

**Philosophy of Science**

**according to the ECTS User’s Guide 2015**

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| Course unit title |  Philosophy of Science |
| Course unit code |  47250232 |
| Type of course unit (compulsory, optional) |  Compulsory |
| Level of course unit (according to EQF: first cycle Bachelor, second cycle Master) |  Bachelor Degree  |
| Year of study when the course unit is delivered(if applicable) |  1st year |
| Semester/trimester when the course unit is delivered |  2nd semester |
| Number of ECTS credits allocated |  3 ECTS |
| Name of lecturer(s) |  Rihlah Nur Amalia, M.A. |
| Learning outcomes of the course unit |  After taking this course, student able to:1. Students are able to analyze the concept of understanding the Science Philosophy
2. Students are able to analyze the dimensions of the study of Science Philosophy
3. Students are able to develop and apply the concept of Science Philosophy
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| Mode of delivery (face-to-face, distance learning) |  Face-to-face, Distance learning  |
| Prerequisites and co-requisites (if applicable) |  Introduction to Learning and Learning Theory Introduction to Student Development Introduction to Education Insights Introduction to Foundations of Education |
| Course content | 1. The definition of philosophy to the field of study of philosophy
2. Schools/schools in philosophy to the interweaving of science, philosophy and religion
3. Definition of philosophy of science
4. Philosophy of science and history of philosophy of science.
5. The function and direction of the philosophy of science.
6. The substance of the philosophy of science
7. Confirmation and inference logic
8. Review the construction of the theory
9. Mid Term Examination
10. Dimensions of the study of the philosophy of science: Ontology
11. Dimensions of the study of the philosophy of science: Epistemology
12. Dimensions of the study of the philosophy of science: Axiology
13. Development of theory and alternative methodologies
14. Development of science and technology and the functional relationship of religion, philosophy and science
15. Implications and implementation of the philosophy of science in development and science and education.
16. Final Examination
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| Recommended or requiredreading and other learning resources/tools | * Books and journals related to the philosophy of science
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| Planned learning activities and teaching methods |  Teaching large group, demonstrating in practical classes |
| Language of instruction |  Arabic, Indonesian |
| Assessment methods and criteria |  Performance, Product, Practice1. Components and assessment weight in percentage:
2. Attitude 10 %
3. General skills 30 %
4. Special skills 30%
5. Knowledge 30%
6. Assessment strategy:
7. Midterm exam & Final exams.
8. Non-test (Group presentation & Attendance).

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| **Assessment Strategy** | **Attitude** | **General Skills** | **Special skill** | **Knowledge** |
| ***Achievement test*** | **○** | **◑** | **●** | **●** |
| **Performance assessment** | **◑** | **●** | **●** | **●** |
| **Portofolio** | **◑** | **●** | **◑** | **◑** |
| **Observation**  | **●** | **◑** | **◑** | **◑** |
| **Survey** | **●** | **◑** | **○** | **○** |

○ Not used in assessment◑ Sometimes used in certain assessment cases● Often used to assess the skill in question- Attitude (including 21st Century Skills according to the categorization of the Minister of Education and Culture: Communication, Collaboration, Critical thinking, Creative thinking, Computational logic, Compassion and civic responsibility)- General Skills (Covering 21st Century Skills and Digital Literacy)- The assessment strategy is adjusted to the activities carried out by students in the course.2. Instruments: multiple choice questions on the quiziz application3. Assessment criteriaStudents are categorized as passing this course if they have a minimum final grade of C based on the following range of assessments:

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| **Mastery Level (%)** | **Letter** | **Number** | **Information** |
| 86 – 100 | A | 4,0 | Pass |
| 81 – 85 | A- | 3,7 | Pass |
| 76 – 80 | B+ | 3,3 | Pass |
| 71 – 75 | B | 3,0 | Pass |
| 66 – 70 | B- | 2,7 | Pass |
| 61 – 65 | C+ | 2,3 | Pass |
| 56 – 60 | C | 2,0 | Pass |
| 51 – 55 | C- | 1,7 | Not Graduated |
| 46 – 50 | D | 1,0 | Not Graduated |
| 0 – 45 | E | 0,0 | Not Graduated |

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