



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:	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:	This course will study about using Google Docs, Google Spreadsheets, Google Presentation, and Google Form for various academic needs, using PhET Simulations as a virtual experiment in science learning, developing teaching materials

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