme Learning Outcomes (PLO)</th><th>Evaluation</th></tr><tr><td>1</td><td>CLO-1</td><td>PLO-6</td><td>5 %</td></tr><tr><td>2</td><td>CLO-2</td><td>PLO-5</td><td>5 %</td></tr><tr><td>3</td><td>CLO-2</td><td>PLO-5</td><td>3 %</td></tr><tr><td>4</td><td>CLO-3</td><td>PLO-5</td><td>10 %</td></tr><tr><td>5</td><td>CLO-4</td><td>PLO-5</td><td>5 %</td></tr><tr><td>6</td><td>CLO-4</td><td>PLO-5</td><td>5 %</td></tr><tr><td>7</td><td>CLO-5</td><td>PLO-6</td><td>10 %</td></tr><tr><td>8</td><td>CLO-6</td><td>PLO-6</td><td>5 %</td></tr><tr><td>9</td><td>CLO-6</td><td>PLO-6</td><td>5 %</td></tr><tr><td>10</td><td>CLO-6</td><td>PLO-6</td><td>10 %</td></tr><tr><td>11</td><td>CLO-7</td><td>PLO-6</td><td>5 %</td></tr><tr><td>12</td><td>CLO-7</td><td>PLO-6</td><td>5 %</td></tr><tr><td>13</td><td>CLO-7</td><td>PLO-6</td><td>10 %</td></tr><tr><td>14</td><td>CLO-10</td><td>PLO-5</td><td>5 %</td></tr><tr><td>15</td><td>CLO-8</td><td>PLO-5</td><td>10 %</td></tr><tr><td>16</td><td>CLO-9</td><td>PLO-5</td><td>2 %</td></tr></table></li><li>Final index is defined as follow:<table><tr><th>Index</th><th>Converted Score</th><th>Score Range</th></tr><tr><td>A</td><td>4.00</td><td><math>85 \leq A \leq 100</math></td></tr><tr><td>A-</td><td>3.75</td><td><math>80 \leq A &lt; 85</math></td></tr><tr><td>B+</td><td>3.50</td><td><math>75 \leq B &lt; 80</math></td></tr><tr><td>B</td><td>3.00</td><td><math>70 \leq B &lt; 75</math></td></tr></table></li></ul> | Week                              | Course Learning Outcomes (CLO) | Programme Learning Outcomes (PLO) | Evaluation | 1 | CLO-1 | PLO-6 | 5 % | 2 | CLO-2 | PLO-5 | 5 % | 3 | CLO-2 | PLO-5 | 3 % | 4 | CLO-3 | PLO-5 | 10 % | 5 | CLO-4 | PLO-5 | 5 % | 6 | CLO-4 | PLO-5 | 5 % | 7 | CLO-5 | PLO-6 | 10 % | 8 | CLO-6 | PLO-6 | 5 % | 9 | CLO-6 | PLO-6 | 5 % | 10 | CLO-6 | PLO-6 | 10 % | 11 | CLO-7 | PLO-6 | 5 % | 12 | CLO-7 | PLO-6 | 5 % | 13 | CLO-7 | PLO-6 | 10 % | 14 | CLO-10 | PLO-5 | 5 % | 15 | CLO-8 | PLO-5 | 10 % | 16 | CLO-9 | PLO-5 | 2 % | Index | Converted Score | Score Range | A | 4.00 | $85 \leq A \leq 100$ | A- | 3.75 | $80 \leq A < 85$ | B+ | 3.50 | $75 \leq B < 80$ | B | 3.00 | $70 \leq B < 75$ |
| Week                           | Course Learning Outcomes (CLO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Programme Learning Outcomes (PLO) | Evaluation                     |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 1                              | CLO-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 2                              | CLO-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 3                              | CLO-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 3 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 4                              | CLO-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 10 %                           |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 5                              | CLO-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 6                              | CLO-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 7                              | CLO-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 10 %                           |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 8                              | CLO-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 9                              | CLO-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 10                             | CLO-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 10 %                           |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 11                             | CLO-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 12                             | CLO-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 13                             | CLO-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-6                             | 10 %                           |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 14                             | CLO-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PLO-5                             | 5 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 15                             | CLO-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 10 %                           |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| 16                             | CLO-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PLO-5                             | 2 %                            |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| Index                          | Converted Score                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Score Range                       |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| A                              | 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $85 \leq A \leq 100$              |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| A-                             | 3.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $80 \leq A < 85$                  |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| B+                             | 3.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $75 \leq B < 80$                  |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |
| B                              | 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $70 \leq B < 75$                  |                                |                                   |            |   |       |       |     |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |   |       |       |      |   |       |       |     |   |       |       |     |    |       |       |      |    |       |       |     |    |       |       |     |    |       |       |      |    |        |       |     |    |       |       |      |    |       |       |     |       |                 |             |   |      |                      |    |      |                  |    |      |                  |   |      |                  |



MINISTRY OF HIGHER EDUCATION, SCIENCE, AND  
TECHNOLOGY

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|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|-------------------|----|------|-------------------|---|------|------------------|---|------|------------------|---|------|-----------------|
|                | <table><tr><td>B-</td><td>2.75</td><td><math>65 \leq B- &lt; 70</math></td></tr><tr><td>C+</td><td>2.50</td><td><math>60 \leq C+ &lt; 65</math></td></tr><tr><td>C</td><td>2.00</td><td><math>55 \leq C &lt; 60</math></td></tr><tr><td>D</td><td>1.00</td><td><math>40 \leq D &lt; 55</math></td></tr><tr><td>E</td><td>0.00</td><td><math>0 \leq E &lt; 40</math></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B-                | 2.75 | $65 \leq B- < 70$ | C+ | 2.50 | $60 \leq C+ < 65$ | C | 2.00 | $55 \leq C < 60$ | D | 1.00 | $40 \leq D < 55$ | E | 0.00 | $0 \leq E < 40$ |
| B-             | 2.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $65 \leq B- < 70$ |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| C+             | 2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $60 \leq C+ < 65$ |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| C              | 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $55 \leq C < 60$  |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| D              | 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $40 \leq D < 55$  |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| E              | 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $0 \leq E < 40$   |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| Forms of Media | Slides, LCD projector, UNESA Learning Management System (LMS), Google Docs, Google Slides, Google Forms, Canva, Microsoft Word, PDF documents, smartphones, and laptops.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| Literature     | <ol style="list-style-type: none"><li>1. Ratumanan, T. G., &amp; Rosmiati, I. (2023). <i>Perencanaan Pembelajaran</i> (Edisi Kedua). Rajawali Pers.</li><li>2. Ananda, R. (2019). <i>Perencanaan Pembelajaran</i>. LPPPI.</li><li>3. Wiggins, G., &amp; McTighe, J. (2005). <i>Understanding by Design</i> (Expanded 2nd ed.). ASCD.</li><li>4. Joyce, B., Weil, M., &amp; Calhoun, E. (2015). <i>Models of Teaching</i> (9th ed.). Pearson.</li><li>5. Tomlinson, C. A. (2014). <i>The Differentiated Classroom: Responding to the Needs of All Learners</i> (2nd ed.). ASCD.</li><li>6. Fullan, M., Quinn, J., &amp; McEachen, J. (2018). <i>Deep Learning: Engage the World, Change the World</i>. Corwin.</li><li>7. Brahier, D. J. (2024). <i>Teaching secondary and middle school mathematics</i> (7th ed.). Routledge.</li></ol> |                   |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |
| Note           | Based on the Regulation of the Minister of Higher Education, Science, and Technology of the Republic of Indonesia Number 39 of 2025 on Quality Assurance in Higher Education, 1 credit unit (CU) corresponds to 45 hours of learning per semester. UNESA implements this as 170 minutes per week over 16 weeks, including midterm and final examinations. For the Lesson Plan Development course (3 CU), the total workload is calculated as $3 \times 170 \times 16 = 8,160$ minutes or 136 hours per semester, comprising lectures, structured assignments, and independent study. Based on UNESA's credit conversion of $1 \text{ CU} = 1.59 \text{ ECTS}$ , this course is equivalent to $3 \times 1.59 = 4.77 \text{ ECTS}$ .                                                                                                      |                   |      |                   |    |      |                   |   |      |                  |   |      |                  |   |      |                 |