



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

Phone: +62 895335466373, email: [s1-pmat@unesa.ac.id](mailto:s1-pmat@unesa.ac.id)

Website: <https://pendidikan-matematika.fmipa.unesa.ac.id/>

**Undergraduate Program of Mathematics**

**Module Handbook**

|                                                                 |                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Name:</b>                                             | Public Communication<br>Komunikasi Publik                                                                                                                                                                                                                                                                                                                 |
| <b>Module Level:</b>                                            | Sarjana (S-1) / Undergraduate                                                                                                                                                                                                                                                                                                                             |
| <b>Abbreviation, if applicable:</b>                             | 8420202093                                                                                                                                                                                                                                                                                                                                                |
| <b>Sub-heading, if applicable:</b>                              | -                                                                                                                                                                                                                                                                                                                                                         |
| <b>Course included in the module, if applicable:</b>            | -                                                                                                                                                                                                                                                                                                                                                         |
| <b>Semester/term:</b>                                           | 7 / Fourth year                                                                                                                                                                                                                                                                                                                                           |
| <b>Module Coordinator(s):</b>                                   | Dr. Yurizka Melia Sari, M.Pd.                                                                                                                                                                                                                                                                                                                             |
| <b>Lecturer(s):</b>                                             | Dr. Yurizka Melia Sari, M.Pd.                                                                                                                                                                                                                                                                                                                             |
| <b>Language:</b>                                                | Indonesian                                                                                                                                                                                                                                                                                                                                                |
| <b>Classification within the curriculum:</b>                    | Compulsory course/elective studies                                                                                                                                                                                                                                                                                                                        |
| <b>Teaching format/class hours per week during the semester</b> | Teaching format: interactive lectures, case studies, project-based learning, problem-based learning, drill and practice, role playing and simulation, and peer feedback<br>Class hours per week: 2 x 170 minutes = 340 minutes (5.67 hours), of which 2 x 50 minutes are lectures                                                                         |
| <b>Workload:</b>                                                | 16 weeks per semester consisting of: <ul style="list-style-type: none"> <li>• 2 hours lectures (2 x 50 minutes) per week,</li> <li>• 2 hours structured assignments (2 x 60 minutes) per week,</li> <li>• 2 hours independent study (2 x 60 minutes) per week,</li> </ul> Total workload: 16 x 2 x 170 minutes = 5,440 minutes = 90.67 hours = 3.18 ECTS* |
| <b>Credit Point:</b>                                            | 2 CU (3.18 ECTS)                                                                                                                                                                                                                                                                                                                                          |
| <b>Requirements:</b>                                            | None                                                                                                                                                                                                                                                                                                                                                      |
| <b>Learning Goals :</b>                                         | <b>Programme Learning Outcomes (PLO) addressed:</b><br>PLO 4: Develop themselves continuously and collaborate<br><br><b>Course Learning Outcomes (CLO): after completing this</b>                                                                                                                                                                         |



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|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | <p><b>module, students are able to:</b></p> <p>CLO-1: Explain the basic concepts of public communication and their importance for communicating mathematical ideas, and analyse the audience and the communication context critically (PLO 4)</p> <p>CLO-2: Design a logical, systematic, and creative message, including its structure (opening, body, and closing), its arguments, and supporting visual media (PLO 4)</p> <p>CLO-3: Deliver ideas effectively through verbal and non-verbal techniques (voice, articulation, and body language), and overcome communication barriers and stage fright (PLO 4)</p> <p>CLO-4: Manage interaction, including questions and answers, discussion, and feedback, rationally and constructively, and integrate all aspects of communication in a final presentation (PLO 4)</p>                                                                                                                                                                     |
| <b>Content:</b>                | <p>This course develops two pillars of effective public communication. The first is the ability to think through and design a message: students learn to analyse the audience, build arguments logically, structure the material systematically, and design supporting media creatively. The second is the ability to deliver a message: students practise verbal and non-verbal techniques to communicate ideas rationally, effectively, and innovatively. Topics are the basic concepts of public communication; audience and context analysis; the structure and logic of a presentation; storytelling and visual media design; practice of voice, articulation, and body language; overcoming communication barriers and building confidence; and managing interaction through questions, answers, and discussion. Through a combination of theory and intensive practice, students become reliable communicators, especially in conveying ideas and material in mathematics education.</p> |
| <b>Study/exam achievements</b> | <ul style="list-style-type: none"><li>• Students are considered competent and pass if the final score, calculated from the assignments on storytelling and story simulation (40%), active participation (10%), the midterm</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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formative examination (20%), and the final project assessment (30%), is at least 55 or C.

- Final score is calculated as follows:

| Week | Course Learning Outcomes (CLO) | Programme Learning Outcomes (PLO) | Evaluation |
|------|--------------------------------|-----------------------------------|------------|
| 1    | CLO-1                          | PLO-4                             | 2%         |
| 2    | CLO-1                          | PLO-4                             | 3%         |
| 3    | CLO-2                          | PLO-4                             | 2%         |
| 4    | CLO-2                          | PLO-4                             | 3%         |
| 5    | CLO-2                          | PLO-4                             | 2%         |
| 6    | CLO-2                          | PLO-4                             | 3%         |
| 7    | CLO-2                          | PLO-4                             | 2%         |
| 8    | CLO-2                          | PLO-4                             | 20%        |
| 9    | CLO-3                          | PLO-4                             | 5%         |
| 10   | CLO-3                          | PLO-4                             | 5%         |
| 11   | CLO-3                          | PLO-4                             | 5%         |
| 12   | CLO-4                          | PLO-4                             | 5%         |
| 13   | CLO-4                          | PLO-4                             | 3%         |
| 14   | CLO-4                          | PLO-4                             | 5%         |
| 15   | CLO-4                          | PLO-4                             | 5%         |
| 16   | CLO-4                          | PLO-4                             | 30%        |

- Final index is defined as follow:

| 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            | $70 \leq B < 75$     |
| B-    | 2.75            | $65 \leq B- < 70$    |
| C+    | 2.50            | $60 \leq C+ < 65$    |
| C     | 2.00            | $55 \leq C < 60$     |



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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|------------------|--|
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D | 1.00 | $40 \leq D < 55$ |  |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E | 0.00 | $0 \leq E < 40$  |  |
| <b>Forms of Media</b> | Slides, LCD projector, whiteboard, UNESA Learning Management System (LMS), presentation software (PowerPoint or Canva), microphone, voice and video recorder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |      |                  |  |
| <b>Literature</b>     | 1. Lucas, S. E. (2020). The art of public speaking (13th ed.). McGraw-Hill Education.<br>2. Zarefsky, D. (2019). Public speaking: Strategies for success (9th ed.). Pearson.<br>3. Gallo, C. (2014). Talk like TED: The 9 public-speaking secrets of the world's top minds. St. Martin's Press.<br>4. Rakhmat, J. (2018). Retorika modern: Pendekatan praktis. PT Remaja Rosdakarya.                                                                                                                                                                                                                                                                             |   |      |                  |  |
| <b>Note</b>           | *Based on the Regulation of the Minister of Education, Culture, Research, and Technology of the Republic of Indonesia Number 53 of 2023 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 the midterm and final examinations: $1 \text{ CU} = 170 \times 16 = 2,720$ minutes or 45.3 hours. The total workload of 144 CU is therefore $144 \times 45.3 = 6,523.2$ hours. UNESA sets this workload as equivalent to 229 ECTS, so that $1 \text{ ECTS} = 6,523.2 / 229 = 28.48$ hours and $1 \text{ CU} = 1.59 \text{ ECTS}$ . |   |      |                  |  |