

## Plant Physiology

Course Code	Course Name	Credit-L	Credit-P
<b>I-SEMESTER</b>			
AGR 006	CROP MORPHOLOGY AND PHYSIOLOGY	1	1
PP 501*	PRINCIPLES OF PLANT PHYSIOLOGY	3	1
PP 502*	PLANT DEVELOPMENTAL BIOLOGY – PHYSIOLOGICAL AND MOLECULAR BASIS	2	0
PP 504*	HORMONAL REGULATION OF PLANT GROWTH AND DEVELOPMENT	2	1
PP 507/ MBB 505	GENOME ORGANIZATION IN HIGHER PLANTS/MOLECULAR GENETICS	3	0
PP 509	PHYSIOLOGY OF CROP PLANTS-SPECIFIC CASE STUDIES	2	0
PP 503*	PHYSIOLOGICAL AND MOLECULAR RESPONSES OF PLANTS TO ABIOTIC STRESSES	2	1
PP 603**	MOLECULAR APPROACHES FOR IMPROVING PHYSIOLOGICAL TRAITS	2	1
PP 510	PHYSIOLOGICAL AND MOLECULAR ASPECTS OF PHOTOSYNTHESIS- CARBON AND NITROGEN ASSIMILATION	2	1
PP 605/ ES 503	CLIMATE CHANGE AND CLIMATE SMART AGRICULTURE	2	1
PP 606	POST HARVEST PHYSIOLOGY	2	0
PP 591/PP 691	MASTER’S/DOCTORAL SEMINAR	1	0
<b>II-SEMESTER</b>			
PP 601**/ BIOCHEM 605	GENOMICS AND METABOLOMICS	3	0
PP 506*	PHYSIOLOGY FUNCTIONAL OF GROWTH AND YIELD AND MODELING	1	1
PP 508*/ MBB 504	MORPHOGENESIS, TISSUE CULTURE AND GENETIC TRANSFORMATION	2	2
PP 604**/ BIOCHEM 505	TECHNIQUES IN PLANT PHYSIOLOGY/BIOCHEMISTRY	1	2
PP 511	MINERAL NUTRITION	2	1
PP602**	SIGNAL PERCEPTIONS AND TRANSDUCTION AND REGULATION OF PHYSIOLOGICAL PROCESSES	2	0
PP 607	WEED PHYSIOLOGY AND HERBICIDE ACTION	1	1
PP 609	ADVANCES IN PLANT PHENOMICS	2	1
PP 608/SST509	SEED PHYSIOLOGY	2	1
PP 692	DOCTORAL SEMINAR II	1	0

### Core Courses:

**M.Sc.:** PP 501, PP502, PP503, PP504, PP506, PP508

**Ph.D.:** PP601, PP602, PP603, PP604