

UNIVERSITAS NEGERI YOGYAKARTA

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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 th			
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:	 After taking this course the students have ability to: CO1. Demonstrate collaborative attitude and independence in carrying out individual tasks and group assignments CO2. Mastering the concepts of computer work systems and latest developments in Information Technology CO3. Use application programs for documentation application 			

	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							
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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	CO 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	CO 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										✓