A. COMPULSORY COURSES

Term I					Term II				
No	**Course code**	**Course name**	**Credit unit**	**ECTS**	**No**	**Course code**	**Course name**	**Credit Unit**	**ECTS**
1	1000002033	Pancasila	2	3.18	1	1000002026	Religion Education	2	3.18
2	4620103033	General Biology*	3	4.77	2	1000002033	Citizenship Education	2	3.18
3	4620103103	General Chemistry*	3	4.77	3	4620102021	English For Biology	2	3.18
4	4620103073	General Physics*	3	4.77	4	4620104173	Plant Structure and Development*	4	6.36
5	4620103119	Mathematic	3	4.77	5	4620102187	Laboratory Technique*	2	3.18
6	1000002003	Indonesian	2	3.18	6	4620103026	Biochemistry*	3	4.77
7	4620103018	English	3	4.77	7	4620104010	Animal Anatomy*	4	6.36
8	4620103119	Physical Education	2	3.18	8	4620102106	Conservation of Natural Resources and Environment	2	3.18
Total credit			**21**	**33.39**	**Total credit**			**21**	**33.39**

*) integrated with practicum

Term III					Term IV				
No	**Course code**	**Course name**	**Credit unit**	**ECTS**	**No**	**Course code**	**Course name**	**Credit unit**	**ECTS**
1	4620104076	Plant Physiology*	4	6.36	1	4620102030	Cell Biology	2	3.18
2	4620103127	Microbiology*	3	4.77	2	4620104044	Ecology*	4	6.36
3	4620104161	Animal Systematics*	4	6.36	3	4620104074	Animal Physiology*	4	6.36
4	4620104163	Plant Systematics*	4	6.36	4	4620104081	Genetics*	4	6.36
5	1000002011	Basic Social and Cultural Science	2	3.18	5	4620103036	Biostatistics and Biocomputer	3	4.77

6	4620102192	Entrepreneurship	2	3.18	6	4620102068	Science Philosophy	2	3.18
Total credit			**19**	**30.21**	**Total credit**			**19**	**30.21**

*) integrated with practicum

Term V					**Term VI**				
No	**Course code**	**Course name**	**Credit unit**	**ECTS**	**No**	**Course code**	**Course name**	**Credit unit**	**ECTS**
1	4620102028	Molecular Biology	2	3.18	1	4620102023	Bio Exploration	2	3.18
2	4620103041	Ecophysiology	3	4.77	2	4620102032	Applied Biology	2	3.18
3	4620102064	Evolution	2	3.18	3	4620102186	Analysis Technique of Molecular Biology	2	3.18
4	4620103124	Biology Research Methodology	3	4.77	4	4620103154	Internship	3	4.77
5	4620102134	Microtechnique	2	3.18	5	4620103108	Tissue Culture*	3	4.77
6	4620102099	Advanced Entrepreneurship	2	3.18	6		Electives 2	2	3.18
7	4620103117	Management of Quality Control	3	4.77	7		Electives 3	2	3.18
8	4620102037	Biotechnology	2	3.18	8		Electives 4	2	3.18
					9		Electives 5	2	3.18
Total credit			**19**	**30.21**	**Total credit**			**20**	**31.8**

*) integrated with practicum

Term VII					Term VIII				
No	**Course code**	**Course name**	**Credit unit**	**ECTS**	**No**	**Course code**	**Course name**	**Credit unit**	**ECTS**
1	4620102159	Seminar	2	3.18	1	4620106164	Thesis	6	9.54
2	4620103194	Community Service	3	4.77	2		Electives 11	2	3.18
3		Electives 6	2	3.18	3		Electives 12	2	3.18
4		Electives 7	2	3.18					
5		Electives 8	2	3.18					
6		Electives 9	2	3.18					
7		Electives 10	2	3.18					
Total credit			**11**	**17.49**	**Total credit**			**10**	**15.9**

B. ELECTIVE COURSES

Uneven term (1st term of academic year)					Even term (2nd term of academic year)				
No	**Course code**	**Course name**	**Credit unit**	**ECTS**	**No**	**Course code**	**Course name**	**Credit unit**	**ECTS**
1	4620102003	Algology *)	2	3.18	26	4620102083	Population Genetics *)	2	3.18
2	4620102022	Bacteriology *)	2	3.18	27	4620102090	Horticulture	2	3.18
3	4620102038	Cultivation of Water Biota *)	2	3.18	28	4620102092	Nutrient science *)	2	3.18
4	4620103049	Ocean Ecology *)	2	3.18	29	4620102094	Immunology *)	2	3.18
5	4620102054	Ecotoxicology *)	2	3.18	30	4620102112	Limnology *)	2	3.18
6	4620102059	Plant Embryology *)	2	3.18	31	4620102116	Management of Water Ecosystems *)	2	3.18
7	4620102060	Endocrinology*)	2	3.18	32	4620102125	Mycology *)	2	3.18
8	4620102061	Entomology *)	2	3.18	33	4620102130	Industrial Microbiology*)	2	3.18

9	4620102062	Ethnobotany *)	2	3.18	34	4620102136	Plant morphogenesis *)	2	3.18
10	4620102066	Pharmacognosy * *)	2	3.18	35	4620102140	Parasitology *)	2	3.18
11	4620102077	Phytogeography *)	2	3.18	36	4620102144	Waste Management*)	2	3.18
12	4620102078	Phytohormone *)	2	3.18	37	4620102153	Planktonology *)	2	3.18
13	4620102156	Protozoology *)	2	3.18	38	4620102162	Microbial Systematics**)	2	3.18
14	4620102158	Animal Reproduction**)	2	3.18	39	4620102191	Zoogeography**)	2	3.18
15	4620102007	Analysis of Environmental Impact *)	2	3.18	40	4620102051	Soil Ecology **)	2	3.18
16	4620102009	Human Anatomy and Physiology *)	2	3.18	41	4620102063	Ethology**)	2	3.18
17	4620102029	Food Biology *)	2	3.18	42	4620102075	Comparative Physiology* *)	2	3.18
18	4620102050	Social Ecology *)	2	3.18	44	4620102084	Applied Genetics**)	2	3.18
19	4620102085	Plant Pests and Diseases **)	2	3.18	45	4620102131	Health Microbiology **)	2	3.18
20	4620102088	Histology**)	2	3.18	46	4620102132	Environmental Microbiology * *)	2	3.18
21	4620102114	Malacology**)	2	3.18	47	4620102138	Oncology**)	2	3.18
22	4620102115	Mammalogy* *)	2	3.18	48	4620102139	Ornithology**)	2	3.18
23	4620102146	Management of Natural Resources **)	2	3.18	49	4620102148	Environmental Science **)	2	3.18
24	4620102179	Numerical taxonomy**)	2	3.18	50	4620102190	Virology**)	2	3.18
Total credit of electives available					**96 (152.64 ECTS)**				