

Taunggoke University

B.Sc in Botany

First Year					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
Myan 1001	Myanmar	3(2,2)	Myan 1002	Myanmar	3(2,2)
Eng 1001	English	3(2,2)	Eng 1002	English	3(2,2)
Core			Core		
Bot - 1101	Plant Biology	4(3,2)	Bot - 1102	Basic Concepts of Applied Botany	4(3,2)
Elective (three courses)			Elective (three courses)		
Chem-1001	General Chemistry I	3(2,2)	Chem-1002	General Chemistry II	3(2,2)
Zool - 1001	Animal Kingdom and	3(2,2)	Zool - 1002	Chemicals of Life and Life Processes	3(2,2)
AM - 1001	Aspects of Myanmar	3(2,2)	AM - 1002	Aspects of Myanmar	3(2,2)

Second Year					
Semester 1			Semester 2		
Module No.	Module Name	CP(L,T)	Module No.	Module Name	CP(L,T)
Courses		CP (L,P/T)	Courses		CP (L,P/T)
Foundation			Foundation		
Eng 2001	English	3(2,2)	Eng 2002	English	3(2,2)
Core			Core		
Bot-2101	Survey of Plant Kingdom I	4(3,2)	Bot-2106	Survey of Plant Kingdom II	4(3,2)
Bot-2102	Angiosperms I	4(3,2)	Bot-2107	Angiosperms II	4(3,2)
Bot-2103	Genetics	4(3,2)	Bot-2108	Cytogenetics	4(3,2)
Bot-2104	Ecology	3(2,2)	Bot-2109	Horticulture	3(2,2)
Zool-2001	Invertebrate Zoology	3(2,2)	Zool-2002	Vertebrate Zoology	3(2,2)

Third Year/ First Year BSc Honours					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
Eng 3001	English	3(2,2)	Eng 3002	English	3(2,2)
Core			Core		
Bot -3101/ 3201	Medicinal Plant	4(3,2)	Bot-3107/ 3207	Cell Bioilogy	4(3,2)
Bot -3102/ 3202	Plant Cytology and Anatomy	4(3,2)	Bot-3108/ 3208	Advanced Genetics	4(3,2)
Bot -3103/ 3203	Plant Physiology I	4(3,2)	Bot-3109/ 3209	Plant Physiology II	4(3,2)
Bot -3104/ 3204	Environmental Biology	4(3,2)	Bot-3110/ 3210	Applied Ecology	4(3,2)
Bot -3105/ 3205	Floristics and Herbarium	3(2,2)	Bot-3111/ 3211	Biochemistry I	3(2,2)

Fourth Year BSc/ Second Year BSc Honours					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module Name	Module Name	CP(L,P/T)
Foundation			Foundation		
Eng 4001	English	3(2,2)	Eng 4002	English	3(2,2)
Core			Core		
Bot- 4101/ 4201	Plant Systematics	4(3,2)	Bot - 4107/ 4207	Biochemistry II	4(3,2)
Bot- 4102/ 4202	Pharmacognosy	4(3,2)	Bot - 4108/ 4208	Plant Biotechnology	4(3,2)
Bot- 4103/ 4203	Microbiology	4(3,2)	Bot - 4109/ 4209	Applied Microbiology	4(3,2)
Bot- 4104/ 4204	Plant Tissue Culture	4(3,2)	Bot - 4110/ 4210	Biodiversity and Conservation	4(3,2)
Bot- 4105/ 4205	Research Methodology	3(2,2)	Bot - 4111/ 4211	Molecular Biology	3(2,2)

Third Year BSc Honours/MSc Qualifying					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Core			Core		
Bot-5201	Industrial Microbiology	4(3,2)	Bot -5207	Microbial Biotechnology	4(3,2)
Bot -5202	Advanced Plant Physiology I	4(3,2)	Bot-5208	Advanced Plant Physiology II	4(3,2)
Bot -5203	Advanced Pharmacognosy	4(3,2)	Bot -5209	Industrial and Economic Plants	4(3,2)
Bot -5204	Molecular Genetics	4(3,2)	Bot -5210	Enzymology	4(3,2)
Bot -5205	Plant Geography	4(3,2)	Bot -5211	Ethnobotany	4(3,2)
Bot-5206	Evolution	4(3,2)	Bot -5212	Environmental Education and Ethics	4(3,2)

COURSE DESCRIPTIONS

Bot 1101: Plant Biology

Plant biology is a science of plant life and a branch of biology. The course includes two parts origin and diversity; and functions and their environment. First part deals with the origin of life on this plant, the organization of cell and progressive organization of tissue and organs. It is followed by the diversity of plants and their relatives, the evolutionary relationship between plant groups and how each group may have arisen. The second part deals with physiology or