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Module designation	Biophysics
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6603
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Odd/Spring Term
Person responsible for the module	Yessi Affriyenni, S.Pd, M.Sc.
Lecturer	Yessi Affriyenni, S.Pd, M.Sc.; Vita Ria Mustikasari, S.Pd, M.Pd; Novida Pratiwi, S.Si, M.Sc.
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, compulsory, 5th semester.
Type of teaching, contact hours	Cooperative Learning, Project-based Learning
Workload	1. Lectures: 2x 50 = 100 minutes (1.67 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	Basic Physics II, Basic Biology II
Module objectives/intended learning outcomes	After completing this module, students are expected to: 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.
Content	(1) Biomechanics, (2) Biofluida, (3) Bioenergetika, (4) Bioelectric on human and animals, (5) Application of mechanical and electromagnetic waves on human, (6) Bioradiation, (7) Biooptics on human and animals.

Study and examination requirements and forms of examination	Mid-term examination and product
Media employed	LCD, websites, SIPEJAR
Reading list	<ol style="list-style-type: none"> <li>1. Davidovits, P. 2012. <i>Physics in Biology and Medicine. Complementary Science</i> (4<sup>th</sup> edition). Boston: Academic Press.</li> <li>2. Ewen, D., Schurter, N. &amp; Gundersen, P. E. 2012. <i>Applied Physics</i>. New York: Pearson Education, Inc.</li> <li>3. Herman, I.P. 2008. <i>Physics of the Human Body</i>. New York: Springer</li> </ol>
Date of last amendment made	May, 2020