



UNIVERSITAS NEGERI YOGYAKARTA
POSTGRADUATE PROGRAM DEPARTMENT OF
ELECTRONICS AND INFORMATICS ENGINEERING
EDUCATION

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**Master of Education in Electronics and Informatics
Engineering**

MODULE HANDBOOK

Module name:	Metodologi Penelitian Pendidikan (Educational Research Methodology)
Module level, if applicable:	Postgraduate
Code:	PPS 8304
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	1 st
Module coordinator:	Dr. Dra. Sri Waluyanti, M.Pd.
Lecturer(s):	Dr. Dra. Sri Waluyanti, M.Pd.
Language:	English
Classification within the curriculum:	Expertise Foundation Courses
Teaching format / class Hours per week during the semester:	150 minutes lectures and 180 minutes structured activities per week.
Workload:	Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks
Creditpoints:	3
Prerequisites course(s):	-
Course outcomes:	After taking this course the students have ability to: CO1. Develop research designs to creatively solve educational problems based on Electronic and Informatics Engineering CO2. Able to develop research-based learning tools CO3. Able to make recommendations for improving the quality of education based on research results CO4. Able to carry out collaboration research designs synergistically

	<p>CO5. Able to utilize SPSS data analysis software</p> <p>CO6. Able to communicate and disseminate research results orally and in writing</p>																									
Content:	<p>Content consist of: Research design procedures, Sampling technique, Compilation of data collection instruments, Analyze the validity and reliability of the instrument, Data analysis using the SPSS program, review journals, Journal preparation.</p>																									
Study/exam achievements:	<p>The Educational Research Methodology course has a weight of 2 credits, equipping students' abilities to design, conduct, and evaluate research results in the field of education. The final mark will be weight as follow:</p> <table border="1" data-bbox="613 705 1406 1129"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO1 CO2 CO3 CO5</td> <td>Scientific paper</td> <td>Assignment</td> <td>65%</td> </tr> <tr> <td>2</td> <td>CO4</td> <td>Collaborative skills</td> <td>Observation</td> <td>10%</td> </tr> <tr> <td>3</td> <td>CO6</td> <td>Presentation of Scientific paper</td> <td>Presentation</td> <td>25%</td> </tr> <tr> <td colspan="4" style="text-align: right;">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1 CO2 CO3 CO5	Scientific paper	Assignment	65%	2	CO4	Collaborative skills	Observation	10%	3	CO6	Presentation of Scientific paper	Presentation	25%	Total				100%
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Total				100%																						
Forms of media:	LCD Projector, Laptop / Computer, White Board																									
Literature:	<ol style="list-style-type: none"> 1. Creswell, J.W. (2012). Educational research, planning, conducting and evaluating quantitative and qualitative research, fourth edition. Boston: Pearson Education. 2. Cohen et al. (2007). Research methods in education six edition. www.eBookstore.tandf.co.uk. 3. McMillan, J.H. (1996). Educational Research Fundamentals for the Consumer second edition. New York: HarperCollins CollegePublishers.. 4. NSF. (2013). Common Guidelines for Education Research and Development. US: National Research Council. 5. Depdiknas. (2008). Pendekatan, jenis dan metode penelitian pendidikan. Jakarta: Dirjen PMPTK. 6. Klete, K. (2020). Mixed methods in Educational research report from the March seminar 2020. Oslo: The Research Council of Norway. 7. Landan, S. and Everitt.BS. (2002) A handbokk of statistical analyses using SPSS. London: Chapman & Hall/CRC. 8. Ary, D. et al. (2010). Education research in education 8th edition. www.engage.com/permissions 9. Zawacki-Richter, O., Kerres, M., Bedenlier, S., Bond, M., & Buntins, K. 2020. Systematic Reviews in Educational 																									

