MODULE HANDBOOK

Module Name:	General Physics
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	8420203061
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	1/ First year
Module Coordinator(s):	Dr. Utiya Azizah, M.Pd
Lecturer(s):	Team
Language:	Indonesia
Classification within the curriculum:	Compulsory course/ ~~elective studies~~
Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 3 x 170 minutes = 510 minutes = 8.5 hours lectures
Workload:	15 weeks per semester consisting of: ➢ 2.5 hours lectures (3 x 50 minutes) per week, ➢ 3 hours tutorial assignments (3 x 60 minutes) per week, ➢ 3 hours individual study (3 x 60 minutes) per week, Total workload : 14x3x170 minutes = 7,140 minutes = 4.76 ECTS*
Credit Point:	3
Requirements:	-
Learning Goals:	**Social and Attitude** CLO-1 Solve physics basic concepts such as vectors, particle kinematics, particle dynamics, fluids, thermophysics, optics, static and dynamics electricity. CLO-2 Implement mathematics to solve physics problems.

<table>
<tr><td>Content:</td><td>The concepts and principles / laws of measurement, kinematics, dynamics, temperature, heat, and heat transfer.</td></tr>
<tr><td>Study/exam achievements</td><td>

Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C.
Final score is calculated as follows:
20% midterm exam + 30% assignments + 20% participation + 30% final exam
Final index is defined as follow:

<table>
<tr><th>Index</th><th>Converted Score</th><th>Score Range</th></tr>
<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>
</table>
</td></tr>
<tr><td>Forms of Media</td><td>Slides and LCD projectors, whiteboard</td></tr>
<tr><td>Literature</td><td>

Giancoli, Douglas. 2016. Physics: Principles with Applications II Global Edition. California: AddisonWesley.
Halliday & Resnick. 2013. Fundamental of Physics, 10th Edition. John Wiley & Sons Inc. Young, Hugh D., Freedman, Roger A., Ford
Albert Lewis. 2016. Sears and Zemansky's University Physics: With Modern Physics. Pearson.

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<tr><td>Note</td><td>*Total hours per 1 credit in 1 semester={(1 credit x 170 minutes x 14 weeks)/60 minutes}=39.67 hours.</td></tr>
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	Each ECTS equals with 25 hours therefore 1 credit in 1 semester equals 1.59 ECTS.