



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS EDUCATION
PHYSICS STUDY PROGRAM

Colombo St. Number 1 Yogyakarta 55281
Telephone (0274)565411 Ext. 217, fax (0274) 548203
Web: <http://fisika.fmipa.uny.ac.id/>, E-mail: fisika@uny.ac.id

Bachelor of Physics

MODULE HANDBOOK

Module name:	Physics Laboratory Assistance
Module level, if applicable:	Undegraduate
Code:	FSK6232
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	5 th
Module coordinator:	Dr. Sukardiyono., M.Si.
Lecturer(s):	Dr. Sukardiyono, M.Si, Drs. Yusman Wiyatmo, M.Si
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 91 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:	2 SKS (3.25 ECTS)
Prerequisites course(s):	-
Course Outcomes	After taking this course the students have ability to:

	<p>CO1. Students master practicum equipment according to function and purpose.</p> <p>CO2. Students understand the safety of laboratory equipment.</p> <p>CO3. Students are able to guide students in carrying out practicum.</p> <p>CO4. Students are able to make practical reports well.</p> <p>.</p>						
Content:	<p>This course includes: mastery of practicum equipment, work safety, how practicum equipment works, guiding students in carrying out practicum in the laboratory, theory of error, correcting practicum reports and making practicum reports.</p>						
Study / exam achievements:	<p>The final mark will be weight as follow:</p> <table><tr><th>No</th><th>CO</th><th>Assessment Object</th></tr><tr><td>1</td><td>CO1, CO2, CO3 and CO4</td><td>a. Individual Assignment b. Group Assignment c. Mid d. Final Exam</td></tr></table>	No	CO	Assessment Object	1	CO1, CO2, CO3 and CO4	a. Individual Assignment b. Group Assignment c. Mid d. Final Exam
No	CO	Assessment Object					
1	CO1, CO2, CO3 and CO4	a. Individual Assignment b. Group Assignment c. Mid d. Final Exam					
Forms of media:	<p>Board, LCD Projector, Laptop/Computer, online</p>						
Literature:	<p>1. Tim Fisika Dasar. 2014. <i>Petunjuk Praktikum Fisika dasar I</i>. Yogyakarta : Jurusan Pendidikan Fisika UNY</p> <p>2. Halliday dan Resnick. 1991. <i>Fisika Jilid I</i>. Terjemahan : Pantur Silaban dan Erwin Sucipto. Jakarta : Erlangga</p>						

	3. Bevington, P.R. 1992. <i>Data Reduction and Error Analysis for the Physical Sciences</i> . New York. McGraw-Hill. Inc.
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PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CO1							√	
CO2							√	
CO3							√	
CO4							√	