**Bachelor of Education in Science           MODULE HANDBOOK**

Email: ipa.fmipa@um.ac.id

Website: http://ipa.fmipa.um.ac.id/

|  |  |
| --- | --- |
| Module designation | Basic Biology II |
| Module level, if applicable | Undergraduate |
| Code, if applicable | PIPAUM6102 |
| Subtitle, if applicable | *-* |
| Courses, if applicable | *-* |
| Semester(s) in which the module is taught | Even |
| Person responsible for the module | Erti Hamimi, S.Pd., M.Sc |
| Lecturer | Erti Hamimi, S.Pd., M.ScNovida Pratiwi, S.Si., M.Sc |
| Language | Bahasa Indonesia  |
| Relation to curriculum | Undergraduate degree program, compulsory, 2nd semester. |
| Type of teaching, contact hours | Undergraduate degree program: cooperative learning, presentation, laboratory work, 3 x 50 = 150 minutes and 1 x 170 minutes  |
| 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. Laboratory work: 1 x 170 minutes (2.83 hours) per week.
4. Private study: 3 x 60 = 180 minutes (3 hours) per week.
 |
| Credit points | 4 credit points (~6.35 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 Biology I |
| Module objectives/intended learning outcomes | After completing this module, a student is expected to:LO1: Demonstrate knowledge of basic biologyLO11: Demonstrate logical thinking and good scientific manner in teamwork and communicate their results in writing and orally |
| Content | This subject contains studies on 1) the structure and function of animals and humans; exchange of matter in the body, control in the body, immunity, sessions, 2) animal behavior; natural and artificial behavior |
| Study and examination requirements and forms of examination | Assignment, Quiz, Midterm examination, Final examination, Performance |
| Media employed | LCD, power point, white board, video and moodle (Sipejar) |
| Reading list | 1. Campbell, Reece, Mitchell. 2004. *Biologi Ed.5 Jilid 1*. Jakarta: Erlangga.
2. Sherwood, Lauralee. 2018. *Fisiologi Manusia dari Sel ke Sistem Ed. 9.* Jakarta: EGC
3. Sherwood, Klandorf, Yancey. Animal Physiology from Genes to Human”. Yolanda Cosio.
 |