



UNIVERSITAS NEGERI YOGYAKARTA
POSTGRADUATE DEPARTMENT OF ELECTRONICS AND
INFORMATICS ENGINEERING EDUCATION

Jalan Colombo Nomor 1 Yogyakarta 55281
 Telepon: (0274) 586168 Pesawat 216, 289, 292; Fax. (0274) 586734
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Master of Education in Electronics and Informatics Engineering

MODULE HANDBOOK

Module name:	Writing Scientific Paper
Module level, if applicable:	Postgraduate
Code:	PTI 8208
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	3 th
Module coordinator:	Dr. phil. Ir. Mashoedah, S.Pd., M.T.
Lecturer(s):	Dr. phil. Ir. Mashoedah, S.Pd., M.T.
Language:	English
Classification within the curriculum:	Expertise Courses (EC)
Teaching format / class Hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week; (2) Field work; (3) 150 minutes lectures and 180 minutes structured activities per week
Workload:	Total workload is 136hours per semester, consists of works 5hours/day in26weekdaysand 6 hours for writing the report; (2) Total workload is 90,67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes self-study per week for 16 weeks
Credit points:	2
Prerequisites course(s):	-
Course Learning Outcome (CLO):	After taking this course the students have ability to: <ol style="list-style-type: none"> 1. Able to search international journal based on indexer database (DOAJ, Scopus and Thompson); 2. Able to find out a research topic; 3. Able to write a research manuscript; 4. Able to analyze a result of study; 5. Able to write a cover letter; 6. Able to submit a manuscript to international journal and /or international conference;
Content	This course aims to provide knowledge and skills about writing scientific papers. The material in this course is prioritized on writing articles in journals and / or international conferences indexed by SCOPUS / WEB OF SCIENCE (WoS). The material / topics in this course include: <ol style="list-style-type: none"> 1) Introduction to courses; 2) OrchiD ID and Scopus ID 3) Looking for suitable international journals, 4) Choosing a research topic; 5) Tricks and tips for writing journal article manuscripts;



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	6) Write a title, abstract, and keywords; 7) Write an introduction; 8) Writing content sections of international journals using the Introduction, Method, Results, and Discussion (IMRAD) structure; 9) Perform analysis of research results; 10) Writing the analysis and discussion sections; 11) Writing a Cover Letter; 12) Select and submit to international journals																				
Study/exam achievements:	<p>Learning assessment is carried out based on the predetermined course learning outcomes. At least one item in the assessment measures the predetermined course outcome. Several types of assessment are used in this course, such as observation, performance tests, work results / products and portfolios.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">No</th> <th style="width: 20%;">CLO</th> <th style="width: 25%;">Assessment Object</th> <th style="width: 20%;">Assessment Technique</th> <th style="width: 10%;">Weight</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>CLO1, CLO2, CLO4, CLO5</td> <td style="text-align: center;">Scientific Papers</td> <td style="text-align: center;">Assignment</td> <td style="text-align: center;">60%</td> </tr> <tr> <td style="text-align: center;">2</td> <td>CLO2, CLO4, CLO5</td> <td style="text-align: center;">Presentation</td> <td style="text-align: center;">Assignment</td> <td style="text-align: center;">30%</td> </tr> <tr> <td style="text-align: center;">3</td> <td>CLO5, CLO6</td> <td style="text-align: center;">Scientific Papers</td> <td style="text-align: center;">Performance test, portfolio</td> <td style="text-align: center;">10%</td> </tr> </tbody> </table>	No	CLO	Assessment Object	Assessment Technique	Weight	1	CLO1, CLO2, CLO4, CLO5	Scientific Papers	Assignment	60%	2	CLO2, CLO4, CLO5	Presentation	Assignment	30%	3	CLO5, CLO6	Scientific Papers	Performance test, portfolio	10%
No	CLO	Assessment Object	Assessment Technique	Weight																	
1	CLO1, CLO2, CLO4, CLO5	Scientific Papers	Assignment	60%																	
2	CLO2, CLO4, CLO5	Presentation	Assignment	30%																	
3	CLO5, CLO6	Scientific Papers	Performance test, portfolio	10%																	

Forms of media:	Video, Youtube, Power Point
Literature	<ol style="list-style-type: none"> 1) A. Shaikh, (2017). Seven steps to publishing in a scientific journal, Elsevier. Available in https://www.elsevier.com/connect/7-steps-to-publishing-in-a-scientific-journal; 2) D. Le, (2015). How to write an English paper," Publishing workshop, Hanoi.; 3) H. Kim, (2015).How to index journal in Scopus & WoS, The 2nd Asian Science Editors™ Conference and Workshop, Hanoi Univ. of Sci. and Tech., Vietnam.;



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	<p>4) Michael Williams, Kevin Mullane and Michael J. Curtis,(2018). Research in the Biomedical Sciences: Reporting Results, Elsevier. DOI:10.1016/C2015-0-02187-6.;</p> <p>5) Michael Williams, Kevin Mullane and Michael J. Curtis,(2018). Research in the Biomedical Sciences: Peer Review, Impact Factors, Checklists, Guidelines, and Reproducibility Initiatives, Elsevier. DOI:10.1016/C2015-0-02187-6;</p> <p>6) Springer, (2016). Publishing Your Research: Writing a scientific paper and submitting to the right journal.;</p> <p>7) Wallace S., (2011). How To Write and Submit An Academic Paper in 18 Weeks, revised 4th Edition, A Textbook for Taiwanese Academic Writers., Wallace Academic publishing.;</p>
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PLO and CLO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CLO1				✓	✓	✓	✓	✓	✓	✓
CLO2				✓	✓	✓	✓	✓	✓	✓
CLO3				✓	✓	✓	✓	✓	✓	✓
CLO4				✓	✓	✓	✓	✓	✓	✓
CLO5				✓	✓	✓	✓	✓	✓	✓
CLO6				✓	✓	✓	✓	✓	✓	✓