Module Descriptions

Module designation	*8420302030*
Semester(s) in which the module is taught	*1*
Person responsible for the module	*Dr. Tarzan Purnomo, M.Si.,*
Language	*Indonesian*
Relation to curriculum	*Compulsory / ~~elective / specialisation~~*
Teaching methods	*lecture, lesson, Discussion, case study*
Workload (incl. contact hours, self-study hours)	*(Estimated) Total workload: 136 work hours per-semester* *Contact hours:* *a) Lecture, exercise: 26.7 work hours per-semester ,* *b) Laboratory session: 45.3 work hours per-semester* *Private study including examination preparation: 64 work hours per-semester*
Credit points	*3.18 ECTS*
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	*Key question: what learning outcomes should students attain in the module?* *E.g. in terms of:* - *Attitude:* *a) Demonstrates religious, national and cultural values, as well as academic ethics in carrying out their duties.* *b) Demonstrates a resilient, collaborative, adaptive, innovative, inclusive, lifelong learning, and entrepreneurial character* - *Competences* - *Knowledge:* - *Skills:* *a) Develops logical, critical, systematic and creative thinking in carrying out specific work in the field of expertise and in accordance with the work competency standards in the relevant field.* *b) Develops self sustainably and collaborate*

Content	*Understand the basic concepts of biology as a science, including cell structure and function, metabolism, including transport, photosynthesis, and respiration, genetics, the diversity of living organisms and nomenclature, the origins of life, evolution, the structure and function of plant and animal organ tissues, ecology, organismal behavior, and biotechnology, as well as practice solving problems using scientific methods. General biology studies are complemented by various process skills (mind-on-activity and hands-on activity) that will be used to solve problems in biology and its applications. Learning is delivered through presentations, discussions, and practical exercises.*
Examination forms	*essay*
Study and examination requirements	***Requirements for successfully passing the module:*** *a) Minimum attendance of 75%* *b) Minimum score of 55 out of 100*
Reading list	*a) Campbell, Neil A, Jane B.Reece dan Lawrence G.Mitchell. 2003. Biologi . California: Benjamin Cummings.* *b) Kimball, J.W. 1989. Biologi Jilid I, II, III . Edisi Kelima. Cetakan Kedua. Jakarta: Penerbit Erlangga.* *c) Rachmadiarti, F.,Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah H.,Herlina F.2007. Biologi Umum . Surabaya: UNESA Press.* *d) Luria. 1981. A View of Life . California: Benyamin Cumming.*