

S.No.	COURSE NO.	COURSE TITLE	CREDIT HOURS
<b>SEMESTER-I</b>			
1	PPHY-501	PRINCIPLES OF PLANT PHYSIOLOGY	3+1
2	PPHY-502	HORMONAL REGULATION OF PLANT GROWTH AND DEVELOPMENT	2+1
3	PPHY-503	PHYSIOLOGY OF GROWTH AND YIELD AND MODELING	1+1
4	PPHY-506	PLANT DEVELOPMENT BIOLOGY –PHYSIOLOGICAL AND MOLECULAR BASIS	2+0
5	PPHY-507	PHYSIOLOGY OF CROP PLANTS –SPECIFIC CASE STUDIES	2+0
6	PPHY-508	MORPHOGENESIS, TISSUE CULTURE AND TRANSFORMATION	2+1
7	PPHY-509	PHYSIOLOGICAL AND MOLECULAR ASPECTS OF PHOTOSYNTHESIS CARBON AND NITROGEN ASSIMILATION	2+1
8	PP-501	PRINCIPLES OF PLANT PHYSIOLOGY –I, PLANT WATER RELATIONS AND MINERAL NUTRITION	2+1
9	PP-503	PLANT DEVELOPMENTAL BIOLOGY: PHYSIOLOGICAL AND MOLECULAR BASIS	2+1
10	PP-505	HORMONAL REGULATION OF PLANT GROWTH AND DEVELOPMENT	2+1
11	PP-507	PHOTOSYNTHETIC PROCESSES, CROP GROWTH AND PRODUCTIVITY AND CONCEPTS OF CROP MODELLING	2+1
12	PPHY/PP-591	MASTER’S SEMINAR	1+0
<b>SEMESTER-II</b>			
1	PPHY-504	PHYSIOLOGICAL AND MOLECULAR RESPONSES OF PLANTS TO ABIOTIC STRESSES	2+1
2	PPHY-505	MINERAL NUTRITION	2+1
3	PPHY-506	PLANT DEVELOPMENTAL BIOLOGY- PHYSIOLOGICAL AND MOLECULAR BASIS	2+0
4	PPHY-507	PHYSIOLOGY OF CROP PLANTS -SPECIFIC CASE STUDIES	2+0
5	PPHY-508	MORPHOGENESIS, TISSUE CULTURE AND TRANSFORMATION	2+1
6	PPHY-509	PHYSIOLOGICAL AND MOLECULAR ASPECTS OF PHOTOSYNTHESIS- CARBON AND NITROGEN ASSIMILATION	2+1
7	PP-502	PRINCIPLES OF PLANT PHYSIOLOGY-II METABOLIC PROCESS AND GROWTH REGULATION	2+1
8	PP-504	PHYSIOLOGICAL AND MOLECULAR RESPONSES OF PLANTS TO ABIOTIC STRESSES	2+1
9	PP-506	PHYSIOLOGICAL AND MOLECULAR MECHANISMS OF MINERAL NUTRIENT ACQUISITION AND THEIR FUNCTIONS	2+1
10	PP-508	PHYSIOLOGY OF FIELD CROPS	2+1
11	PP-509	PHYSIOLOGY OF HORTICULTURE CROPS	2+1
12	PP-510	SEED PHYSIOLOGY	2+1
13	PP/PPHY-591	MASTER SEMINAR	1+0