



**Universitas Negeri Surabaya**  
**Faculty of Mathematics and Natural Sciences**  
**Undergraduate Physics Study Program**

Document Code

**SEMESTER LEARNING PLAN**

<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>			<b>SEMESTER</b>	<b>Compilation Date</b>																																
English for Physics	4520103267		T=3	P=0	ECTS=4.77	2	July 17, 2024																																
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																																	
	.....		.....			Prof. Dr. Munasir, S.Si., M.Si.																																	
<b>Learning model</b>	<b>Project Based Learning</b>																																						
<b>Program Learning Outcomes (PLO)</b>	<b>PLO study program that is charged to the course</b>																																						
	<b>PLO-7</b>	Communicate their ideas and/or research results in academic writing and speaking effectively.																																					
	<b>PLO-12</b>	Have the ability to improve their knowledge and be able to continue their studies to a higher level.																																					
	<b>Program Objectives (PO)</b>																																						
	<b>PLO-PO Matrix</b>																																						
		<table border="1" style="margin: auto;"> <tr> <td style="width: 20%;">P.O</td> <td style="width: 20%;">PLO-7</td> <td style="width: 20%;">PLO-12</td> <td colspan="4"></td> </tr> </table>						P.O	PLO-7	PLO-12																													
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<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																																							
	<table border="1" style="margin: auto;"> <tr> <td rowspan="2" style="width: 10%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 5%;">1</td> <td style="width: 5%;">2</td> <td style="width: 5%;">3</td> <td style="width: 5%;">4</td> <td style="width: 5%;">5</td> <td style="width: 5%;">6</td> <td style="width: 5%;">7</td> <td style="width: 5%;">8</td> <td style="width: 5%;">9</td> <td style="width: 5%;">10</td> <td style="width: 5%;">11</td> <td style="width: 5%;">12</td> <td style="width: 5%;">13</td> <td style="width: 5%;">14</td> <td style="width: 5%;">15</td> <td style="width: 5%;">16</td> </tr> </table>						P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																							
<b>Short Course Description</b>	This course equips students with skills and language components at a basic (pre-intermediate) level which are very necessary to support an English-based understanding of Physics literacy. This course also introduces a standardized test which includes training in reading skills, listening comprehension and grammar and vocabulary which are aimed at preparing for the international standard English test. All lecture activities will be presented by means of lectures and discussions.																																						
<b>References</b>	<b>Main :</b>																																						
	<ol style="list-style-type: none"> <li>1. Sharpe, Pamela. J. 2003. How to prepare for the TOEFL. Barron 19s Educational Series. NY</li> <li>2. Official Guide to the TOEFL Test With CD-ROM, 4th Edition (Official Guide to the Toefl Ibt). McGraw-Hill. USA. 4. Phillips, Deborah. 2001. Longman Introductory Course for the TOEFL Test: iBT, 2nd ed. Pearson Education. NY</li> <li>3. Worcester, Adam, et al. 2008. Building Skill for the TOEFL iBT: Beginning. Compass Publishing.</li> <li>4. Cullen, Pauline, et al. 2014. The Official Cambridge Guide to IELTS Students Book With Answers with DVD-ROM. Oxford University Press.</li> <li>5. Parthare, Emma; Parthare, Gary; May, Peter. 2013. Headway Academic Skills IELTS Study Skills Edition: Level 1 Students Book. Oxford University Press. 8. Loughed, Lin. 2007. Longman Preparation Series for the TOEIC Test: Listening and Reading, 5th Edition. Pearson Education. NY</li> </ol>																																						
	<b>Supporters:</b>																																						
<b>Supporting lecturer</b>	Dr. Frida Ulfah Ermawati, M.Sc. Endah Rahmawati, S.T., M.Si. Dr. Eng. Evi Suaebah, M.Si., M.Sc. Arie Realita, M.Si. Dr. Muhimmatul Khoiro, S. Si. Muhammad Nurul Fahmi, S.Si., M.Si.																																						

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [ Estimated time]		Learning materials [ References ]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline ( offline )	Online ( online )		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Able to understand Physics material in English by applying reading skills.	- Find the main idea in the reading "The Forces of Nature" - Able to read data tables, graphs and diagrams in the reading material "The Forces of Nature"		Offline: Form: literacy Method: collaborative learning Assignment: Independent Online: Share: - Discussion topic - Relevant web/journal information Assignment 3 X 50			0%
2	Able to understand Physics material in English by applying reading skills.	- Explain the concept of energy explained in the "energy" reading material - Able to read tables, graphs and diagrams in the "energy" reading material		collaborative learning 3 X 50			0%
3	Able to understand Physics material in English by applying listening skills.	- Able to write mathematical symbols and numbers, as well as formulas in Physics correctly. - Able to write special terms in Physics material with correct spelling.		collaborative learning 3 X 50			0%
4	Able to understand Physics material in English by applying listening skills.	- Make notes from the material "Heat and Radiation" - Explain the concept of heat and radiation again after listening to the material.		collaborative learning 3 X 50			0%
5	Able to communicate opinions orally (speaking) using good and correct English structures.	- Able to use correct sentence structure.		Small Group Discussion 3 X 50			0%
6	Able to communicate opinions orally (speaking) using good and correct English structures.	- Able to explain verbally the three forms of substances. - Able to give examples of changes in the forms of substances in English.		Small Group Discussion 3 X 50			0%

7	Able to communicate opinions orally (speaking) using good and correct English structures.	- Designing experimental activities related to three forms of substances - Presenting the results of experimental activities in English.		collaborative learning 3 X 50			0%
8	Midterm Evaluation / Midterm Exam	Midterm Evaluation / Midterm Exam		Midterm Evaluation / Midterm Exam 3 X 50			0%
9	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	- Make a summary of the reading "The Earth's climate and climate change"		Small Group Discussion 3 X 50			0%
10	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	- Understand the characteristics of descriptive papers - Understand the characteristics of argumentative papers - Understand the characteristics of persuasive papers		collaborative learning 3 X 50			0%
11	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	Make a paraphrasing of a quote taken from the reading "Sound and noise"		Small Group Discussion 3 X 50			0%
12	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	- Designing experimental activities on the topic of sound		collaborative learning 3 X 50			0%
13	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	Able to write argumentative papers on Physics and Environmental topics		collaborative learning 3 X 50			0%
14	Able to communicate ideas or concepts in writing (writing) using good and correct English structures.	Able to write argumentative papers on Physics and Environmental topics		collaborative learning 3 X 50			0%
15	Able to communicate ideas or thoughts orally (speaking) using good and correct English structures.	Presenting a poster on the topic of Physics and the Environment based on a paper that has been written.		collaborative learning 3 X 50			0%
16							0%

**Evaluation Percentage Recap: Project Based Learning**

No	Evaluation	Percentage
		0%

## Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.