

UNIVERSITAS NEGERI YOGYAKARTA

FACULTY OF MATHEMATICS AND NATURAL SCIENCES DEPARTMENT OF MATHEMATICS EDUCATION Jalan Colombo Nomor 1 Yogyakarta 55281 Telepon(0274)565411 Pesawat 217, (0274)565411(TU),fax (0274)548203 Laman :fmipa.uny.ac.id, E-mail :humas_fmipa@uny.ac.id

Bachelor of Education in Science

MODULE HANDBOOK

Module name:	Labwork of General Chemistry 1
Module level, if applicable:	Undergraduate
Code:	IPA6109
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	1 th (first)
Module coordinator:	Purwanti Widhy H, M.Pd
Lecturer(s):	Purwanti Widhy H, M.Pd, Putri Anjarsari, 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 and 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 chemical experiments consists of determining the compound formula from experimental data; molar volume of gas, reaction enthalpy; properties of solution. Concentration and reaction rate, temperature and

	CO4	chroma	n rate; separation c tography; and acid bas sible for achieving the r	se and titration	curve.	per					
Content:	This course contains solving problems related to chemical experiments consists of determining the compound formula from experimental data; molar volume of gas, reaction enthalpy; properties of solution. Concentration and reaction rate, temperature and reaction rate; separation of compounds by paper chromatography; and acid base and titration curve.										
Study / exam achievements:	obse assu The if the gene of the cours good	Technique									
Forms of media:	Boar	d, LCD F	Projector, Laptop/Comp	Total outer	100%						
Literature:	 A. Brown, Theodore, et .al, 1976, Chemistry the central science.Pearson: Pearson Pertice Hall. B. Chang, R., 2004, KIMIA DASAR (konsep-konsep inti), edisi ketiga, jilid 2, Erlangga, Jakarta C. Keenan, 1989, Kimia untuk Universitas, edisi keenam, jilid 2, Erlangga, Jakarta D. Silberberg, Martin S. 2006. Principles of General Chemistry. McGraw-Hill Higher Education. 										

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1		~										

CO2				✓		
CO3					✓	
						✓