



**MINISTRY OF EDUCATION, CULTURE, RESEARCH,
AND TECHNOLOGY**
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY

Ketintang Campus, Jalan Ketintang, Surabaya 60231

Telephone : +6231- 8298761, email: kimia@unesa.ac.id, Laman : <http://kimia.fmipa.unesa.ac.id>

MODULE HANDBOOK

Module Name:	General Physics	
Module Level:	Bachelor	
Course Code:	8420403069	
Abbreviation, if applicable:	-	
Course included in the module, if applicable:	-	
Semester/term:	1 st / First year	
Modul coordinator(s):	Dr. Z.A. Imam Supardi, M.Si.	
Lecturer(s):	Team	
Language :	Bahasa Indonesia	
Classification within the curriculum:	Compulsory course	
Teaching format/class hours per week during the semester:	3 hours lectures (50 min / hour)	
Workload:	3 x 50 minutes lectures, 3 x 60 minutes structured activity, 3 x 60 minutes individual activity, 14 weeks per semester, 119 total hours per semester ~ 4.77 ECTS**	
Credit unit:	3 CU = 3 x 1.59 = 4.77 ECTS	
Prerequisite course(s)	-	
Targeted learning outcomes:	CLO-1: Solve physics basic concepts such as vectors, particle kinematics, particle dynamics, fluids, thermophysics, optics, static and dynamics electricity. CLO-2: Implement mathematics to solve physics problems	
Content:	The concepts and principles / laws of measurement, kinematics, dynamics, temperature, heat, and heat transfer	
Study / exam achievements:	The final grade (NA) is calculated based on the following ratio:	
	Assessment Components	Percentage of contribution
	Participation	20%
	Assignment	30%
	Mid-semester test	20%
	Final semester test	30%
	Grade conversion of 0-100 scale into 0-4 scale is set as below:	
Letter	Number	Grade Interval



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	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	$0 \leq E < 40$
Media:	Handbook and PPT		
Learning Methods:	Individuals assignment, group assignment, discussion, and presentation		
Literature:	1. Giancoli, Douglas. 2016. Physics: Principles with Applications II Global Edition. California: AddisonWesley. 2. Halliday & Resnick. 2013. Fundamental of Physics, 10thEdition. John Wiley & Sons Inc. Young, Hugh D., Freedman, Roger A., Ford 3. Albert Lewis. 2016. Sears and Zemansky's University Physics:With Modern Physics. Pearson.		
Notes:	*1 credit unit or <i>sks</i> in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018. **1 credit unit or <i>sks</i> = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019		