

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:	Skills in Chemistry
Module level, if applicable:	Undergraduate
Code:	IPA6238
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	3 th (first)
Module coordinator:	Putri Anjarsari, 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:	2 (3 ETCS)
Prerequisites course(s):	General Chemistry 1 & 2
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. Able to use knowledge systematically in solving problems related to applied chemistry in daily life CO3. mastering the basic principles of making some chemicals and products related to chemical processes used in households, such as nata, yoghurt, salted flavored eggs, VCO, essential oil, and recreational

		chemis	try and science experim	nents		
Content:	perso mast prod such	onality (a ering the ucts rela as nata	and practice develops attitudes) and skills (per basic principles of maleted to chemical procest, yoghurt, salted flavorational chemistry and so	rformance) of king some chasses used in led eggs, VC	students emicals a househol O, essen	s in and lds,
Study / exam achievements:	Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the 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. The final mark will be weight as follow: No CO Assessment Object Assessment Weight Technique					
Forms of media:	Boar	d, LCD F	Projector, Laptop/Compu	uter		
Literature:	B. C k C. K 2 D. Si	cience.Po hang, R., etiga, jilic eenan, 1 , Erlangg liberberg	neodore, et .al, 1976 earson: Pearson Pertice , 2004, KIMIA DASAR (I 2, Erlangga, Jakarta 989, Kimia untuk Unive a, Jakarta , Martin S. 2006. . McGraw-Hill Higher Ed	e Hall. konsep-konse ersitas, edisi k Principles	ep inti), eo keenam, j	disi jilid

PLO and CO mapping

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

CO3 / / / / /									
	CO3		✓	✓	✓	✓			