

**DEPARTMENT OF BOTANY
KAKTIYA UNIVERSITY
WARANGAL.**

EMPLOYABILITY

Semester-I		
Course code	Course title	Employability
BOT101	Biology of Diversity of Algae, Fungi, Bacteria and Viruses	Students can establish algal culture labs, to supply biofertilizers to the farmers
BOT102	Biology and Diversity of Bryophyta, Pteridophyta and Cycadophyta	Becomes teacher to teach about evolution of lower gp of plants
BOT103	Systematics of Magnoliophyta and Ethnobotany	Plant identification centre can be established
BOT104	Biostatistics, Techniques in Plant Biology and Bioinformatics	Biochemistry lab can be established to detect various compounds
Semester-II		
BOT201	Cytology, Genetics and Cytogenetics	Employability in teaching and research
BOT202	Ecology, Evolution Phytogeography	Employability in teaching
BOT203	Plant Development and Reproductive Biology	Employability in agriculture and Teaching
BOT204	Plant Resources Utilization	Employability in establishment of self employment
Semester-III		
BOT301	Plant Physiology and Biochemistry	Employability Teaching & Research
BOT302	Molecular Biology and Bioengineering	Employability in industries
BOT303	Elective-I	
Elective-I (a)	Plant Biosystematics	Employability in teaching & research
Elective-I (b)	Microbial Ecology	Employability in teaching & research
Elective-I (c)	Medicinal Plant Chemistry and Pharmacognosy	Employability in Pharmaceutical industry
BOT304	Elective-II	
Elective-II (a)	Plant Cell, Tissue and Organ Culture	Employability in Research and Horticulture industry
Elective-II (b)	Advanced Plant Physiology	Employability in Research
Elective-II (c)	Plant Breeding	Employability in production of hybrid seeds
Semester-IV		
BOT401	Biodiversity: Conservation and Management	Employability in Forest related fields
BOT402	Plant Biotechnology	Employability in Biotechnological laboratories
BOT403	Elective-I	
Elective-I (a)	Ethnobotany	Establishment of Ethnomedicinal practices
Elective-I (b)	Crop Improvement	Employability in production of hybrid seeds of crop plants
Elective-I (c)	Agricultural Biotechnology	Employability in Research & Agriculture
BOT404	Elective-II	
Elective-II (a)	Biocontrol of Plant Diseases and Insect pests	Employability in pesticide industries
Elective-II (b)	Industrial Microbiology	Employability In Baking and Brewing industries
Elective-II (c)	Applied Phycology	Employability in teaching