



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 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

	<p>compilers and media presentations</p> <p>CO4. Develop applications on numerical calculations by applying syntax and appropriate programming rules to solve mathematical problems.</p> <p>CO5. Make a simple program project.</p>																									
Content:	<p>This course discusses the computer work systems, the use of application programs for documentation application compilers, numerical calculations and media presentations and knowing the latest developments in Information Technology.</p>																									
Study/exam achievements:	<p>CO1: 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.</p> <p>The final mark will be weight as follow:</p> <table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assesment Object</th> <th>Assessment Techniques</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO 2</td> <td>Presentation</td> <td>Observation</td> <td>10%</td> </tr> <tr> <td>2</td> <td>CO 3 and CO 4</td> <td>a. Individual assignments b. group assignments c. MID d. Final Exam</td> <td>Written test</td> <td>10% 10% 25% 30%</td> </tr> <tr> <td>3</td> <td>CO 5</td> <td>Presentation and Project</td> <td>Observation</td> <td>15%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assesment Object	Assessment Techniques	Weight	1	CO 2	Presentation	Observation	10%	2	CO 3 and CO 4	a. Individual assignments b. group assignments c. MID d. Final Exam	Written test	10% 10% 25% 30%	3	CO 5	Presentation and Project	Observation	15%	Total				100%
No	CO	Assesment Object	Assessment Techniques	Weight																						
1	CO 2	Presentation	Observation	10%																						
2	CO 3 and CO 4	a. Individual assignments b. group assignments c. MID d. Final Exam	Written test	10% 10% 25% 30%																						
3	CO 5	Presentation and Project	Observation	15%																						
Total				100%																						
Forms of media:	Board, LCD Projector, Laptop/Computer																									
Literature:	<ol style="list-style-type: none"> 1. Kuswari Hernawati. 2015. Teknologi Informasi dan Komunikasi . Hand Book 2. Brookshear, J. Glenn (2007) ,Computer Science, An Overview, New York : Pearson Addison Wesley 3. Khanna, Rajiv (2008), Basics of Computer Science, New 																									

