



ACTIVITIES
Department of Plant Physiology
N. M. College of Agriculture
Navsari Agricultural University, Navsari (Gujarat)



1. TEACHING ACTIVITIES

A. Undergraduate level

Sr. No.	Course No.	Course title	Credit
1	Pl. Phy 3.1	Fundamentals of Crop Physiology	2+1
2	Envs. 6.1	Environmental studies and Disaster Management	2+1
3	ELP 8.2	Plant Tissue Culture Technology	0+10

B. Master's level

Sr. No.	Code	Course title	Credit
1	PP 501*	Principles of Plant Physiology	3+1
2	PP 502*	Plant Developmental Biology – Physiological and Molecular Basis	2+0
3	PP 503*	Physiological and Molecular Responses of Plants to Abiotic Stresses	2+1
4	PP 504*	Hormonal Regulation of Plant Growth and Development	2+1
5	PP 506*	Physiology of Growth and Yield and Modeling	1+1
6	PP 508*	Morphogenesis, Tissue Culture and Transformation	2+1
7	PP 509	Physiology of Crop Plants – Specific Case Studies	2+0
8	PP 510	Physiological and Molecular Aspects of Photosynthesis- Carbon and Nitrogen Assimilation	2+1
9	PP 511	Mineral Nutrition	2+1
10	PP 591	Master's Seminar	1+0
	PP 599	Master's Research	20

*Compulsory for Master's Programme

C. Doctoral level

Sr. No.	Code	Course title	Credit
1	PP 601**	Functional Genomics and Genes Associated With A Few Physiological Processes	2+0
2	PP602**	Signal Perceptions and Transduction and Regulation of Physiological Processes	2+0

Sr. No.	Code	Course title	Credit
3	PP 603**	Molecular Approaches For Improving Physiological Traits	2+1
4	PP 604	Techniques in Plant Physiology	1+2
5	PP 606	Post Harvest Physiology	2+0
6	PP 608	Seed Physiology	2+1
7	PP 691	Doctoral Seminar I	1+0
8	PP 692	Doctoral Seminar II	1+0
9	PP 699	Doctoral Research	45

** Compulsory for Ph.D. Programme

2. RESEARCH ACTIVITIES

A. Current Research Projects

Sr. No.	Title of Project	Principle Investigator	Co-PI	Budget Head
Plan (01)				
1	Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology of Agriculture College at Navsari	Dr. Ajay V Narwade	-	12135

3. EXTENSION ACTIVITIES

- Need based plant tissue culture training and demonstration to the college students, RA, SRF and students of secondary and higher secondary schools.
- Staff is actively participating in *Krishi Mahotsav* and RAWE programme.