

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 Science Education

Module Handbook

Module Name :	Pengembangan Pembelajaran Sains Terintegrasi/ Development of Integrated Scientific Learning			
Module level :	Master Program of Science Education			
Course Code :	8410103196			
Abbreviation, if applicable:	-			
Courses included in the module, if applicable:	Not Applicable			
Semester/Term	1 st /First Year			
Module coordinator(s)	Prof. Dr. Suyono, M.Pd.			
Lecturer(s):	Prof. Dr. Suyono, M.Pd. Prof. Dr. Rudiana Agustini, M.Pd.			
	Prof. Dr. Utiya Azizah, M.Pd.			
	Dr. Wahono Widodo, M.Pd.			
	Dr. Raharjo, M.Si.			
	Dr. Rini Pratiwi, M.Pd.			
Language:	Indonesian Language			
Classification within the curriculum:	Compulsory/ Elective			
Teaching format/class hours per week during the semester:	3 contact hours of lectures (Indonesia credit semester or CU*)			
	3 x 50 minutes lectures, 3 x 90 minutes structured activity, 3			
Workload :	x 100 minutes individual activity, 14 weeks per semester,			
	168 total hours per semester ~ 6,72 ECTS**			
Credit Point:	3 CU (6,72 ECTS)			
Requirements:				
Learning goals/competencies:	Knowledge (KNO-3) CLO-1 Mastering knowledge and learning design based on curriculum integration models recommended by Fogarty, in the scientific field to improve the quality of professional practice through the TPACK (Technological, Pedagogical, and Content Knowledge) framework to produce creative, original, and tested work in the education sector Competency (COM-1) CLO-2 Designing and evaluating science education curricula to develop more effective learning innovations.			
	Competency (COM-2) CLO-3			



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	1					
	Design and develop science learning tools (RPP, teaching					
	materials, LKPD, media, and/or assessment instruments) to solve learning problems and improve the quality of science learning					
	This course facilitates understanding of 10 curriculum integration					
	models, namely: nested, sequenced, shared, webbed, threaded,					
Content	integrated, networked fragments and exercises in implementing					
dontent	10 curriculum models. (develop learning tools and approaches) in					
	learning/lectures in class. This course provides a learning					
	experience for students to develop competence in designing					
	(designer) curriculum that is meaningful and can implement a schools.					
Attribute Soft skill:	Scientific report, public speaking, and team work					
Study/exam achievements:	Students are considered to be competent and pass if at least get 70.					
Study/exum acmevements.	Final score is calculated as follows: 20% Participation + 30%					
	Assignment + 20% Middle Exam (UTS) + 30% Final Exam (UAS)					
	Final index is defined as follow:					
	In day	Converted Cases	Canyo Dayao]		
	Index A	Converted Score 4.00	Score Range			
	A-	3.75	85 ≤ A ≤ 100 80 ≤ A- < 85			
	B+	3.50	75 ≤ B+ < 80			
	B	3.00	70 ≤ B < 75			
	B-	2.75	$65 \le B < 70$			
	C+	2.50	$60 \le C + < 65$			
	C	2.00	55 ≤ C < 60			
	D	1.00	40 ≤ D < 55			
	Е	0.00	0 ≤ E < 40	•		
Learning Methods :	Case Method, Discussion, and Article Review					
Form of Media:	Power Point slides, e-book file, and multimedia.					
-	1. Forgaty, R. (1991) dan (2001). How to iintegrate the curriculum.					
Literature (primary references):	Illinois: IRI/Skylight Publishing, Inc.					
	2. Forgaty, R. dan Stoehr, J. (2008). Integrated surricula with					
	multiple intellegences. Second Eddition. Callifornia: Corwin Press					
	A Sage Company. 3. Hewitt, P. G., Lyous, S. (2007). Conceptual integrated science Fransisco: Addison Wesley					
Notes:			ada consist of (a)	schodulad		
140(63.	*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					
	**1 CU = 2.24 ECTS according to Rector Decree of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2020 *Total ECTS = (total hours workload/ 60 min) / 25 hours Each ECTS is equals with 25 hours					
Last Amendment	5 January 2023					



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