

UNIVERSITAS NEGERI YOGYAKARTA

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Bachelor of Education in Science

MODULE HANDBOOK

Module name:	Lab-work of Information and Communication Technology (ICT)						
Module level, if applicable:	Undergraduate						
Code:	IPA6217						
Sub-heading, if applicable:	-						
Classes, if applicable:	-						
Semester:	2 nd (second)						
Module coordinator:	Sabar Nurohman, M.Pd.						
Lecturer(s):	Widodo Setiyo Wibowo, 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 (3 ETCS)						
Prerequisites course(s):	-						
Targeted learning outcomes:	 After accomplishing this course students are able to: CO1. show independency and responsibility in carrying out individual tasks and group assignments CO2. show independent, systematic, and measurable performance in developing ICT-based science instructional media CO3. make decision about solving problem related to design and develop web-based learning, web-based assessment in science learning, and e-commerce. CO4. responsible for achieving results of group work. 						
Content:	nt: experiment in science learning, developing teaching material						

Study/exam achievements:	 and online scoring systems using various applications such as: Edmodo, Google Classroom, and Blogger, using Tracker Video Analysis to analyze digital motion phenomena, developing presentations with Prezi for learning purposes, and utilization of ICT in e-commerce. 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: 							
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				Technique	noight			
	1	CO1,	a. performance	Project and	10%			
		CO2	b. product 1	presentation	10%			
		and	c. product 2		10%			
		CO3	d. product 3		20%			
		CO4	e. product 4		20%			
			f. product 5		10%			
			g. product 6		10%			
			h. product 7	Tatal	10%			
	Total 100%							
Forms of media:			Projector, Laptop/Compu					
	A. Ruth Colvin Clark & Ann Kwinn. (207). The new virtual							
	classroom: evidence-based guidelines for synchronous e-							
	learning. San Francisco: John Wiley & Son							
	B. Abdul kadir& Terra Ch. Triwahyuni. (2003). Pengenalan							
Literature:	Teknologi Informasi. Yogyakarta: Penerbit ANDI							
	C. Suharyanto & Sabar Nurohman. (2007). Petunjuk							
	Praktikum TIK. Yogyakarta: FMIPA UNY							
	D. TIM ICT UNY. (2007). Pembekalan Information and							
		omunicat	57 (CT) Mahasis	wa Baru.			
	Y	ogyakarta	a:UNY					

PLO and CO mapping

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