



MINISTRY OF EDUCATION AND CULTURE
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS

Ketintang Campus, Jalan Ketintang, C3 Building, Surabaya 60231

Website: <http://pendidikan-fisika.fmipa.unesa.ac.id/>, email: s1-pfis@unesa.ac.id

Undergraduate Programme of Physics Education

Module Handbook

Module Name :	<i>Seminar</i> Seminar
Module level :	Bachelor degree/Undergraduate Programme
Course Code :	8420302184
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	Not Applicable
Semester/Term	6/Third Year
Module coordinator(s)	Mita Anggaryani, M.Pd., Ph.D.
Lecturer(s):	All lecturers of UPPE
Language:	<i>Bahasa Indonesia</i>
Classification within the curriculum:	Compulsory/ Elective
Teaching format/class hours per week during the semester:	2 hours of lectures (50 minuter/hour)
Workload :	Lecture: 2 x 50 minutes lectures, 2 x 60 minutes structured activity, 2 x 60 minutes individual activity, 14 weeks per semester. 79.33 total hours per semester ~ 3.18 ECTS**
Credit Point:	2 sks (3.18 ECTS)
Requirements:	



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Learning goals/competencies:	<p>CLO 1: Students are able to apply physics, research methodology, and statistics to solve problems in physics education.</p> <p>CLO 2: Students are able to make decisions based on the results of the analysis of scientific reasoning on problem solving efforts in physics education.</p> <p>CLO 3: Student had master the basic concepts of physics, research methodology, and data analysis techniques to formulate a written idea of the role of physics in solving physics education problems.</p> <p>CLO 4: Students have a responsible attitude in implementing their written ideas in solving problems in physics education.</p>										
Content	<p>Techniques for preparing scientific papers: Understanding scientific work and components of scientific work.</p> <p>Techniques for searching library materials: types of library materials and searching for library sources.</p> <p>Techniques for preparing an introductory section of the research proposal: background problems, problem formulation, research objectives, research benefits, operational definitions, and research assumptions and limitations.</p> <p>Techniques for compiling the literature review section of the research proposal: the study of supporting research theories, relevant research results, and frameworks of thought.</p> <p>The technique of compiling the research methodology part of the research proposal: research objectives, research type, and design, research procedures, and data analysis techniques.</p> <p>Presentation techniques: designing, implementing and evaluating presentation texts.</p>										
Study/exam achievements:	<p>Students are considered to complete the course and pass if they obtain at least 40% of maximum final grade. The final grade (NA) is calculated based on the following ratio:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Assessment Components</th> <th style="text-align: right;">Percentage contribution of</th> </tr> </thead> <tbody> <tr> <td>Participation</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Assignment</td> <td style="text-align: right;">30%</td> </tr> <tr> <td>Mid-semester test</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Final semester test</td> <td style="text-align: right;">30%</td> </tr> </tbody> </table>	Assessment Components	Percentage contribution of	Participation	20%	Assignment	30%	Mid-semester test	20%	Final semester test	30%
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	<p>Grade conversion of 0-100 scale into 0-4 scale is set as below:</p> <table border="1"> <thead> <tr> <th>Letter</th> <th>Number</th> <th>Grade Interval</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4,00</td> <td>$85 \leq A \leq 100$</td> </tr> <tr> <td>A-</td> <td>3,75</td> <td>$80 \leq A- < 85$</td> </tr> <tr> <td>B+</td> <td>3,50</td> <td>$75 \leq B+ < 80$</td> </tr> <tr> <td>B</td> <td>3,00</td> <td>$70 \leq B < 75$</td> </tr> <tr> <td>B-</td> <td>2,75</td> <td>$65 \leq B- < 70$</td> </tr> <tr> <td>C+</td> <td>2,50</td> <td>$60 \leq C+ < 65$</td> </tr> <tr> <td>C</td> <td>2,00</td> <td>$55 \leq C < 60$</td> </tr> <tr> <td>D</td> <td>1,00</td> <td>$40 \leq D < 55$</td> </tr> <tr> <td>E</td> <td>0,00</td> <td>$0 \leq E < 40$</td> </tr> </tbody> </table>	Letter	Number	Grade Interval	A	4,00	$85 \leq A \leq 100$	A-	3,75	$80 \leq A- < 85$	B+	3,50	$75 \leq B+ < 80$	B	3,00	$70 \leq B < 75$	B-	2,75	$65 \leq B- < 70$	C+	2,50	$60 \leq C+ < 65$	C	2,00	$55 \leq C < 60$	D	1,00	$40 \leq D < 55$	E	0,00	$0 \leq E < 40$
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Learning Methods :	Individuals assignment, group assignment, discussion, and presentation																														
Form of Media:	Computer, LCD, White board																														
Literature (primary references):	<p>[1] Tim. 2011. Panduan Penulisan Proposal dan Skripsi Program Studi Pendidikan Kimia. Surabaya: Unesa University Press</p> <p>[2] Tim. 2006. Panduan Penulisan dan Penilaian Skripsi. Surabaya: Unesa University Press</p> <p>[3] Suseno S. 1980. Teknik Penulisan Ilmiah Populer. Jakarta: Gramedia.</p>																														
Notes:	<p>*1 sks in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p> <p>**1 sks = 1,59 ECTS according to Rector Decree of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019</p>																														