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Module designation	Astronomy
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6206
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Even/Autumn Term
Person responsible for the module	Agung Mulyo Setiawan, S.Pd, M.Si
Lecturer	Agung Mulyo Setiawan, S.Pd, M.Si; Drs. Sutrisno, MT
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, elective, 4th or 8 th semester.
Type of teaching, contact hours	Cooperative Learning, 100 minutes
Workload	1. Lectures: 2 x 50 = 100 minutes (1,67 hours) per week 2. Exercise and Assignments: 2 x 60 minutes = 120 minutes (2 hours) per week 3. Private Study: 2 x 60 minutes = 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	-
Module objectives/intended learning outcomes	After completing this module, students are expected to: LO1: master basic biology knowledge using the Nature of Science (NOS) along with logical, critical, systematical, and innovative thinking in team collaboration using local potential and information technology development.
Content	1) History & Development of Astronomy; 2) Time and Calendar according to Astronomy; 3) Falakiyah; 4) Astronomical Coordinate System; 5) Systems, types, and working principles of telescopes
Study and examination requirements and forms of	Presentation, Middle Exam, and Final Exam

examination	
Media employed	Cybersky & Stellarium Software, Power Point, Platform Youtube, Moodle (SIPEJAR)
Reading list	<ol style="list-style-type: none"> 1. Feather, Ralph M, and Dinah Z, 2005, Astronomy, USA: Glencoe/McGraw-Hill 2. Kutner, Marc L, 2003, Astronomy: Physical Perspective, New York: Cambridge University Press 3. Karttunen H, Krögen P, et al, 2003, Fundamental Astronomy fifth Edition, New York: Springer 4. Sutrisno, 2016, Introduction of Astronomy, Malang, Department of Physics FMIPA UM 5. Daeng AS, 2014, Geoscience and Astronomy, Science Education Study Program, FMIPA UM
Date of last amendment made	May, 2020