



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS EDUCATION
PHYSICS PROGRAM

Colombo Street Number 1 Yogyakarta 55281
Telephone (0274)565411 Ext. 217, fax (0274) 548203
Web: <http://fisika.fmipa.uny.ac.id/>, E-mail: fisika@uny.ac.id

Bachelor of Physics

MODULE HANDBOOK

Module name:	Undergraduate Thesis
Module level, if applicable:	Undegraduate
Code:	TAM6801
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	5 th
Module coordinator:	Dr. Supardi, M.Si.
Lecturer(s):	All of lectures at Physics Study Program
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course
Teaching format / class hours per week during the semester:	400 minutes lectures and 480 minutes structured activities per week.
Workload:	Total workload is 364 hours per semester which consists of 400 minutes lectures, 480 minutes structured activities, and 480 minutes individual study per week for 16 weeks.
Credit points:	8 sks (13 ECTS)
Prerequisites course(s):	-
Course Outcomes	After taking this course the students have ability to: CO1. Students are able to create and complete undergraduate theses on Physics topics
Content:	This course is about how to write and complete an undergraduate thesis on the topic of physics
Study / exam achievements:	The final mark will be weight as follow:

	<table border="1"> <thead> <tr> <th data-bbox="613 296 678 359">No</th> <th data-bbox="678 296 786 359">CO</th> <th data-bbox="786 296 1068 359">Assessment Object</th> <th data-bbox="1068 296 1268 359">Assessment Technique</th> <th data-bbox="1268 296 1398 359">Weight</th> </tr> </thead> <tbody> <tr> <td data-bbox="613 359 678 464">1</td> <td data-bbox="678 359 786 464">CO1,</td> <td data-bbox="786 359 1068 464">a. Individual Assignment b. Final Exam</td> <td data-bbox="1068 359 1268 464">Presentation / written test</td> <td data-bbox="1268 359 1398 464">70% 30%</td> </tr> <tr> <td colspan="4" data-bbox="613 464 1268 499">Total</td> <td data-bbox="1268 464 1398 499">100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1,	a. Individual Assignment b. Final Exam	Presentation / written test	70% 30%	Total				100%
No	CO	Assessment Object	Assessment Technique	Weight												
1	CO1,	a. Individual Assignment b. Final Exam	Presentation / written test	70% 30%												
Total				100%												
Forms of media:	Board, LCD Projector, Laptop/Computer, online															
Literature:	References are adjusted to the topic of the undergraduate thesis															

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CO1				√				√
CO2				√				√
CO3				√				√
CO4				√				√

Physics Study Program's PLO

No.	Program Learning Outcome
PLO1	To show personal characters based on social ethics and academic responsibility
PLO2	To master the concepts of classical and modern physics
PLO3	To be able to use mathematical, computational, and experimental methods in understanding physical concepts
PLO4	To use operational knowledge of physics to carry out research in applied physics
PLO5	To analyze physical phenomena using mathematical, computational, and experimental methods to obtain mathematical or empirical models of the phenomena
PLO6	To be able to use instrumentation skills to solve physical problems
PLO7	To be able to communicate and disseminate the knowledge and research in the field of physics
PLO8	To be able to collaborate in scientific and social community