

## 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: <a href="http://fisika.fmipa.uny.ac.id">http://fisika.fmipa.uny.ac.id</a>, E-mail: <a href="mailto:fisika@uny.ac.id">fisika@uny.ac.id</a>

### **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 <sup>th</sup>			
Module coordinator:	Dr. Sukardiyono., M.Si.			
Lecturer(s):	Dr. Sukardiyono, M.Si, Drs. Yusman Wiyatmo, M.Si			
Language:	Bahasa Indonesia			
Classification within the	Compulsory Course			
curriculum:	Compandory Course			
Teaching format / class	100 minutes lectures and 120 minutes structured activities per week.			
hours per week during the				
semester:				
	Total workload is 91 hours per semester which consists of 100			
Workload:	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):	-			
	After taking this course the students have ability to:			
Course Outcomes	<ul> <li>CO1. Students master practicum equipment according to function and purpose.</li> <li>CO2. Students understand the safety of laboratory equipment.</li> <li>CO3. Students are able to guide students in carrying out practicum.</li> </ul>			
	CO4. Students are able to make practical reports well.			

Content:	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.  The final mark will be weight as follow:							
Study / exam achievements:	No	СО	Assessment Object	Assessment Technique	Weight			
	1	CO1, CO2, CO3 and CO4	a. Individual Assignment b. Group Assignment c. Mid d. Final Exam	Presentation / written test	15% 15% 20% 25% 25%			
Forms of media:	Board, LCD Projector, Laptop/Computer, online							
Literature:	<ol> <li>Tim Fisika Dasar. 2014. Petunjuk Praktikum Fisika dasar I. Yogyakarta: Jurusan Pendidikan Fisika UNY</li> <li>Halliday dan Resnick. 1991. Fisika Jilid I. Terjemahan: Pantur Silaban dan Erwin Sucipto. Jakarta: Erlangga</li> <li>Bevington, P.R. 1992. Data Reduction and Error Analysis for the Physical Sciences. New York. McGraw-Hill. Inc.</li> </ol>							

# **PLO and CO mapping**

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