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Module designation	Development of Assesment Instrument
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6410
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Even/Autumn Term
Person responsible for the module	Sugiyanto, S.Pd, M.Si
Lecturer	Sugiyanto, S.Pd, M.Si
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, elective, 6 th semester.
Type of teaching, contact hours	Lecture/instructional and discussion, output project, 150 minutes per lecture per week
Workload	<ol style="list-style-type: none"> 1. Lectures: 3 x 50 = 150 minutes (2.5 hours) per week. 2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week. 3. Independent Study: 3 x 60 = 180 minutes (3 hours) per week.
Credit points	3 credit points (~4.76 ECTS-eq).
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Recommended prerequisites	PIPAUM6402- Science Education Assessment
Module objectives/intended learning outcomes	<p>After completing this module, students are expected to:</p> <p>LO 6: master developmental psychology and learning theories to design, implement, and evaluate innovative and productive science learning oriented to develop students' capability and adaptability towards curriculum, technology, and environmental changes along with the upholding of social sensitivity, cultural, view, and religious diversity.</p>
Content	<ol style="list-style-type: none"> 1. Critical thinking questions 2. HOT questions 3. Science literation questions 4. Scientific reasoning questions

	<ul style="list-style-type: none"> 5. Creativity questions 6. Diagnostic tests 7. Research instruments
Study and examination requirements and forms of examination	Project Report, Middle Semester Exam, and Semester Exam
Media employed	LCD, blackboard, moocs websites, UM e-learning system (Sipejar)
Reading list	Lawson, A. E. 2010. Teaching Inquiry Science in Middle and Secondary Schools. US of America: SAGE
Date of last amendment made	May, 2020