

BOTANY

PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES OFFERED BY INSTITUTION

Mechanism of Communication

The learning outcomes of the Programmes and Honour courses is been clearly stated by the college. In order to communicate the learning outcomes to the teachers and students, following mechanism is followed by the institution. All the hard Copies of programs and courses syllabi and learning Outcomes are available in the departments for easy and prompt reference to the teachers and students. The students are also regularly informed and made aware of the same through class discussions.

Program outcome

Students will be more articulated, equipped, thorough and confident in the subject. They will be able to communicate scientific concepts, experimental results and analytical arguments clearly and concisely, both verbally and in writing. Besides this, they also learn to design solutions for problem that need specified need with appropriate consideration for the cultural, societal and environmental wellbeing. They realize that individual and team work function effectively in multidisciplinary settings. They will also be able to make effective presentation and give and receive clear instructions. They understand the importance of critical thinking, social interaction, effective citizenship, ethics and environment and sustainability. Ultimately, they acquire the ability to engage in independent and life-long learning.

Program specific outcome

Course emphasizes on various knowledge of the classification, distribution, morphology, cell components, physiology, genetics, anatomy and biochemistry of plant kingdom. Students will be familiar with various ecological factors, succession in plant communities various components of ecosystem. Further, practical course will strengthen their understanding of the subject and identification of different flora.

B.Sc Botany –Course Outcome

Course	Outcome
Phycology and Microbiology	<p>Students would become familiar with the microbes and their impacts on society and environment.</p> <p>Students would know about the diverse forms of Algae, their thallus structure, classification, economic importance and their life cycles</p>
Biomolecules and Cell Biology	<p>This will help the students to understand the various interaction of all the molecules (micro and macro molecules) building up the cellular components and their roles</p>
Mycology and Phytopathology	<p>The student understands the fungal world which is different from the rest of the plant kingdom.</p> <p>Understand the various effective methods of prevention, quarantine and cure of various fungal diseases.</p>
Archegoniate	<p>Students will have the idea of origin and evolution of different types of reproduction.</p> <p>They would understand the differences among bryophytes, pteridophytes and gymnosperms</p>
Morphology and Anatomy of Angiosperms	<p>Morphological features both vegetative and reproductive helps in identification and differentiation between taxa easy.</p> <p>To elaborately understand their differences in internal organizations and the role of various tissues.</p>
Economic Botany	<p>Students will be aware about the various important plants around us and their role in supplying all the pre- requisite ingredients required for the wellbeing of mankind.</p>
Genetics	<p>Students would gather the knowledge about the process of heredity.</p> <p>They would get idea about some common genetic disorders and their causes.</p> <p>They will gain the knowledge about role of natural selection, mutation, genetic drift. Genetic variation and Speciation</p>