



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF SCIENCE EDUCATION
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Bachelor of Education in Science

MODULE HANDBOOK

Module name:	Lab Work of General Physics I
Module level, if applicable:	Undergraduate
Code:	IPA6206
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	6 th
Module coordinator:	Drs. Al. Maryanto, M.Pd
Lecturer(s):	Drs. Al. Maryanto, M.Pd; Drs. Eko Widodo, M.Pd; Didik Setyawarno, M.Pd
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course
Teaching format / class hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week.
Workload:	Total workload is 90,67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points:	1 SKS (3 ETCS)
Prerequisites course(s):	-
Targeted learning outcomes:	After successfully completing this course, you will be able to: CO1. Mastering the theory of measurement CO 2. Apply fundamental experiments in electricity CO 3. Apply fundamental experiments in optics and light CO 4. Apply fundamental experiments in magnetism
Content:	This courses gives the students in applying scientific methods in basic physics experiments I covering the fields of electricity, magnetism, and optics
Study / exam achievements:	Attitude assessment is carried out at each meeting by observation and/or self-assessment techniques using the

	<p>assumption that basically every student has a good attitude. The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.</p> <p>The final mark will be weight as follow:</p> <table><tr><th>No</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr><tr><td>1</td><td>CO1, CO2, CO3, CO4,</td><td>a. Individual Assignment b. Group Assignment c. Final Exam</td><td>Presentation / written test</td><td>50% 20% 30%</td></tr><tr><td colspan="4">Total</td><td>100%</td></tr></table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1, CO2, CO3, CO4,	a. Individual Assignment b. Group Assignment c. Final Exam	Presentation / written test	50% 20% 30%	Total				100%
No	CO	Assessment Object	Assessment Technique	Weight												
1	CO1, CO2, CO3, CO4,	a. Individual Assignment b. Group Assignment c. Final Exam	Presentation / written test	50% 20% 30%												
Total				100%												
Forms of media:	Board, LCD Projector, Laptop/Computer, lab.instrument of physics															
Literature:	<ol style="list-style-type: none">1. TIM. 2002. Petunjuk Praktikum Fisika Dasar I. Yogyakarta: Jurdik Fisika FMIPA UNY2. Bambang Purwadi, dkk. 1997. Panduan Praktikum Fisika Dasar. UGM.3. Halliday D, and R. Resnick. 1985. Fisika Jilid 1. Jakarta: Erlangga4. Bevington, PR, and Robinson, DK. Data Reduction and Error Analysis for The Physical Science. New York: Mc. Graw Hill Inc.															

PLO and CO mapping

	PLO											
	Attitude			Knowledge				Spesific Skill				
	PLO1	PLO2	PLO3	PLO1	PLO2	PLO3	PLO4	PLO1	PLO2	PLO3	PLO4	PLO5
CO1					✓		✓	✓	✓	✓	✓	✓
CO2				✓			✓	✓	✓	✓	✓	✓
CO3					✓	✓		✓	✓	✓	✓	✓
CO4				✓				✓	✓	✓	✓	✓