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

Module Name:	E-Learning
Module Level:	Sarjana (S-1) / Undergraduate
Abbreviation, if applicable:	8420202047
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	3th / Second year
Module Coordinator(s):	Shofan Fiangga, S.Pd., M.Sc
Lecturer(s):	Shofan Fiangga, S.Pd., M.Sc. Dr. Ali Shodikin, S.Pd., M.Pd. Dr. Nonik Indrawatiningsih, M.Pd. Evangelista Lus Windyana Palupi, S.Pd., M.Sc. Nurus Saadah, S.Pd., M.Pd
Language:	Indonesia
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 x 170 minutes = 340 minutes = 5.7 hours lectures
Workload:	16 weeks per semester consisting of: • 1 hour lectures (1 x 50 minutes) per week, • 1 hours assignments (1 x 60 minutes) per week, • 1 hours individual study (1 x 60 minutes) per week, Total workload : 16 x 2 x 170 minutes = 5,440 minutes = 90,67 hours = 3.1 ECTS*
Credit Point:	2
Requirements:	N/A
Learning Goals:	**PLO 7:** Communicate ideas and research results effectively, orally, and in writing. **PLO 8:** Make decisions based on data/information in completing tasks that are the student's responsibility and evaluating the work that has been done.

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Content:

This course examines the concept of e-learning and its application in mathematics education. The discussion begins with the definition and
characteristics of e-learning, followed by an exploration of the technologies that support e-learning. Students then apply this knowledge to create a simple e-learning module for mathematics education through ICT-assisted task-based learning.

Study/exam achievements

- Students are considered competent and pass if the final score 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-8	3
2	CLO-1	PLO-8	3
3	CLO-1	PLO-8	3
4	CLO-1	PLO-8	3
5	CLO-1	PLO-8	3
6	CLO-2	PLO-7	5
7	CLO-2	PLO-7	5
8	CLO-1	PLO-8	10
9	CLO-2	PLO-7	5
10	CLO-2	PLO-7	5
11	CLO-2	PLO-7	5
12	CLO-2	PLO-7	10
13	CLO-1	PLO-8	10
14	CLO-2	PLO-7	10
15	CLO-2	PLO-7	10
16	CLO-2	PLO-7	10

- 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	$55 \leq C < 60$
	D	1.00	$40 \leq D < 55$
	E	0.00	$0 \leq E < 40$
Forms of Media	Slides and LCD projectors, whiteboard		
Literature	1. Faggiano, E., Ferrara, F., Montone, A. (Eds.) 2017, Innovation and Technology Enhancing Mathematics Education, Springer. 2. Leung, A., Baccaglini-Frank, A. (Eds.) 2017, Digital Technologies in Designing Mathematics Education Tasks, Springer. 3. Rosenberg, M., et.al. 2014. e-Learning Strategy. The Learning Guild. 4. Horton, W. 2012. E-Learning by Design. A Wiley Imprint		
Note	Based on the regulation of the minister of education and culture of Indonesia number 3 of 2020 concerning national higher education standards, it is state 1 CU equals to 170 minutes per week. Therefore, in one semester (16 weeks, including midterm a final exam) 1 CU = 170 X 16 = 2.720 minutes or 45.3 hours. Therefore, workhours in 144 CU x 45.3 hours = 6.523,2 hours. Unesa decided that 1 ECTS with 144 CU, 6.523,2/229 ECTS = 28.48 hours, so that 1 CU = 1.59 ECTS		