

MINISTRY OF EDUCATION AND CULTURE UNIVERSITAS NEGERI SURABAYA FACULTY OF MATHEMATICS AND NATURAL SCIENCES **DEPARTMENT OF NATURAL SCIENCES**

Ketintang Campus, Jl. Ketintang C12 Building, Surabaya 60231 Phone (031)18296427 Website http://pendidikan-sains.fmipa.unesa.ac.id

Undergraduate Programme in Science Education

Module Handbook

(Curriculum Review)		
Bachelor degree/Undergraduate Programme		
8420103154		
Not applicable		
Not applicable		
III/Second Year (sophomore)		
Dr. Elok Sudibyo, M.Pd.		
Dr. Elok Sudibyo, M.Pd.		
Aris Rudi Purnomo, S.Si., M.Pd., M.Sc.		
Wahyu Budi Sabtiawan, S.Si., M.Pd., M.Sc.		
Bahasa Indonesia (Indonesian Language)		
Compulsory / Elective		
3 contact hours of lectures (Indonesia credit semester or		
sks*)		
3 × 50 minutes lectures, 3 × 60 minutes structured activity,		
3 × 60 minutes individual activity, 14 weeks per semester,		
119 total hours per semester ~ 4.77 ECTS**		
3 sks (4.77 ECTS)		
General Biology (8420103023)		
General Physics (8420103045)		
General Chemistry (8420103074)		
Learning Theory (8420103155)		
Introductory of Education		
Educational Psychology		
Course Learning Outcomes (CLOs):		
After taking this course, students will be able to:		
1. explain information regarding the rules,		
implementation, and issues related to Curriculum 2013;		
2. analyze the components of Curriculum 2013;		
3. analyze the scope of materials of basic competencies;		
and		
4. design student worksheet related to basic		
competencies of Curriculum 2013.		
Framework of Curriculum 2013, semester and year		
learning program, learning outcomes, student worksheet		
design, and concept-mapping.		
Discipline, collaboration, responsibility, and argumentation		
in the natural classroom setting.		
Students are considered to be competent and pass if at		
least get 40% of the maximum final grade. The final grade		
(NA) is calculated based on the following weight:		



	Assessment Components	Percentage Contribution
	Participation	20%
	Assignment	30%
	Mid-semester test	20%
	Final semester test	30%
	Total	100%
Learning Methods	student-centred approach, lecturing, group and class discussion, and presentation (structured activities), and fli learning	
Form of Media:	PowerPoint slides, student worksheets, videos and book chapters.	
Literature (primary references):	 Krathwohl D R and Anderson L W 2001 A Taxonomy for Learning Teaching and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives (USA: Longman) Morrison G R, Ross S M, Kalman H K, Kemp J E 2013 Designing Effective Instruction (USA: Wiley) Ornestein A C and Hunkins F P 2018 Curriculum: Foundation, Principles, and Issues (Vivar, Malaysia: Pearson) Badan Standar Nasional Pendidikan 2013 Permendikbud Tentang Kurikulum Tahun 2013 (Jakarta: Depdikbud) *1 sks in learning process = three contact hours that 	
Notes:	consist of: (a) scheduled inst laboratory (50 minutes); (b) minutes); and (c) individual according to the Regulation Research, Technology, and H	truction in a classroom or structured activity (60 activity (60 minutes) of Indonesia Ministry of ligher Education No. 44 Year donesia Ministry of Research,

