Module designation	**Final Project** **Indonesian title:** *Tugas Akhir* **Course code:** 8420206202
Semester(s) in which the module is taught	Semester 8 (Fourth year)
Person responsible for the module	**Coordinator:** Dr. Endah Budi Rahaju, M.Pd. **Teaching staff:** Thesis supervisors of the Undergraduate Mathematics Education Programme
Language	Indonesian
Relation to curriculum	Compulsory
Teaching methods	Individual project with supervision and consultation **Media and tools:** Slides, LCD projector, UNESA Learning Management System (LMS), Google Scholar and Scopus, reference manager (Mendeley or Zotero), plagiarism checker, statistical software (SPSS, JASP, or R), Microsoft Word
Workload (incl. contact hours, self-study hours)	**(Estimated) total workload:** 4 CU × 170 minutes × 16 weeks = 10,880 minutes = 181.33 hours (≈ 6.36 ECTS) **Contact hours:** lectures, 4 × 50 minutes per week × 16 weeks = 53.33 hours (class hours per week: 680 minutes = 11.33 hours, including structured activities) **Private study including examination preparation:** structured assignments, 4 × 60 minutes per week × 16 weeks = 64.00 hours; independent study, 4 × 60 minutes per week × 16 weeks = 64.00 hours (total 128.00 hours)
Credit points	4 CU (6.36 ECTS) *1 CU = 170 minutes per week × 16 weeks = 45.3 hours; 1 ECTS = 28.48 hours (144 CU = 229 ECTS), so 1 CU = 1.59 ECTS (UNESA Rector's Decree No. 736/HK/KM/2023).*
Required and recommended prerequisites for joining the module	Research Methodology and Final Project Proposal
Module objectives/intended learning outcomes	**Programme learning outcomes (PLO) addressed:** • PLO-2: Demonstrate a resilient, collaborative, adaptive, innovative, inclusive, lifelong learning, and entrepreneurial character. • PLO-3: Develop logical, critical, systematic and creative thinking in carrying out specific work in the field of expertise and in accordance with the work competency standards in the relevant field. • PLO-9: Demonstrate knowledge related to mathematics education research. • PLO-10: Make decisions based on data/information in completing tasks that are the student's responsibility and evaluating the work that has been done. • PLO-11: Communicate ideas and research results effectively, orally, and in writing. **Course learning outcomes (CLO): after completing this module, students are able to:** • CLO-1: Analyse research problems in mathematics education and carry out the research according to the proposal presented in the

<table>
<tr><td></td><td>final project seminar, including data collection with valid and reliable instruments (PLO 3, PLO 10)
• CLO-2: Analyse the data with techniques that fit the research problem, explain the results with reference to mathematical and pedagogical theory, and draw conclusions (PLO 9, PLO 11)
• CLO-3: Apply information technology in preparing the thesis, including literature management, data analysis, and plagiarism checking, and write the research report with correct writing techniques (PLO 11)
• CLO-4: Organise and carry out the preparation of the final project independently and collaboratively with the supervisors, both theoretically and practically, with resilience and responsibility (PLO 2)
• CLO-5: Present and defend the research and the thesis in a final examination with logical arguments supported by data and literature (PLO 3, PLO 11)</td></tr>
<tr><td>Content</td><td>The final project is a course in which students understand and apply the basic concepts of research. Students complete the research according to the proposal they wrote and presented in the final project seminar. They collect data and analyse it with techniques that fit the research problem, with guidance from supervisors. The results of the analysis are then explained, conclusions are drawn, and a research report is written with correct writing techniques and free from plagiarism. After passing the plagiarism check, students are scheduled for a thesis examination by the examining lecturers before they are declared graduates. By completing the thesis, students show that they can conduct structured and scientific research and are ready to face professional challenges in their field.</td></tr>
<tr><td>Examination forms</td><td>Final score is calculated from the weekly assessment scheme below (CLO/PLO addressed and weight of each assessment):
<table>
<tr><th>Week</th><th>CLO</th><th>PLO</th><th>Weight (%)</th></tr>
<tr><td>1</td><td>CLO-1</td><td>PLO-3, PLO-11</td><td>4</td></tr>
<tr><td>2</td><td>CLO-1</td><td>PLO-3, PLO-11</td><td>4</td></tr>
<tr><td>3</td><td>CLO-1</td><td>PLO-3, PLO-11</td><td>4</td></tr>
<tr><td>4</td><td>CLO-1</td><td>PLO-3, PLO-11</td><td>4</td></tr>
<tr><td>5</td><td>CLO-1</td><td>PLO-3, PLO-11</td><td>4</td></tr>
<tr><td>6</td><td>CLO-2</td><td>PLO-10, PLO-9</td><td>4</td></tr>
<tr><td>7</td><td>CLO-2</td><td>PLO-10, PLO-9</td><td>4</td></tr>
<tr><td>8</td><td>CLO-2</td><td>PLO-10, PLO-9</td><td>4</td></tr>
<tr><td>9</td><td>CLO-2</td><td>PLO-10, PLO-9</td><td>4</td></tr>
<tr><td>10</td><td>CLO-2</td><td>PLO-10, PLO-9</td><td>4</td></tr>
<tr><td>11</td><td>CLO-3</td><td>PLO-9</td><td>4</td></tr>
<tr><td>12</td><td>CLO-3</td><td>PLO-9</td><td>4</td></tr>
<tr><td>13</td><td>CLO-3</td><td>PLO-9</td><td>4</td></tr>
<tr><td>14</td><td>CLO-3</td><td>PLO-9</td><td>4</td></tr>
<tr><td>15</td><td>CLO-4</td><td>PLO-2</td><td>4</td></tr>
<tr><td>16</td><td>CLO-5</td><td>PLO-3, PLO-9</td><td>40</td></tr>
</table></td></tr>
<tr><td>Study and examination</td><td>Students are considered competent and pass if the final score,</td></tr>
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<td>requirements</td>
<td>calculated from thesis writing (60%) and the final presentation or thesis examination (40%), is at least 55 or C.

Final index (grade conversion):
<table>
<tr><th>Index</th><th>Converted score</th><th>Score range (A = final score)</th></tr>
<tr><td>A</td><td>4.00</td><td>85 ≤ A ≤ 100</td></tr>
<tr><td>A-</td><td>3.75</td><td>80 ≤ A < 85</td></tr>
<tr><td>B+</td><td>3.50</td><td>75 ≤ A < 80</td></tr>
<tr><td>B</td><td>3.00</td><td>70 ≤ A < 75</td></tr>
<tr><td>B-</td><td>2.75</td><td>65 ≤ A < 70</td></tr>
<tr><td>C+</td><td>2.50</td><td>60 ≤ A < 65</td></tr>
<tr><td>C</td><td>2.00</td><td>55 ≤ A < 60</td></tr>
<tr><td>D</td><td>1.00</td><td>40 ≤ A < 55</td></tr>
<tr><td>E</td><td>0.00</td><td>0 ≤ A < 40</td></tr>
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<tr>
<td>Reading list</td>
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1. Tim. (2024). Pedoman tugas akhir (Edisi II). Universitas Negeri Surabaya.
2. Tim. (2014). Pedoman penulisan skripsi. Universitas Negeri Surabaya.
3. Lövei, G. L. (2021). Writing and publishing scientific papers: A primer for the non-English speaker. Open Book Publishers.
4. Belcher, W. L. (2019). Writing your journal article in twelve weeks: A guide to academic publishing success (2nd ed.). University of Chicago Press.
5. Thomas, C. G. (2021). Research methodology and scientific writing (2nd ed.). Springer.
6. Creswell, J. W., & Creswell, J. D. (2018). Research design: Qualitative, quantitative, and mixed methods approaches (5th ed.). SAGE Publications.
7. Cohen, L., Manion, L., & Morrison, K. (2018). Research methods in education (8th ed.). Routledge.
8. American Psychological Association. (2020). Publication manual of the American Psychological Association (7th ed.).

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