

SUMMARY OF COURSES OFFERED

PRINCIPAL SUBJECT AREA

BOTANY

At the 100 Level two principal subject areas, Biology* and Biology**, having 8 and 16 credits respectively are offered jointly by the Departments of Botany and Zoology. Both Biological and Physical Science students can offer these subjects.

From the 200 Level onwards Botany is offered as a principal subject area. The students who have followed Biology* as a principal subject area at the 100 level are permitted to take Botany as a principal subject at 200 and 300 Levels. Other students who wish to follow selected course units in Botany would also be accommodated subject to availability of places. Those students who have completed Botany as a principal subject at the 200 Level shall be eligible for selection to a Special Degree in Botany at the end of the second year. The Special Degree students spend an extra two (02) years learning courses in a range of areas in Botany and carrying out a research project. The Department also conducts three course units for the fourth year students in the Applied Science Degree Programme. The General Degree students after successful completion of three years with required GPA are permitted to register for the Applied Science Degree.

The laboratory work of all course units offered by the Department of Botany shall be evaluated on a continuous assessment basis.

100 LEVEL - BIOLOGY offered jointly by the Departments of Botany, and Zoology.						
Course Number	Course Title	No. of credits	Biology*	Biology**	Compulsory for	
					General Degree	Special Degree
BL 101	Basic Biology	2	√	√		
BL 102	Plant & Animal Form & Function	2	√	√		
BL 103	Basic Ecology	2	√	√		
BL 107	Basic Microbiology	2	√	√		
BL 115	Biomolecules	2		√		
BL 116	Introductory Environmental Biology	2		√		
BL 117	Biotic Interactions	2		√		
BL 118	Introductory Evolutionary Biology	2		√		
	Total		8	16		

200 LEVEL – BOTANY					
Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
BT 201	Plant Diversity I	2		√	√
BT 202	Plant Diversity II	2		√	√
BT 203	Vegetation Dynamics & Measurements	2			
BT 204 †	Enzymology	2			
BT 205	Angiosperm Morphology & Anatomy	2			
BT 206	Plant Physiology	2			
BT 207	Plant Biochemistry I	2			
BT 209 ††	Biostatistics	2			
FS 202	Food Science I	2			
	Total	18			

† Equivalent to MB 221 offered by the Department of Molecular Biology & Biotechnology.

†† Equivalent to ST 202 offered by the Department of Statistics & Computer Science.

300 LEVEL – BOTANY (Students intending to select Botany as a principal subject area at 300 level must have offered Botany as a principal subject at the 200 level).

Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
BT 301	Analytical Methods	2			
BT 302	Advanced Microbiology	2			
BT 303	Soil Fertility & Management	2			
BT 304	Plant Pathology	2			
BT 305	Developmental Physiology & Postharvest Technology	2			
BT 307	General & Molecular Genetics	2			
BT 308	Plant Systematics	2			
BT 309	Biodiversity Conservation & Management	2			
BT 310	Ecosystems of Sri Lanka: Their Ecology & Conservation	2			
BT 311	Plant Reproductive Biology & Plant Breeding	2	BT 307		
BT 312	Economic Botany	2			
BT 313	Independent Study	1			
FS 302	Food Science II	2			
	Total	25			

400 LEVEL – BOTANY

Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
BT 401	Nitrogen Fixation	3			
BT 402	Rhizobiology	3	BT 302		
BT 403	Plant Toxicology	2	BT 207		
BT 404	Advanced Plant Pathology	2	BT 304		
BT 405	Plant Biochemistry II	3	BT 207		
BT 406	Plant Molecular Genetics & Biotechnology	3	BT 307		
BT 407	Advanced Plant Systematics	2	BT 308		
BT 408	Advanced Plant Physiology	2	BT 206, BT 207		
BT 409	Dynamic Plant Ecology	3	BT 309, BT310		
BT 410	Forestry	2			
BT 411	Herbarium	1			√
BT 412	Applied Microbiology	2	BT 302		
BT 413	Advanced Plant Developmental Physiology	2	BT 305		
BT 414	Independent Study	1			√
BT 415	Research Project	6	BT 209		√
	Total	37			