STUDY PLAN OF UPBE

A. Compulsory Courses

1st Semester					2nd Semester				
No	Course code	Course name	C U	ECTS	No	Course code	Course name	CU	ECTS
1	1000002033	Pancasila	2	3.18	1	1000002024-9	Religion Education	2	3.18
2	1000002003	Indonesian	2	3.18	2	8420402008	Digital literacy	2	3.18
3	8420503049	General Biology*	3	4.77	3	1000002018	Citizenship Education	2	3.18
4	8420503134	General Chemistry*	3	4.77	4	8420502264	Physical education	2	3.18
5	8420503100	General Physics*	3	4.77	5	1000002039	Educational Psychology	2	3.18
6	8420503150	Basic Mathematics	3	4.77	6	8420503252	Learning Theories	3	4.77
7	8420503031	English	3	4.77	7	8420502047	Biochemistry*	2	3.18
					8	8420504271	Animal Structure and Development	4	6.36
					9	8420502138	Conservation of Natural Resources And Environment	2	3.18
Total credit			19	30.21	Total credit			21	33.39

*) integrated with practicum

3rd Semester					4th Semester				
No	Course code	Course name	C U	ECTS	No	Course code	Course name	CU	ECTS
1	8420502261	Entrepreneurship	2	3.18	1	8420504101	Animal physiology*	4	6.36
2	1000002011	Basic Social and Cultural Sciences	2	3.18	2	8420504221	Plant systematics*	4	6.36
3	1000003006	Basic of Education	2	3.18	3	8420502272	Curriculum analysis	2	3.18
4	8420502053	Cell Biology	2	3.18	4	8420504102	Plant physiology*	4	6.36
5	8420504226	Plant Structure and Development*	4	6.36	5	8420504108	Genetics*	4	6.36
6	8420503164	Microbiology*	3	4.77	6	8420502094	Assessment of Learning	3	4.77
7	8420502156	Biology Learning Medium	2	3.18					
8	8420502034	English for Biology	2	3.18					
9	8420502097	Philosophy of Science	2	3.18					
Total credit			21	33.39	Total credit			21	33.39

*) integrated with practicum

5th Semester					6th Semester				
No	Course code	Course name	C U	ECTS	No	Course code	Course name	CU	ECTS
1	8420503011	Human anatomy and physiology*	2	3.18	1	8420502149	Laboratory Management	2	3.18
2	8420503060	Biostatistics and Biocomputer	3	4.77	2	8420503263	Community Service	3	4.77
3	8420503177	Innovative Learning I	3	4.77	3	8420502050	Molecular biology	2	3.18
4	8420503159	Research Methodology in Education	3	4.77	4	8420503179	Innovative Learning II	3	4.77

5	8420504080	Ecology*	4	6.36	5	8420502095	Evolution	2	3.18
6	8420504220	Animal systematics*	4	6.36	6	8420502273	Microteaching	2	3.18
7					7	8420502219	Seminar	2	3.18
8					8		Elective Course	2	3.18
9					9		Elective Course	2	3.18
Total credit			19	30.21	Total credit			20	31.8

7th Semester					8th Semester				
No	Course code	Course name	C U	ECTS	No	Course code	Course name	CU	ECTS
1	8420503270	Conservation biology	3	4.77	1	8420506222	Thesis	6	9.54
2	8420502062	Biotechnology*	2	3.18					
3	8420503268	Teaching Internship	4	6.36					
4		Elective Course	2	3.18					
5		Elective Course	2	3.18					
6		Elective Course	2	3.18					
7		Elective Course	2	3.18					
Total credit			17	27.03	Total credit			6	9.54

B. Elective Courses in UPBE

Elective Course Odd Semester						Elective Course Even Semester					
No	**Code**	**Course Name**	**CU**	**ECTS**	**Semester**	**No**	**Code**	**Course Name**	**CU**	**ECTS**	**Semester**
1	8420502176	ICT-based Learning	2	3.18	7	13	8420502086	Ecotoxicology	2	3.18	6
2	8420502045	Biogeography	2	3.18	7	14	8420502274	Aquaculture	2	3.18	6
3	8420502055	Applied biology	2	3.18	7	15	8420502118	Environmental science	2	3.18	6
4	8420502063	Aquatic ecology	2	3.18	7	16	8420502166	Applied microbiology	2	3.18	6
5	8420502110	Health, Nutrient, and Psychotropic Drugs	2	3.18	7	17	8420502167	Microtechnique	2	3.18	6
6	8420502111	Plant pests and diseases	2	3.18	7	18	8420502192	Waste Management	2	3.18	6
7	8420502113	Histology	2	3.18	7	19	8420502213	Plant reproduction	2	3.18	6
8	8420502139	Tissue culture	2	3.18	7	20	8420502211	Animal reproduction	2	3.18	6
9	8420502162	Mycology	2	3.18	7	21	8420502266	Algology	2	3.18	6
10	8420502094	Evaluation and Development of Curriculum	2	3.18	7	22	8420502269	Instruments development	2	3.18	6
11	8420502195	Research Trends in Biology Education	2	3.18	7	23	8420502207	Issues and Innovations in Biology Learning	2	3.18	6
12	8420502079	Ecophysiology	2	3.18	7						