

Module designation	Statistics for Educational Research
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6403
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Odd/Spring Term
Person responsible for the module	Vita Ria Mustikasari, S.Pd., M.Pd
Lecturer	Vita Ria Mustikasari, S.Pd., M.Pd
Language	Bahasa Indonesia
Relation to curriculum	Compulsory, 5 <sup>th</sup> semester.
Type of teaching, contact hours	Guided-Inquiry, Presentation, Direct Instruction: 3 x 50 = 150 minutes. Laboratory Work: 1 x 170 = 170 minutes
Workload	<ol style="list-style-type: none"> <li>1. Class Activities: 3 x 50 = 150 minutes (2.5 hours) per week.</li> <li>2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week.</li> <li>3. Private study: 3 x 60 = 180 minutes (3 hours) per week.</li> <li>4. Laboratory Work: 1 x 170 minutes = 170 minutes (2.83 hours) per week.</li> </ol>
Credit points	4 credit points (~6.35 ECTS cr-eq)
Requirements according to the examination regulations	Minimum of attendance is 80% for a semester
Recommended prerequisites	PIPAUM6202 – Basic Physics II
Module objectives/intended learning outcomes	<p>After completing this module, students are expected to:</p> <p>LO 2: master basic physics knowledge and earth science using the Nature of Science (NOS) along with logical, critical, systematical, and innovative thinking in team collaboration using local potential and information technology development.</p>
Content	This course covers the following three main topics: 1) Mechanics Wave, 2) Optics, and 3) Electromagnetic Wave
Study and examination requirements and forms of	Assignment, Quiz, Midterm, Final Examination, Oral Test, Performance

examination	
Media employed	Slide Show, Video, White Board, Moodle (SIPEJAR), and Laboratory Instruments
Reading list	<ol style="list-style-type: none"> <li>1. Creswell, J. W. &amp; Clark, V. L. P. 2010. <i>Designing and Conducting Mixed Methods Research</i>. New York: Sage Publications, Inc.</li> <li>2. Creswell, John. 2012. <i>Educational Research - Planning, Conducting, and Evaluating Quantitative and Qualitative Research</i>. New York: National Academic Press.</li> <li>3. Holly, M. L. 2005. <i>Action Research for Teachers: Traveling the Yellow Brick Road</i>. New York: Prentice Hall.</li> <li>4. Lammers, W. J. &amp; Badia, P. 2004. <i>Fundamentals of Behavioral Research (with InfoTrac)</i> (1<sup>st</sup> edition). New York: Wadsworth Publishing.</li> <li>5. Mertler, C. A. &amp; Charles, C. M. 2010. <i>Introduction to Educational Research</i> (7<sup>th</sup> edition). New York: Prentice Hall.</li> </ol>
Date of last amendment made	May, 2020