

## COURSE CURRICULUM FRAMEWORK UNDER AUTONOMY

**Program: BSc**

**Department: Botany**

<b>Semester 1</b>		
<b>Course code</b>	<b>Course Title</b>	<b>Credits</b>
SBOT101	<b>Algae, Fungi &amp; Lichens</b> Algae Fungi Lichens	2
SBOT102	<b>Genetics, Ecology and Industrial Botany</b> Genetics Ecology Industrial Botany	2
SBOT1PR	Practicals in Paper 1 and Paper 2	2

<b>Semester 2</b>		
<b>Course code</b>	<b>Course Title</b>	<b>Credits</b>
SBOT201	<b>Bryophyta, Pteridophyta, Phanerogams</b> Bryophyta Pteridophyta Phanerogams	2
SBOT202	<b>Anatomy, Physiology and Ethnobotany</b> Anatomy Physiology Ethnobotany	2
SBOT2PR	Practicals in Paper 1 and Paper 2	2

<b>Semester 3</b>		
<b>Course code</b>	<b>Course Title</b>	<b>Credits</b>
SBOT301	<b>Algae, Fungi &amp; Palaeobotany</b> Algae Fungi Palaeobotany	3
SBOT302	<b>Instrumentation, Cytology &amp; Molecular Biology</b> Instrumentation Cytology Molecular Biology	3
SBOT303	Pharmacognosy Forestry Economic Botany	3
SBOT3PR	Practicals in Paper 1, Paper 2 & Paper 3	2.5

<b>Semester 4</b>		
<b>Course code</b>	<b>Course Title</b>	<b>Credits</b>
SBOT401	<b>Bryophyta, Pteridophyta, Gymnosperms &amp; Angiosperms</b> Bryophyta and Pteridophyta, Gymnosperms Angiosperms	3
SBOT402	<b>Anatomy, Plant physiology &amp; Environmental Botany</b> Anatomy Plant physiology Environmental Botany	3
SBOT403	<b>Plant Tissue Culture, Molecular Biology &amp; Research</b> Methodology Plant Tissue Culture Molecular Biology Research Methodology	3
SBOT4PR	Practicals in Paper 1, Paper 2 & Paper 3	2.5

<b>Semester 5</b>		
<b>Course code</b>	<b>Course Title</b>	<b>Credits</b>
SBOT501	<b>Microbiology, Algae, Fungi &amp; Plant pathology, Bryophyta</b> Microbiology Algae Fungi & Plant pathology Bryophyta	4
SBOT502	<b>Angiosperms, Anatomy, Palynology, Embryology</b> Angiosperms Anatomy Palynology Embryology	4
SBOT503	<b>Cytology &amp; Molecular Biology, Physiology, Secondary metabolites, Environmental Botany</b> Cytology & Molecular Biology Physiology Secondary metabolites Environmental Botany	4
SBOT 504	<b>Instrumentation, Biotechnology I, Biotechnology II, Plant Tissue Culture</b> Instrumentation Biotechnology I Biotechnology II Plant Tissue Culture	4
SBOT5PR1	Practicals in Paper 1 and Paper 2	4
SBOT5PR2	Practicals in Paper 3 and Paper 4	4
SBOT5AC	<b>Horticulture and Gardening I</b> Introduction to Horticulture Propagation Practices Fertilizers, Manures, Pests and Diseases Garden Operations for Horticulture	2.5
SBOT5ACPR	Practicals in Horticulture and Gardening I	2.5

Semester 6		
Course code	Course Title	Credits
SBOT601	<b>Pteridophyta, Gymnosperms, Taxonomy &amp; Anatomy</b> Pteridophyta Gymnosperms Taxonomy Anatomy	4
SBOT602	<b>Physiology, Genetics, Biodiversity &amp; Evolution</b> Physiology Genetics Biodiversity Evolution	4
SBOT603	<b>Pharmacognosy, Biochemistry, Transgenic plants &amp; Economic Botany</b> Pharmacognosy Biochemistry Transgenic plants Economic Botany	4
SBOT 604	Bioinformatics Quality Control IPR Food Adulteration	4
SBOT6PR1	Practicals in Paper 1 and Paper 2	4
SBOT6PR2	Practicals in Paper 3 and Paper 4	4
SBOT6AC	<b>Horticulture and Gardening II</b> Landscape Gardening Commercial production Horticultural Produce and Entrepreneurship Fruit and Vegetable Preservation techniques	2.5
SBOT6ACPR	Practicals in Horticulture and Gardening II	2.5