Module Handbook

Module Name:	General Biology II (Practical Work)
Module Level:	Bachelor
Abbreviation, if applicable:	BID106
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	Even
Module coordinator(s):	Tri Nurhariyati, S.Si, M.Kes.
Lecturer(s):	Tri Nurhariyati, S.Si, M.Kes. Dr. Alfiah Hayati, M.Kes.
Language:	Indonesian language
Classification within the curriculum	Compulsory Course / ~~Elective Studies~~
Teaching format / class hours per week during semester:	300 minutes/ week
Workload:	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	1
Requirements	-
Learning goals/competencies	**General competence (skill)** Students are able to understand basic biology II and explain application of biology principles in organisms **Specific competence** 1. Students are able to do lab work well 2. Students are able to demonstrate animal respiration activity 3. Students are able to demonstrate plant respiration activity 4. Students are able to compare plant morphology biodiversity 5. Students are able to compare animal morphology biodiversity 6. Students are able to demonstrate conventional biotechnology applications 7. Students are able to make slide culture and identify saliva gland 8. Students are able to demonstrate plant transportation physiology 9. Students are able to demonstrate animal physiology and anatomy 10. Students are able to demonstrate effects of environtmental factors on organisms
Content	Lab work contract and give material about universality and diversity, Respiration, Photosynthesis, Plant morphology biodiversity, Plant morphology biodiversity, Biotechnology, Genetic material, Plant transportation physiology, Animal physiology and anatomy, Osmoregulation
Soft skill Attribute	Diclipline and team work

Study/ exam achievements	Students are considered to be competent and pass if at least get 40% of maximum mark of the exams and structural assignment. Final score (NA) is calculated as follow: Pre test (20%), Paper project (30%), mid exam (0%), final exam lab (40%), and soft skill (10%) Final index is defined as follow: A : 75 - 100 AB : 70 - 74.99 B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.9
Form of media	Laboratory equipment
Learning Method	Practical work and discussion
Literature	a. Anonimous. Tt. *Petunjuk Praktikum Biologi Dasar II*. Jurusan Biologi FMIPA Universitas Airlangga Surabaya. b. Audesirk, T., Audersirk, G., and B.E. Byers, 2002. *Biology: Life on the Earth 6th* Ed. Prentice-Hall, New Jersey. c. Pianka, E.R., 2000. *Evolutionary Ecology, 6th* ED. Benjamin Cummings, San Francisco.
Notes	this course is the prerequisite subjects to take more upper level courses on next semester