

Module designation	Junior High School Science Subject Matter
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6606
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Even/Autumn Term
Person responsible for the module	Isnanik Juni Fitriyah, S.Pd., M.Si.
Lecturer	Isnanik Juni Fitriyah, S.Pd.,M.Si., Vita Ria Mustikasari, S.Pd., M.Pd.
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, elective, 7 th semester.
Type of teaching, contact hours	Direct instruction for lectures, cooperative learning for making paper, 100 minutes for lectures.
Workload	<ol style="list-style-type: none"> 1. Lectures: 2 x 50 = 100 minutes (1.6 hours) per week. 2. Exercises and Assignments: 2 x 60 = 120 minutes (2 hours) per week. 3. Private study: 2 x 60 = 120 minutes (2 hours) per week.
Credit points	2 credit points (~3.17 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	Analyze and communicate science phenomena in an integrated manner to solve problems.
Module objectives/intended learning outcomes	<p>After completing this module, students are expected to:</p> <p>LO 7: analyze science learning problems and mastering learning diagnostic tools, methods, and data analysis using information technology in science education research and communicate the result based on scientific principles using the transdisciplinary approach.</p>
Content	<ol style="list-style-type: none"> 1. Curriculum analysis 2. Learning design; IPKD, demonstration/simulation/

	<p>experiment</p> <p>3. Design of teaching materials; concept maps, phenomena according to basic competency, teaching materials.</p> <p>The topics on the subject are focused to the following subtopics:</p> <ol style="list-style-type: none"> 1. The basic concept of science 2. Misconceptions of Science 3. Concept maps 4. Phenomena according to KD 5. IPKD 6. Innovative teaching materials
Study and examination requirements and forms of examination	Assesment of student learning achievement by accessing daily assignments, class discussions, papers, portofolio, quiz.
Media employed	Whiteboard, power point, youtube, sipejar.
Reading list	<ol style="list-style-type: none"> 1. Borgford, C., Cuevas, M. & Dumas, L. 2007. <i>Physical Science</i>. New York: Holt, rinehart and Winston. 2. Buku IPA SMP yang relevan. 3. Hewitt, P. G., Suchocki, J. A. & Hewitt L. A. 2011. <i>Conceptual Physical Science (5th Edition)</i>. New York: Addison-Wesley/ Pearson. 4. Lynda Pennell, L. (Editor). 2007. <i>Life Science</i>. New Hampshire: CPO Science. 5. Purves, Sadava, Orians & Heller. 2004. <i>Life the Science of Biology (7th edition)</i>. Sunderland: Sinauer Associates Inc., W.H. Freeman and Company. 6. Sadava, D., Heller, H.C., Orians, G.H., Purves, W.K. & Hillis, D.M. 2008. <i>Life the Science of Biology Eight Edition</i>. New York: Sinauer Associates, Inc.
Date of last amendment made	May, 2020