MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY UNIVERSITAS NEGERI SURABAYA

## FACULTY OF MATHEMATICS AND NATURAL SCIENCES

Ketintang Campus, D-1 Building, Surabaya 60231 +6231-8296427
Website: www.fmipa.unesa.ac.id, email: info_fmipa@unesa.ac.id

## Master Program of Mathematics Education

## Module Handbook

| Module Name: | Mathematics Problem Solving |
| :---: | :---: |
| Module Level: | Master (S-2) |
| Abbreviation, if applicable: |  |
| Sub-heading, if applicable: | - |
| Course included in the module, if applicable: | - |
| Semester/term: | 3/Second year |
| Module Coordinator(s): | Prof. Dr. Manuharawati, M. Si. |
| Lecturer(s): | 1. Prof. Dr. Manuharawati, M. Si. <br> 2. Dr. Raden Sulaiman, M. Si. |
| Language: | Indonesian |
| Classification within the curriculum: | Compulsory course/elective studies |
| Teaching format/class hours per week during the semester | Teaching format: lectures, tutorial assignment, and individual study. $2 \times$ 240 minutes $=480$ minutes $=8$ hours lectures |
| Workload: | 15 weeks per semester consisting of: <br> - 1 hour lecture ( $1 \times 50$ minutes) per week, <br> - 2 hours assignments ( $2 \times 45$ minutes) per week, <br> - 2 hours individual study ( $2 \times 50$ minutes) per week, <br> Total workload: $14 \times 2 \times 240$ minutes $=6,720$ minutes $\approx 4.48$ ECTS* |
| Credit Point: | 2 |
| Requirements: | N/A |
| Learning Goals: | Knowledge (KNO-1) <br> CLO-1: able to explore various strategies for solving mathematics problems. <br> Skill (SKI-1) <br> CLO-2: able to apply different methods for mathematics problems. <br> Competency (COM-2) <br> CLO-3: able to work independently on and share ideas of solutions to |

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| Note | Total hours per 1 credit in 1 semester $=\{(1$ credit $\times 240$ minutes $\times 14$ <br>  <br> weeks $) / 60$ minutes $\}=56$ hours. <br> Each ECTS equals 25 hours, so 1 credit in 1 semester is equivalent to <br> 2.24 ECTS. |
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| Last amendment | January 2023 |

