



**Sher-e-Kashmir University of Agricultural
Sciences and Technology of Jammu
Faculty of Basic Sciences
DIVISION OF PLANT PHYSIOLOGY**

Ph.D programme at a Glance

Minimum Credit required

Particulars	Credit Hrs.
Major	12
Minor	06
Supporting	05
Seminar	02
Research	75
Compulsory non-Credit Courses	05

S.No.	Course no.	Course Title	Credit hours	Semester
Major				
1.	PP-601	FUNCTIONAL GENOMICS AND GENES ASSOCIATED WITH A FEW PHYSIOLOGICAL PROCESSES	2+0	I
2.	PP-603	MOLECULAR APPROACHES FOR IMPROVING PHYSIOLOGICAL MECHANISMS THROUGH TRAIT INTROGRESSION	2+1	I
3.	PP-605	EXPERIMENTAL TECHNIQUES TO CHARACTERIZE PLANT PROCESSES FOR CROP IMPROVEMENT	0+2	I
4.	PP-607*	PHYSIOLOGICAL AND MOLECULAR ASPECTS OF SOURCE SINK CAPACITY FOR ENHANCING YIELD	3+0	I
5.	PP-609	PLANT –MICROBE INTERACTIONS	2+1	I
6.	PP-691	DOCTORAL SEMINAR -I	1+0	I / II
7.	PP-692	DOCTORAL SEMINAR -II	1+0	I / II
8.	PP-602*	SIGNAL PERCEPTIONS AND TRANSDUCTION AND REGULATION OF PHYSIOLOGICAL PROCESSES	2+0	II
9.	PP-604	PLANT PHENOMICS –NEXT GENERATION PHENOMICS PLATFORMS	2+0	II
10.	PP-506	GLOBAL CLIMATE CHANGE AND CROP RESPONSE	2+0	II
11.	PP-608	SEED AND FRUIT GROWTH AND THEIR QUALITY IMPROVEMENT	2+0	II
12.	PP-610	WEEDBIOLOGY AND PHYSIOLOGY OF HERBICIDE ACTION	2+0	II
13.	PP-699	DOCTORAL RESEARCH	0+75	I / II

*** Core courses**

