MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCE
UNDERGRADUATE PROGRAM OF MATHEMATICS EDUCATION
Ketintang Campus, C8-C9 Buildings of FMIPA, Surabaya
Email: s1-pmat@unesa.ac.id

Undergraduate Programme of Mathematics Education   Module Handbook

MODULE HANDBOOK

Module Name:	E-learning
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	8420202047
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	5/ Third year
Module Coordinator(s):	Dr. Atik Wintarti, M.Kom
Lecturer(s):	Dr. Atik Wintarti, M.Kom Dr. Elly Matul Imah, M.Kom Dr. Janet Trineke Manoy, 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 = 5.67 hours lectures
Workload:	14 weeks per semester consisting of: ➢ 2 hours lectures (2 x 50 minutes) per week, ➢ 2 hours tutorial assignments (2 x 60 minutes) per week, ➢ 2 hours individual study (2 x 60 minutes) per week, Total workload: 14x2x170 minutes = 4,760 minutes = 3.17 ECTS*
Credit Point:	2
Requirements:	8420203152 Visual Programming

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Learning Goals :	**Knowledge (KNO-2)** CLO-1 : Understand e-learning concepts and the supporting technology **Skill (SKI-1)** CLO-2: Design e-learning mathematics using various learning approaches. CLO-3: Implement and evaluate e-learning mathematics using ICT. **Social (SOC-1)**

	CLO-3: Apply critical and innovative thinking in implementing elearning mathematics.
Content:	Definition of e-learning, history of development of e-learning, benefit of e-learning, learning strategy via e-learning, knowledge management through e-learning, Learning Management System (LMS) utilization, e-learning design, multimedia contents, implementation of e-learning, and e-learning evaluation.
Study/exam achievements	➤ Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C. ➤ Final score is calculated as follows: ➤ 20% midterm exam + 30% assignments + 20% participation + 30% final exam ➤ 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	$40 \leq D < 55$

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	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. [5] LMS : Moodle, Google Classroom, Edmodo, Schoology, etc			
Note	*Total hours per 1 credit in 1 semester={(1 credit x 170 minutes x 14 weeks)/60 minutes}=39,67 hours.			
	each ECTS equals with 25 hours therefore 1 credit in 1 semester equals 1,59 ECTS.			