

Department: BOTANY

Course Outcomes

SINGLE MAJOR and SINGLE MINOR

B.SC MAJOR			
Semester	Course Code	Course Title	Outcome
I	BOTAMAJ101	Origin of Life and Plant Diversity	This course gives the students an idea about the origin and evolution of life and imparts basic knowledge about plants and related life forms. It helps students understand the huge diversity of plant life, along with an idea of the fossil records and geological time scale. It helps students gain practical knowledge about handling microscopes, staining and mounting of plant specimens and also collection and preservation of plant specimens.
I	BOTAMAJ102	Morphology and Anatomy	This course helps students have an idea about the morphology and anatomy of plants including the organization of vegetative and reproductive organs of plants, their origin, distribution and functions of plant tissues. Students also have an understanding of secondary growth in plants. They learn to identify different plant parts and their modifications.
II	BOTAMAJ203	Biomolecules and Cell Biology	This course gives a clear idea about the structures and function of different biological molecules, membranes and cell organelles. Students learn about the importance of bio molecules in cellular composition. They gain practical knowledge about measurement of cell size, qualitative analysis of macromolecules and techniques of chromosome study and cell division.
II	BOTAMAJ204	Microbiology	Students have an idea about the history and the diversity of the microbial world including the structural organization, growth, metabolism and reproduction of the microbes. They learn the techniques practised in microbial laboratories and also come to know about the applications of microorganisms in agriculture and industrial sectors.

B.SC MINOR			
Semester	Course Code	Course Title	Outcome
I	BOTAMIN101	Introduction to Life and Plant Diversity	Students gain knowledge about the origin and evolution of life. They have a detailed idea about the relationship of plants with the other kingdoms of life and also about fossil records and geological time scale. They gain skill in collection, identification, preservation and staining protocols to study plant specimens.
II	BOTAMIN202	Cell Biology	This course make students learn about the structural organization and functions of prokaryotic and eukaryotic cell, cellular organelles and cytoskeleton. Students also have detailed idea about cell division. They gain practical knowledge about techniques of measuring cell size, chromosome study and also phenomenon of plasmolysis and deplasmolysis.

B.SC MDC			
Semester	Course Code	Course Title	Outcome
I	BOTADSC101 (DSC) BOTAMIN101 (Minor)	Introduction to Life and Plant Diversity	Students gain knowledge about the origin and evolution of life. They have a detailed idea about the relationship of plants with the other kingdoms of life and also about fossil records and geological time scale. They gain skill in collection, identification, preservation and staining protocols to study plant specimens.
II	BOTADSC202 (DSC) BOTAMIN202 (Minor)	Cell Biology	This course make students learn about the structural organization and functions of prokaryotic and eukaryotic cell, cellular organelles and cytoskeleton. Students also have detailed idea about cell division. They gain practical knowledge about techniques of measuring cell size, chromosome study and also phenomenon of plasmolysis and deplasmolysis.