

## MODULE HANDBOOK

Course:	<b>Final Project</b>
Module Level:	Undergraduate
Code:	PNT499
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/Term:	8 <sup>th</sup> / Fourth Year
Module Coordinator:	Prof. Dr. Moh. Yasin (Head of Physics Department)
Lecturer(s):	Lecturers team
Language:	Bahasa Indonesia
Classification within the Curriculum:	Compulsory Course / <del>Elective course</del>
Teaching format/ class hours per week during semester:	6 hours of consultative discussion (50 minutes/hour)
Workload:	6 hours of consultative discussion per week, 6 hours of independent study, 13 weeks per semester and total of 234 hours per semester ~ 7,8 ECTS*
Credit Points:	6
Requirement(s):	(PNT498) Final Project Proposal
Learning Goals/Competencies:	<p><b>General Competence (Knowledge):</b></p> <ol style="list-style-type: none"> <li>1. Able to do research on a specific problem using scientific methods.</li> <li>2. Able to use physics concepts in solving problems.</li> <li>3. Able to solve problems systematically in the allocated time.</li> </ol> <p><b>Specific Competence:</b></p> <ol style="list-style-type: none"> <li>1. Able to work independently</li> <li>2. Able to develop creativity and critical thinking, innovative and demonstrate</li> </ol>
Contents:	Final project and its proposal are integrated courses that introduce research which is related to physics topics for students. Students are required to conduct studies theoretically, experimentally, computationally or develop instrumentation systems under supervisions. As an introduction, the objective of the research is not intended for high novelty.
Soft Skill Attribute:	Discipline and honesty
Study/Exam Achievements:	<p>Students are considered to be competent and passed if at least get 40 of maximum score. The final score is calculated as follow: 50% presentation + 50% final project draft</p> <p>Final grade is defined as follow :</p> <p>A : 75 – 100  AB : 70 - 74.99  B : 65 - 69.99  BC : 60 - 64.99  C : 55 - 59.99  D : 40 - 54.99  E : 0 - 39.99</p>

Forms of Media:	Powerpoints slides, LCD projectors and whiteboards,
Learning Methods:	Discussion and presentation
Literature(s):	Books, scientific journals and other references that are relevant with final project research.
Notes:	*Total ECTS = {(total hours workload × 50 min) / 25 hours Each ECTS is equals with 25 hours.