

## 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 Science in Mathematics**

## MODULE HANDBOOK

Module name:	Information and Communication Technology			
Module level, if applicable:	Undergraduate			
Code:	MAT 6204			
Sub-heading,if applicable:	-			
Classes,if applicable:	-			
Semester:	1 <sup>th</sup>			
Module coordinator:	Kuswari Hernawati, M.Kom.			
Lecturer(s):	Kuswari Hernawati, M.Kom.			
Language:	Bahasa Indonesia			
Classification within the curriculum:	Compulsory course			
Teaching format / class hours per week during the semester:	100 minutes lectures and 100 minutes structured activities per week.			
Workload:	Total workload is 90.67 hours per semester which consists of 100 minutes lectures, 100 minutes structured activities, and 120 minutes self-study per week for 16 weeks			
Creditpoints:	2			
Prerequisites course(s):	-			
Course outcomes:	<ul> <li>After taking this course the students have ability to:</li> <li>CO1. Demonstrate collaborative attitude and independence in carrying out individual tasks and group assignments</li> <li>CO2. Mastering the concepts of computer work systems and latest developments in Information Technology</li> <li>CO3. Use application programs for documentation application</li> </ul>			

	CC	mpilersan	d media presentatio	ns				
	CO4. Develop applications on numerical calculations by							
	applying syntax and appropriate programming rules to solve mathematical problems. CO5. Make a simple program project.							
	This course discusses the computer work systems, the use of							
Content:	application programs for documentation application compilers,							
	numeric	al calculat	ions and media pr	esentations ar	nd knowing			
	the lates	t developn	nents in Information	Technology.				
	CO1: Attitude assessment is carried out at each meetin							
	observat	tion and ,	or self-assessme	nt techniques	using the			
	assumpt	tion that ba	asically every studer	nt has a good a	ttitude. The			
	student	is aiven a	value of very good	or not good at	titudeif thev			
		•	ycompared to other	•	•			
		•	assessment is not	•				
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	Students will pass from this course if at least have a good							
					are a geea			
Study/ovamachiovomonts:	attitude.				ite a geea			
Study/examachievements:		L	h		ine a geea			
Study/examachievements:	The fina		be weight as follow:		_			
Study/examachievements:		l mark will	be weight as follow: Assesment Object	Assessment	Weight			
Study/examachievements:	The fina	<b>CO</b> 2	Assesment Object Presentation	Assessment Techniques Observation	Weight 10%			
Study/examachievements:	The fina	CO           CO 2           CO 3 and	Assesment Object Presentation a. Individual	Assessment Techniques	Weight			
Study/examachievements:	The fina	<b>CO</b> 2	Assesment Object Presentation a. Individual assignments b. group	Assessment Techniques Observation	Weight 10%			
Study/examachievements:	The fina	CO           CO 2           CO 3 and	Assesment Object Presentation a. Individual assignments b. group assignments	Assessment Techniques Observation	Weight           10%           10%           10%			
Study/examachievements:	The fina	CO           CO 2           CO 3 and	Assesment Object Presentation a. Individual assignments b. group	Assessment Techniques Observation	Weight           10%           10%           25%			
Study/examachievements:	The fina	CO           CO 2           CO 3 and	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and	Assessment Techniques Observation	Weight           10%           10%           10%			
	The fina No 1 2 3	CO           CO 2           CO 3 and           CO 4	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and Project	Assessment Techniques Observation Written test Observation Total	Weight           10%           10%           25%           30%			
Study/examachievements: Forms of media:	The fina No 1 2 3	CO           CO 2           CO 3 and           CO 4	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and	Assessment Techniques Observation Written test Observation Total	Weight           10%           10%           25%           30%           15%			
	The fina No 1 2 3 Board, L	CO 2 CO 3 and CO 4 CO 5 CO 5	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and Project	Assessment Techniques Observation Written test Observation Observation Total	Weight           10%           10%           25%           30%           15%           100%			
	The fina No 1 2 3 Board, L 1. k	CO 2 CO 3 and CO 4 CO 5 CO 5 CD Project	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and Project tor, Laptop/Compute	Assessment Techniques Observation Written test Observation Observation Total	Weight           10%           10%           25%           30%           15%           100%			
	The fina No 1 2 3 Board, L 1. k	CO 2 CO 3 and CO 4 CO 5 CO Projec Kuswari H Komunikas	Assesment Object Presentation a. Individual assignments b. group assignments c. MID d. Final Exam Presentation and Project tor, Laptop/Compute lernawati. 2015.	Assessment Techniques Observation Written test Observation Total er Teknologi Info	Weight           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           10%           100%			
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	Delhi , New Age International (P) Ltd., Publishers
4.	Dale, Nell and Lewis, John(2002), Computer science
	illuminated, United States of America : Jones and
	Bartlett Publishers, Inc.
5.	Solomon Negash, Michael E. Whitman, Amy B.
	Woszczynski, Ken Hoganson, Herbert Mattord (2008),
	Handbook of Distance Learning for Real-Time and
	Asynchronous Information Technology Education, United
	States of America : Information Science Reference
6.	Custom guide(2008), Computer Basics: Student Edition
	Complete, Minneapolis, USA, Custom Guide Inc
7.	David S. Metcalf, John M. De Marco (2006), mLearning:
	Mobile Learning and Performance in the Palm of Your
	Hand, Massachusetts, HRD Press, Inc

## PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1		✓								
CO2				✓						
CO3					✓					
CO4								✓		
CO5										✓