

## Module Description

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| <b>Module title</b>                        | Course Module of Scientific Article Writing Technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Persons responsible for each module</b> | Dr. Iwan Sugihartono, M.Si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Teaching Methods</b>                    | <p>Teaching methods used in this course are:</p> <ul style="list-style-type: none"> <li>- Lecture (i.e., group investigation, small group discussion, case study, and video-based learning)</li> <li>- Structured assignments (i.e., essays and case study)</li> </ul> <p>The class size for lecture is 20 students.<br/>Contact hours for lecture is 26.67 hours, assignments are 64 hours, and privat study is 64 hours.</p>                                                                                                                                                                                                                                                                                                   |
| <b>Credits and Workload</b>                | <p>Credit points :<br/>5.2 ECTS</p> <p>For this course, students required to meet a minimum of 154.67 hours in one semester, which consist of:<br/>26.67 hours for lecture,<br/>64 hours for structured assignments,<br/>64 hours for private study</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Intended Learning Outcomes</b>          | <p>PLO 2 Master advanced knowledge of classical physics and modern physics</p> <p>PLO 3 Able to design innovative physics learning in accordance with the demands of the curriculum by using appropriate evaluation and assessment techniques</p> <p>PLO 7 Able to carry out scientific research in the field of physics education based on scientific methodology, logical, critical, systematic, and creative thinking.</p> <p>PLO 8 Able to produce scientific articles that have novelty, and publish them in accredited national scientific journals, proceedings of international seminars, or international journals</p>                                                                                                  |
| <b>Module Content</b>                      | <p><b>Students will learn about:</b></p> <p>This course aims to provide knowledge and practical experience in writing scientific articles in a structured and comprehensive manner, starting from the preparation of article writing to the publication process in reputable journals both nationally and internationally. This lecture will discuss, among others, the principles and planning of scientific publications; scientific article design and structure; use of grammar, spelling, and writing numbers; processing of images, tables and graphs; reference writing; code of ethics for scientific writing and publication; techniques for selecting reputable journals; and journal publication process. In this</p> |

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|                                                                                         | <p>course, students will be guided to write drafts of scientific articles according to their research themes as outputs and will be reviewed by lecturers as part of the learning process. To provide direct experience to students, lectures will be carried out using a case- and project-based learning approach. It is hoped that the practical experience in these lectures will assist students in increasing their knowledge, professionalism in quality research so that it is beneficial to society and science.</p> |
| <p><b>Admission and examination requirements</b></p>                                    | <p><b>Admission and examination requirements:</b></p> <ul style="list-style-type: none"> <li>- Students must attend 15 minutes before the class starts.</li> <li>- Students must switch off all electronic devices.</li> <li>- Students must inform the lecturer if they will not attend the class due to sickness, etc.</li> <li>- Students must submit all class assignments before the deadline.</li> <li>- Students must attend the exam to get final grade.</li> </ul>                                                   |
| <p><b>Forms of exams and details explaining how to the module mark is calculate</b></p> | <p><b>Form of examination:</b><br/>Project, Presentation, and Written Exam</p> <p><b>Form of Assessment:</b><br/>Assessment of the learning process follows the following components: attendance 5%; assignments and presentations 30%; mid-test 30%, and final-test 35%.</p>                                                                                                                                                                                                                                                 |
| <p><b>Recommended Literature</b></p>                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>Date of Last Amendment</b></p>                                                    | <p>June, 12<sup>th</sup> 2018</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |