



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 Education in Mathematics

MODULE HANDBOOK

Module name:	Trigonometry
Module level, if applicable:	Undergraduate
Code:	MAA6202
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	2 nd
Module coordinator:	Husna 'Arifah, M.Sc.
Lecturer(s):	Husna 'Arifah, M.Sc.
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 120 minutes lectures, 120 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. Communicate ideas in solving mathematical problems in writing or verbally. CO3. Able to explaining trigonometry concepts, trigonometry equations and trigonometry inequalities. CO4. Solve trigonometry problems and apply them in everyday life

Content:	This course discusses understanding of angles, and quantities used in measurements, definitions of trigonometry functions and their expansion for non-singular angles, various equations and inequalities of Trigonometry functions, various graphs of simple trigonometry functions, summations and multiplication of two trigonometry functions are simple and able to apply them to related problems.															
Study/exam achievements:	<p>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>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO2, CO3 and CO4</td> <td>a. Individual Assignment b. Group Assignment c. Quiz d. Mid e. Final Exam</td> <td>Presentation / written test</td> <td>10% 20% 20% 30%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO2, CO3 and CO4	a. Individual Assignment b. Group Assignment c. Quiz d. Mid e. Final Exam	Presentation / written test	10% 20% 20% 30%	Total				100%
No	CO	Assessment Object	Assessment Technique	Weight												
1	CO2, CO3 and CO4	a. Individual Assignment b. Group Assignment c. Quiz d. Mid e. Final Exam	Presentation / written test	10% 20% 20% 30%												
Total				100%												
Forms of media:	Board, LCD Projector, Laptop/Computer															
Literature:	<ol style="list-style-type: none"> Rusgianto H.S. Aljabar .2014. Hand Book. Fuller, Gordon. Algebra and Trigonometry, New York: McGraw-Hill book Company, 1971. Frank Ayres, JR., Theory And Problems Trigonometry, New York : Mc Graw-Hill book Company, 1954. 															

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1		✓										
CO2			✓									
CO3						✓						
CO4							✓					