

Programme	BS	Course Code	Bot-203L	Credit Hours	1
Course Title	Mycology (Lab)				
Lab Course Contents					
<ul style="list-style-type: none">• Basic mycological techniques.• Isolation of fungi from soil, water and air using different techniques.• Processing and staining of roots for Arbuscular mycorrhizal assessment in roots of crop plants.• Isolation and identification of endogonaceous fungi from soil by wet sieving and decanting techniques.• Collection, preservation, culturing and identification of mycological specimens with special reference to taxa of agricultural importance; use of keys for their identification.• Examination of prepared slides of selected taxa.• Field study of Ascomycetous macrofungi, mushrooms, toadstools, rusts, smuts and other pathogenic fungi.• Isolation of pathogenic fungi from diseased tissues.• Anatomical and microscopic study of lichens.• Anatomical study and hyphal systems of Polypores and Agaricales.• Identification of various types of Ectomycorrhizae.• Study of interaction of fungi in culture.• Macroscopic and microscopic examination of common locally available types representing various taxonomic groups.					
Teaching Learning Strategies					
<ul style="list-style-type: none">• Lectures• Group Discussion• Laboratory work• Seminar/ Workshop					
Assignments: Types and Number with Calendar					
<ul style="list-style-type: none">• Lecture Based Examination (Objective and Subjective)• Assignments• Class discussion• Quiz• Tests					