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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 |
| Person responsible for the module |  |
| Lecturer | Sugiyanto, S.Pd, M.Si |
| Language | Bahasa Indonesia |
| Relation to curriculum | Undergraduate degree program, elective, 6th semester. |
| Type of teaching, contact hours | Lecture/instructional and discussion, output project, 150 minutes per lecture per week |
| Workload | 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 75% of the lectures to sit in the exams. |
| Recommended prerequisites | PIPAUM6402- Science Education Assessment |
| Module objectives/intended learning outcomes | After completing this module, a student is expected to:  LO6 Design, implement, and evaluate innovative and productive science learning based on developmental psychology and learning theories |
| Content | 1. Critical thinking questions 2. HOT questions 3. Science literation questions 4. Scientific reasoning questions 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. T eaching Inquiry Science in Middle and Secondary Schools. US of America: SAGE |