



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

M.Sc. programme at a Glance

Minimum Credit required

Particulars	Credit Hrs.
Major	20
Minor	08
Supporting	06
Seminar	01
Research	30
Compulsory non-Credit Courses	05

S.No.	Course No.	Course Title	Credit Hours	Semester
Major:				
1.	PP-501*	PRINCIPLES OF PLANT PHYSIOLOGY –I: PLANT WATER RELATIONS AND MINERAL NUTRITION	2+1	I
2.	PP-503*	PLANT DEVELOPMENTAL BIOLOGY: PHYSIOLOGICAL AND MOLECULAR BASIS	2+1	I
3.	PP-505	HORMONAL REGULATION OF PLANT GROWTH AND DEVELOPMENT	2+1	I
4.	PP-507	PHOTOSYNTHETIC PROCESSES, CROP GROWTH AND PRODUCTIVITY AND CONCEPTS OF CROP MODELLING	2+1	I
5.	PP-509	PHYSIOLOGY OF HORTICULTURE CROPS	2+0	I
6.	PP-511	PHENOTYPIC PHYSIOLOGICAL PROCESSES	2+0	I
7.	PP-591	MASTER'S SEMINAR	1+0	I / II
8.	PP-502*	PRINCIPLES OF PLANT PHYSIOLOGY-II METABOLIC PROCESS AND GROWTH REGULATION	2+1	II
9.	PP-504	PHYSIOLOGICAL AND MOLECULAR RESPONSES OF PLANTS TO ABIOTIC STRESSES	2+1	II
10.	PP-506	PHYSIOLOGICAL AND MOLECULAR MECHANISMS OF MINERAL NUTRIENT ACQUISITION AND THEIR FUNCTIONS	2+1	II
11.	PP-508	PHYSIOLOGY OF FIELD CROPS	2+0	II
12.	PP-509	PHYSIOLOGY OF HORTICULTURE CROPS	2+0	II
13.	PP-510*	SEED PHYSIOLOGY	2+1	II
14.	PP-512	CROP GROWTH REGULATION AND MANAGEMENT	2+0	II
15.	PP-599	MASTER'S RESEARCH	0+30	I / II

* core courses