



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](http://www.fmipa.unesa.ac.id), email: [info\\_fmipa@unesa.ac.id](mailto:info_fmipa@unesa.ac.id)

Master Program of Science Education

Module Handbook

Module Name :	<i>Asesmen dan Evaluasi/ Assessment and Evaluation</i>
Module level :	<i>Master Program of Science Education</i>
Course Code :	<i>8410102005</i>
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	<i>Not Applicable</i>
Semester/Term	<i>2<sup>nd</sup> /First Year</i>
Module coordinator(s)	<i>Dr. Titin Sunarti, M.Si.</i>
Lecturer(s):	<i>Dr. Titin Sunarti, M.Si. Prof. Dr. Wasis, M.Si.</i>
Language:	<i>Indonesian Language</i>
Classification within the curriculum:	<i>Compulsory/ <del>Elective</del></i>
Teaching format/class hours per week during the semester:	<i>2 contact hours of lectures (Indonesia credit semester or CU*)</i>
Workload :	<i>2 x 50 minutes lectures, 2 x 90 minutes structured activity, 2 x 100 minutes individual activity, 14 weeks per semester, 112 total hours per semester ~ 4.48 ECTS**</i>
Credit Point:	<i>2 CU (4.48 ECTS)</i>
Requirements:	
Learning goals/competencies:	<p><b>Competency (COM-1)</b> <i>CLO-1 Create, apply, and analyze the results of learning evaluations</i></p> <p><b>Competency (COM-2)</b> <i>CLO-2 Design and develop the concepts of comprehensive assessment and evaluation in learning and research</i></p> <p><i>CLO-3 Identify and plan an appropriate assessment of learning</i></p>
Content	<i>This course examines and provides an in-depth and comprehensive understanding of the concept of assessment and evaluation and its application in learning and research. The study includes the concept of assessment, planning assessment, types of assessment, alternative assessment, validity and reliability, interpretation of assessment results and their use. In addition, the study includes educational evaluation, alternative approaches to educational evaluation, educational goals and educational evaluation, planning data collection, analyzing evaluation data, and reporting</i>



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	<i>evaluation results.</i>																														
<i>Attribute Soft skill:</i>	<i>Scientific report, public speaking, and team work</i>																														
<i>Study/exam achievements:</i>	<p><i>Students are considered to be competent and pass if at least get 70. Final score is calculated as follows: 20% Participation + 30% Assignment + 20% Middle Exam (UTS) + 30% Final Exam (UAS)</i></p> <p><b>Final index is defined as follow:</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><i>Index</i></th> <th><i>Converted Score</i></th> <th><i>Score Range</i></th> </tr> </thead> <tbody> <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> <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> </tbody> </table>	<i>Index</i>	<i>Converted Score</i>	<i>Score Range</i>	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	$55 \leq C < 60$	D	1.00	$40 \leq D < 55$	E	0.00	$0 \leq E < 40$
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<i>Learning Methods :</i>	<i>Case Method, Discussion, and Article Review</i>																														
<i>Form of Media:</i>	<i>Power Point slides, e-book file, and multimedia.</i>																														
<i>Literature (primary references):</i>	<ol style="list-style-type: none"> <li>1. Anderson, L. W. (2001). <i>A taxonomy for learning, teaching, and assessing</i>. New York: Longman.</li> <li>2. Grondlund, N. E. (2003). <i>Aseesment of student achievement</i>. New York: Pearson Education, Inc.</li> <li>3. Glencoe. T. (tt). <i>Performance assessment in the science classroom</i>. New York: McGraw-Hill.</li> <li>4. Johnson. D. W. dan Johnson, R. T. (2002). <i>Meaningfull assessment in the science classroom</i>. New York: Allyn and Bacon.</li> <li>5. Ossterhof, A. (2003). <i>Developing and using classroom assessment</i>. Boston: Allyn and Bacon.</li> <li>6. Popham, W. J. (1993). <i>Educational evaluation</i>. Boston: Allyn and Bacon.</li> <li>7. Knight, Peter T. and Mantz Yorke. (2003). <i>Assessment, learning, and employability</i>. Society for Research into Higher Education and Open University Press.</li> <li>8. Kauffman, James C. (2008). <i>Essentials of Creativity Assessment</i>. New Jersey: John wiley&amp;sons.inc</li> </ol>																														
<i>Notes:</i>	<p>*1 CU in learning process = three periods consist of: (a) scheduled instruction in a classroom (50 minutes); (b) structured activity (90 minutes); and (c) individual activity (100 minutes) according to according to Rector Decree of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2020</p> <p>**1 CU = 2.24 ECTS according to Rector Decree of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2020</p> <p>*Total ECTS = (total hours workload/ 60 min) / 25 hours</p> <p><b>Each ECTS is equals with 25 hours</b></p>																														
<i>Last Amendment</i>	<i>5 January 2023</i>																														



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