

MODULE HANDBOOK

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| Module Name | General Biology |
| Module Level | Bachelor |
| Abbreviation, if applicable | 8420403039 |
| Sub-heading, if applicable | - |
| Course included in the module, if applicable | - |
| Semester/term | 1 st /First year |
| Modul coordinator(s) | Dr. Yuliani, M.Si |
| Lecturer(s) | Team |
| Language | Bahasa Indonesia |
| Classification within the curriculum | Compulsory course |
| Teaching format/class hours per week during the semester | 3 hours lectures (50 min / hour) |
| Workload | 1 CU for bachelor degree equals to 3 workhours per week or 170 minutes (50' face to face learning, 60' structured learning, and 60' independent learning). In one semester, courses are conducted in 14 weeks (excluding mid and end-term exam). Thus, 1 CU equals to 39.67 workhours per semester. One CU equals to 1.59 ECTS. |
| Credit point | 3 CU = 3 x 1.59 = 4.77 ECTS |
| Prerequisite course(s) | - |
| Study/exam achievements | Students are considered to be competent and pass if at least gets core 68 Final score is calculated as follows: 20% participation, 30 assignment + 20% mid test + 30% final test |
| Targeted learning outcomes: | Knowledge: 1. Mastering basic biology concepts and their applications. Skill: 2. Have the skills to apply Basic Biology concepts and principles in everyday life responsibly. Competence: 3. Work as an individual as well as a team effectively, have an entrepreneur skills, and awareness of environmental issues |
| Content: | Understand the basic concepts of biology as the science, structure and function of cells, cell division, metabolism which includes transport, photosynthesis and respiration, genetics, diversity of living things, evolution, structure of plant and animal organ tissue functions, ecology, animal behavior, biotechnology, and practicing solving problems through scientific methods. Basic Biology studies are accompanied by a variety of process skills that are used |

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| | to solve problems in the field of Biology and its applications. This subject is presented through material explanation, giving examples, problem solving, and assignments |
| Study / exam achievements: | <p>Students are considered to be competent and pass if at least get 55.</p> <p>Final score is calculated as follows: 20% participation + 30% assignment + 20% middle exam (UTS) & 30% final exam (UAS)</p> <p>Table index of graduation:</p> <ul style="list-style-type: none"> • A = 4 (85 ≤ - < 100) • A- = 3,75 (80 ≤ - < 85) • B+ = 3,5 (75 ≤ - < 80) • B = 3 (70 ≤ - < 75) • B- = 2,75 (65 ≤ - < 75) • C+ = 2,5 (60 ≤ - < 65) • C = 2 (55 ≤ - < 60) • D = 1 (40 ≤ - < 55) • E = 0 (0 ≤ - < 40) |
| Media: | Handbook and PPT |
| Learning Methods | Individuals assignment, group assignment, discussion, and presentation |
| Literature: | <ol style="list-style-type: none"> 1. Campbell, Neil A, Jane B. Reece dan Lawrence G.Mitchell.2010 Biologi. 8th ed. California: Benjamin Cummings. 2. Kimball, J.W. 2005. Biologi Jilid I, II, III. 5th ed. (Siti Soetarmi &N.Sugiri Trans). Jakarta: Penerbit Erlangga. 3. Rachmadiarti, F., Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah H.,Herlina F.2018.Biologi Umum. Surabaya: UNESA Press. 4. Luria. 1981.A View of Life. California: Benjamin Cumming |