

UNIVERSITAS NEGERI YOGYAKARTA

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Bachelor of Education in Science

MODULE HANDBOOK

Module name:	Lab work of Basic Science					
Module level, if applicable:	Undergraduate					
Code:	IPA6103					
Sub-heading, if applicable:	-					
Classes, if applicable:	-					
Semester:	1					
Module coordinator:	Purwanti Widhy H, M.Pd					
Lecturer:	Sabar Nurohman,M.Pd, Purwanti Widhy H, M.Pd					
Language:	Bahasa Indonesia					
Classification within the	Compulsory course					
curriculum:						
Teaching format / class	100 minutes lectures and 120 minutes structured activities per					
hours per week during the	week					
semester:	WEER.					
	Total workload is 90.67 hours per semester which consists of					
Workload:	100 minutes lectures, 120 minutes structured activities, and					
	120 minutes individual study per week for 16 weeks.					
Credit points:	1					
Prerequisites course(s):	-					
Targeted learning outcomes:	 After taking this course the students have ability to: CO1. Show independence and responsible in carrying out individual tasks and group assignments CO2. show independent, systematic and measurable performance CO3. make decisions about solving problems related to characteristic of science, nature of science and scientific method CO4 responsible for achieving the results of group work 					

Content:	This course examines the characteristics of natural science compared with other sciences, the basics of natural science as a process, a product, a scientific attitude and its application in everyday life., analysis of causality natural events using scientific methods to establish the concept of science, capable of linking science and technology in society							
	The final mark will be weight as follow:NoCOAssessment ObjectAssessmentWeight							
Study / exam achievements:	1	CO2, CO3 and CO4	a. performance b. pretest c. report d. post test	Presentation / written test	30% 15% 15% 25%			
Forms of media:	Total 100% Board, LCD Projector, Laptop/Computer 100%							
Literature:	 1. 1 Hewitt, Paul G et al.(2007). Conceptual Integrated Science. San Francisco: Pearson Educations, Inc. 2. Chiappetta, Eugene L. (2010). Science Instructional in The Middle and Secondary schools. Boston : Pearson Educations, inc. 3. Griffith, Thomas. (2007). The Physic of everyday phenomena. New York: McGraw-Hill. 4. University of California. (2010). Understanding science: How science really work?. Accessed from http://undsci.berkeley.edu/ on August 10, 2010 							

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1		✓										
CO2								✓				
CO3										✓		
CO4												✓