

Introduction to Information Technology A

Module name		Introduction to Information Technology A				
Module level		1 st year of Bachelor program				
Abbreviation, if applicable						
Sub-heading, if applicable						
Courses included in the module, if applicable		KU1071 Introduction to Information Technology A				
Semester/term		1 st Semester				
Module coordinator(s)						
Lecturer(s)						
Language		Indonesian				
Classification within the Curriculum		Compulsory courses for Bachelor Program in Biology				
Teaching format/ class hours per week during the semester		Lecture : 2 hours x 16 weeks Practical class : 1 hour x 16 weeks				
Workload	Total Workload	100 hours; 2 CU				
		Face to face teaching	Structured Activities	Independent study	Exam	Total
	Lecture	32	16	32	4	84
	Practical class	-	16	-	-	16
		100				
Credit points		<i>Introduction to Information Technology A (2 CU)</i>				
Requirements						
Content	<p>This course introduces:</p> <ul style="list-style-type: none"> Information technology as a part of ethical development of creativity The skill to work with various productivity applications that support students' academic and professional lives The introduction to computer system and organization (hardware and software) Communication network (including the internet) The implications of the use of information technology in the aspects of human's life (especially the ones related to the life in the faculty/school) The skill to work with the computer, internet, and various productivity applications required by the faculty/school. 					
Learning goals/ competencies	<p><i>After completion of this module students are expected to be able to:</i></p> <p>Knowledge:</p> <ul style="list-style-type: none"> Describe the basic concepts of computer systems and organizations; different types of hardware and software and its utilization; as well as the basic concepts of communication networks, including the Internet. Describe how to use the computers and communication networks ethically in various aspects of human life, especially that are related to student life in general and specifically at faculty / school. Describe an understanding of positive and negative impacts and implications of the use of computers and communication networks. <p>Skills:</p> <ul style="list-style-type: none"> Operate computers and communication networks ethically in relation to student life in general and specifically at faculty / school. <p>Competences:</p> <ul style="list-style-type: none"> Demonstrate skill in operating the computer, internet, and productivity applications that suits the needs of the faculty / schools that are ready to develop independently in the later stages. 					
Study/exam achievements	<ul style="list-style-type: none"> <i>Midterm exam</i> <i>Final exam</i> <i>Assignment + Quizzes</i> <i>Practical Class</i> 					
Forms of media		<i>Classical teaching tools:</i>	<i>white board/ chalk and talk, animation, power point</i>			
		<i>Integrated teaching tools:</i>	-			

	<i>Digital teaching tools:</i>	<i>Internet</i>
	<i>Problem based teaching tools:</i>	<i>Practical class</i>
Literature	<ol style="list-style-type: none"> 1. G. Beekman and B. Beekman. 2012. Digital Planet: Tomorrow's Technology and You, Complete Tenth Edition. Prentice Hall. 2. B. K. Williams and S. C. Sawyer. 2011. Using Information Technology: A Practical Introduction to Computers and Communications, Ninth Edition Complete Version. Mc Graw Hill. 3. D. Morley and C. S. Parker. 2013. Understanding Computers: Today and Tomorrow, 14th Edition Comprehensive. Course Technology. 	