

Scheme of Studies B.Sc. (Hons.) Agriculture, Major Agri. Biotechnology

Course No.	Course No.	Credit Hours	
5th Semester			
BIOTECH-501	FUNDAMENTALS OF BIOTECHNOLOGY	3(3-0)	Major
BIOTECH-503	PLANT CELL TISSUE AND ORGAN CULTURE	3(2-1)	Major
BIOTECH-505	MOLECULAR CELL BIOLOGY	3(2-1)	Major
BIOTECH-507	INTRODUCTION TO BIOINFORMATICS	3(2-1)	Major
BIOTECH-509	MOLECULAR GENETICS	3(2-1)	Major
BIOTECH-511	TECHNIQUES IN BIOTECHNOLOGY	3(0-3)	Major
BIOTECH-513	MOLECULAR FORENSICS	2(2-0)	Major
TGM-501	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
Total Credit Hours		20	
6th Semester			
BIOTECH-502	RECOMBINANT DNA TECHNOLOGY	4(3-1)	Major
BIOTECH-504	APPLICATIONS OF BIOTECHNOLOGY IN AGRICULTURE	3(3-0)	Major
BIOTECH-506	MOLECULAR PLANT BREEDING	3(2-1)	Major
BIOTECH-508	PLANT TRANSFORMATION	3(2-1)	Major
BIOTECH-510	BIOLOGICAL DATA SCIENCE (This course will be offered in modules with department of Math & Stat)	3(1-2)	Major
BIOTECH-512	PRINCIPLES OF PLANT MOLECULAR PHYSIOLOGY	3(3-0)	Major
TGM-502	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
Total Credit Hours		19	
7th Semester			
BIOTECH-601	FUNDAMENTALS OF SEED MOLECULAR BIOLOGY	3(3-0)	Major
BIOTECH-603	FUNCTIONAL GENOMICS	3(2-1)	Major
BIOTECH-605	NANOBIOTECHNOLOGY (This course will be offered in modules with department of chemistry)	3(3-0)	Major
BIOTECH-607	BIOSAFETY, BIOETHICS AND RISK ASSESSMENT	3(3-0)	Major
BIOTECH-609	SCIENTIFIC COMMUNICATIONS	3(2-1)	Major
BIOTECH-611	BIOTECHNOLOGY ENTERPRENEURSHIP (This course will be offered in modules with Department of IBMS)	3(3-0)	Major
BIOTECH-613	INTRODUCTORY SYSTEMS BIOLOGY	3(2-1)	Major
TGM-601	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
Total Credit Hours		20	
8th Semester			
BIOTECH-602	INTERNSHIP	3(0-3)	Major
BIOTECH-604	CAPSTONE REPORT	3(0-3)	Major
Total Credit Hours		6	