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| Module designation | Oceanography |
| Module level, if applicable | Undergraduate |
| Code, if applicable | PIPAUM6608 |
| Subtitle, if applicable | *-* |
| Courses, if applicable | *-* |
| Semester(s) in which the module is taught | Even |
| Person responsible for the module |  |
| Lecturer | Indra Fardhani, S.Pd., M.I.L., M.Sc., Ph.D. |
| Language | Bahasa Indonesia |
| Relation to curriculum | 1. Undergraduate degree program, elective, 6th semester. 2. Undergraduate degree *Merdeka Belajar* (freedom to learn) program, elective, 6th semester |
| Type of teaching, contact hours | Lecture/instructional and discussion, guided inquiry, 100 minutes per lecture per week |
| 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. Independent 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 75% of the lectures to sit in the exams. |
| Recommended prerequisites | - |
| Module objectives/intended learning outcomes | After completing this module, a student is expected to:  LO1 Demonstrate knowledge of basic biology.  LO2 Demonstrate knowledge of basic physics and earth science.  LO3 Demonstrate knowledge of basic chemistry.  LO11 Demonstrate logical thinking and good scientific manner in teamwork and communicate their results in writing and orally |
| Content | 1. Structure and physico-chemical characteristics of ocean; 2. Components of marine biota; 3. Coastal and marine natural resources, sustainable management and utilization; 4. Thermohaline current, global conveyor belt 5. Pollution of aquatic and fishery biota; 6. Natural phenomenon at the sea (Tsunami, hurricane), tsunami early warning system |
| Study and examination requirements and forms of examination | Presentation, Discussion Report, Middle Semester Exam, and Semester Exam |
| Media employed | LCD, blackboard, moocs websites, UM e-learning system (Sipejar) |
| Reading list | 1. Anderson, R.N., 1986. Marine Geology. John Willey & Sons, New York. 2. De Klerk, L.G., 1982. Sea Level, Reef and Coastal Plain of South West Sulawesi Indonesia. Utrecth Netherland. 3. Duxbury, A.C., 1984. An Introduction to The World’s Ocean. Publishing Company, California. 4. Emiliani,C.,1981.The Sea, The Oceanic Lithosphere.John Wiley & Sons, New York. 5. Meadows, P.S.and Campbell, J.I.,1988. An Introduce to Marine Science. John Wiley & Sons Inc, New York. 6. Kennett,J.,1990. Marine Geology.Prentice-Hall, Englewood Cliffs. 7. Shepard, F.F.,1973.Submarine Geology, 3rd Ed.Harper and Row Publishers, New York. 8. Faure, G., 1986. Principles of Isotope Geology, Second Ed. John Wiley & Sons, USA 9. Webb, P. 2019. Introduction to Oceanography. |