



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

Undergraduate Programme of Physics Education

Module Handbook

Module Name :	<i>Physics Edutainment</i> Physics Education									
Module level :	Bachelor degree/Undergraduate Programme									
Course Code :	8420302269									
Abbreviation, if applicable:	-									
Courses included in the module, if applicable:	Not Applicable									
Semester/Term										
Module coordinator(s)										
Lecturer(s):	Abdul Kholiq, S.Pd., MT Mita Anggaryani, Ph.D									
Language:	<i>Bahasa Indonesia</i>									
Classification within the curriculum:	Compulsory / Elective									
Teaching format/class hours per week during the semester:	2 contact hours of lectures (Indonesia credit semester or sks*)									
Workload :	2 x 50 minutes lectures, 2 x 60 minutes structured activity, 2 x 60 minutes individual activity, 14 weeks per semester, 90 total hours per semester ~ 3.18 ECTS**									
Credit Point:	2 sks (3.18 ECTS)									
Requirements:	Digital Lieration Learning Media									
Learning goals/competencies:	<ol style="list-style-type: none"> 1. Examine the basic concepts of edutainment 2. Examine the basic principles of edutainment 3. Examining the edutainment learning approach 4. Studying edutainment learning tools 5. Examining the edutainment approach in learning 6. Designing and developing edutainment physics learning 									
Content	This course is a course that designs and develops a physics learning process that is designed in such a way that educational and entertainment content can be combined harmoniously to create fun physics learning.									
Attribute Soft skill:	Scientific report, public speaking, and team work									
Study/exam achievements:	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: <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Assessment Components</th> <th style="text-align: left;">Percentage of contribution</th> </tr> </thead> <tbody> <tr> <td>Participation</td> <td style="text-align: center;">20%</td> </tr> <tr> <td>Assignment</td> <td style="text-align: center;">30%</td> </tr> <tr> <td>Mid-semester test</td> <td style="text-align: center;">20%</td> </tr> </tbody> </table>		Assessment Components	Percentage of contribution	Participation	20%	Assignment	30%	Mid-semester test	20%
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	Final semester test	30%
Learning Methods :	Student-centered approach, lecture and discussion, and presentations (structured activities)	
Form of Media:	<i>Power Point</i> slides, e-book file, and multimedia.	
Literature (primary references):	<ol style="list-style-type: none">1. Perelman 1988 Fun With Maths and Physics: Brain Teasers Trick and Illusion Moscow: MIR Plubishers.2. Fadlilah M, 2014, Early Childhood Education Edutainment: Creating Interesting, Creative, and Fun Learning. Jakarta: Kencana Prenadamedia Group.	
Notes:	*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. **1 sks = 1,59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019	