

Academic Year	Name of the Course
2015-21	Microbiology and Phycology
2015-21	Systematic Botany of Angiosperms
2015-21	Evolutionary Biology, Economic Botany & Phytogeography
2015-21	Molecular Biology
2015-21	Practical -I
2015-21	Practical -II
2015-21	Practical -III
2015-21	Practical -IV
2015-21	Ecology and Environmental Biology
2015-21	Concepts in Biochemistry and Biophysics
2015-21	Biotechnology, Computer applications and Biostatistics
2015-21	Medicinal Plants
2015-21	Practical -I
2015-21	Practical -II
2015-21	Practical -III
2015-21	Practical -IV
2015-21	Plant Physiology
2015-21	Cell Biology and Genetics
2015-21	Developmental Biology of Plants and Tissue Culture
2015-21	Plant Biotechnology
2015-21	Practical -I
2015-21	Practical -II
2015-21	Practical -III
2015-21	Practical -IV
2015-21	Mycology and Plant Pathology
2015-21	Plant Breeding and Plant Propagation
2015-21	Plant Tissue Culture
2015-21	Reproductive Biology of Higher Plants
2015-21	Applied Microbiology, Applied Mycology and Plant Pathology
2015-21	Phytodiversity and Environmental Biology
2015-21	Practical -I
2015-21	Practical -II
2015-21	Practical -III
2015-21	Practical -IV
2015-21	Practical -V
2015-21	Practical -VI
2015-21	Project/Dissertation work



**KARNATAK UNIVERSITY, DHARWAD**  
**POST GRADUATE DEPARTMENT OF STUDIES IN BOTANY**

<b>Course Code</b>	<b>Name of the Programme</b>
Bot. CT 1.1	M.Sc.- Master of Science in Botany
Bot. CT 1.2	M.Sc.- Master of Science in Botany
Bot. CT 1.3	M.Sc.- Master of Science in Botany
Bot. CT 1.4	M.Sc.- Master of Science in Botany
Bot. CP 1.1	M.Sc.- Master of Science in Botany
Bot. CP 1.2	M.Sc.- Master of Science in Botany
Bot. CP 1.3	M.Sc.- Master of Science in Botany
Bot. CP 1.4	M.Sc.- Master of Science in Botany
Bot. CT 2.1	M.Sc.- Master of Science in Botany
Bot. CT 2.2	M.Sc.- Master of Science in Botany
Bot. CT 2.3	M.Sc.- Master of Science in Botany
Bot. ET 2.4	M.Sc.- Master of Science in Botany
Bot. CP 2.1	M.Sc.- Master of Science in Botany
Bot. CP 2.2	M.Sc.- Master of Science in Botany
Bot. CP 2.3	M.Sc.- Master of Science in Botany
Bot. EP 2.4	M.Sc.- Master of Science in Botany
Bot. CT 3.1	M.Sc.- Master of Science in Botany
Bot. CT 3.2	M.Sc.- Master of Science in Botany
Bot. CT 3.3	M.Sc.- Master of Science in Botany
Bot. ET 3.4	M.Sc.- Master of Science in Botany
Bot. CP 3.1	M.Sc.- Master of Science in Botany
Bot. CP 3.2	M.Sc.- Master of Science in Botany
Bot. CP 3.3	M.Sc.- Master of Science in Botany
Bot. EP 3.4	M.Sc.- Master of Science in Botany
Bot. CT 4.1	M.Sc.- Master of Science in Botany
Bot. CT 4.2	M.Sc.- Master of Science in Botany
Bot. CT 4.3.1	M.Sc.- Master of Science in Botany
Bot. CT 4.3.2	M.Sc.- Master of Science in Botany
Bot. CT 4.3.3	M.Sc.- Master of Science in Botany
Bot. CT 4.3.4	M.Sc.- Master of Science in Botany
Bot. CP 4.1	M.Sc.- Master of Science in Botany
Bot. CP 4.2	M.Sc.- Master of Science in Botany
Bot. CP 4.3.1	M.Sc.- Master of Science in Botany
Bot. CP 4.3.2	M.Sc.- Master of Science in Botany
Bot. CP 4.3.3	M.Sc.- Master of Science in Botany
Bot. CP 4.3.4	M.Sc.- Master of Science in Botany
Bot. 4.4	M.Sc.- Master of Science in Botany



**AD  
OTANY**

<b>Activities with direct bearing on Skill development/Entrepreneurship/Employability</b>
To know the areas of Microbiology and Phycology including diversity of microbes and algae
To study the systematic knowledge of plants identification, classification and nomenclature of angiosperms
To know the biology of plants with evolutionary aspects and their economic values
To understand the biology upto molecular level and allows better understanding the diseases control and designing t
To study the techniques and methods in Microbiology and Phycology and their importance in biological sciences
To follow the key characters using different Floras for the study of identification, classification and nomenclature of ar
To understand the biological evidences of plants origin, distributions with their economic values in sciences.
To understand the techniques involved in molecular biology and their application in biological sciences
To study the ecology and environmental biology of plants with their climatic conditions
To study the types, functions of biochemicals in plants through the using various biophysical methods
To study the advance various techniques like recombinant DNA technology and to give basic knowledge of computer a
To understand the plants with their medicinal properties in different therapies by designing the drugs in pharmaceuti
To understand the knowledge of instruments, vegetation. Measurements of environmental factors in Ecology and Env
To study the types, methods involved in activity of biochemicals in plants through the using various biophysical metho
To study the advance techniques used for the desirable plants and to give basic knowledge of computer applications i
To understand the history, traditional knowledge and botany of medicinal plants and their importance AYUSH with dif
To know the physiology of plants and their important in agro industries
To study the structures and functions of various plant cell organelles and genetics of plants including expression and t
To study the ultrastructures, histochemical and functions of various developmental stages of plants and to know the v
To study the various biotechniques like hybridization or hybridoma technology involved in the production of disease fi
To understand and measure the physico-chemical properties of primary, secondary metabolites from plants, enzymes
To know the techniques involved in structures and functions of various plant cell organelles and genetics of plants incl
To understand the various techniques involved in types, ultrastructure, histochemical analysis of developmental stage
To understand knowledge of various biotechniques like hybridization or hybridoma technology involved in the produc
To study the types of fungi with their applications in food industries and to know the various controlling measures of f
To know the various breeding methods to produce the desirable plant varieties and to understand the various method
To understand the various types of culturing methods to produce the large quantity of plants through its single proger
To study the structure and functions of reproductive structures and stages of plants during their development in biolo
To know the advance techniques and methods applied in the diversity of microbes, fungi with their significant role in p
To understand the diversity of plants, animals and microbes in nature according to their environmental conditions
To know the procedures, techniques in identification of structure, types of fungi with their applications in food and dr
To develop the skills of various breeding methods to produce the desirable plant varieties and to propagate the plants
To develop the knowledge of techniques involved in types of culturing methods to produce the large quantity of plant
To know the various parameters employed in the study of ultrastructure, histochemical analysis and functions of repr
To know the advance techniques and methods applied in the study of diversity of microbes, fungi with their significan
To know the various parameters, methods involved in the study of diversity of plants, animals and microbes in nature
To develop the research skill by following various techniques including understand and handling the instruments.



<b>Year of introduction</b>
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**Sd/-**  
**Chairman**

**Department of Botany  
Karnatak University, Dharwad.**