

MODULE HANDBOOK

Course:	Capita Selecta of Theoretical Physics
Module Level:	Bachelor
Code:	FIT211
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/Term:	4 th / Second Year
Module Coordinator:	Andi Hamim Zaidan M.Si., Ph.D.
Lecture(s):	Andi Hamim Zaidan M.Si., Ph.D. and Febdian Rusydi, Ph.D.
Language:	Bahasa Indonesia
Classification within the Curriculum:	Compulsory Course / Elective Studies
Teaching format/class hours per week during the semester:	2 hours of lectures (50 min/hour)
Workload:	2 hours of lectures, 2 hours of structural activities, 2 hours of individual study, 14 weeks per semester, and total of 84 hours per semester (~2,8 ECTS*)
Credit Points	2
Requirement(s):	-
Learning Goals/Competencies:	<p>General Competence (Knowledge): Understand state of the art of Theoretical Physics</p> <p>Specific Competence:</p> <ol style="list-style-type: none"> 1. Able to understand and analyze recent development in Condensed matter physics. 2. Able to understand and analyze recent development in Molecular physics. 3. Able to understand and analyze recent development in Theoretical physics field.
Contents:	Discuss about special topics of Condensed Matter Physics, Molecular Physics, and the actual development in theoretical Physics field.
Soft Skill Attribute:	Effort and ethic.
Study/Exam Achievement:	<p>Students are considered to be competent and passed if at least get 50% of maximum mark of the midterm test, final examination, quizzes and home work.</p> <p>Final score is calculated as follow: 35% Exam I + 35% Exam II + 20% Homework + 10% Quiz</p> <p>Final index is defined as follow :</p> <p>A : 75 – 100 AB : 70 - 74.99</p>

	B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Learning Methods:	Lectures and assessments
Forms of Media:	Powerpoints slides, LCD projectors and whiteboards.
Literature(s):	Selected books and journals
Notes:	*Total ECTS = $\{(total\ hours\ workload \times 50\ min) / 25\ hours$ Each ECTS is equals with 25 hours.