

**A. Agriculture & Engineering Disciplines**

**1. Agricultural Biotechnology**

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
ABT-501	Principles of Biotechnology	3(2-0-1)	12-1		2-5	11-12		
PGS-504	Basic Concepts in Lab Techniques	1(0-0-1)					2-5	
ABT-505	Plant Tissue Culture & Genetic Transformation	3(1-0-2)	2-5			2-5	10-11	
ABT-506	Molecular Breeding	2(2-0-0)	9-10		9-10			
ABT-507	Genomics & Proteomics	2(2-0-0)	11-12	11-12				
ABT-508	Tech. in Molecular Biology II	3(0-0-3)	2-5		2-5		2-5	
ABT-509	Bio-safety IPR Bioethics	3(2-0-1)		2-5		11-12	12-1	
ABT-510	General Biochemistry	3(3-0-0)	11-12		11-12		10-11	
ABT-511	Principles of Microbiology	3(2-0-1)	2-5	9-10		12-1		
ABT-512	Introduction to Bioinformatics	3(2-0-1)		11-12	11-12	2-5		
ABT-591/ 691	Master's/ Doctoral Seminar	1	12-1					
ABT-601	Advances in Plant Molecular Biology	3(3-0-0)	10-11		10-11		11-12	
ABT-604	Advances in Crop Biotechnology	3(3-0-0)		12-1	12-1		12-1	
ABT-606	Commercial Plant Tissue Culture	2(2-0-0)		11-12	12-1			

## 2. Agricultural Economics and Management

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
AG. ECON 501	Micro Economic Theory & Applications	2(2-0-0)	11-12			11-12		
AG. ECON 502	Micro Economics and Policy	2(2-0-0)		12-1	11-12			
AG. ECON 503	Evolution of Economic Thought	1 (1-0-0)	12-1					
AG. ECON 505	Agri. Marketing and PA	3(2-0-1)		11-12 2-5			10-11	

## 3. Agricultural Engineering and Food Technology

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
PFE 502	Engg. Properties of Food Materials	3(2-0-1)				10-11 2-5	12-1	
PFE 506	Processing of Cereals, Pulses & Oilseeds	3(2-0-1)		12-1	12-1		2-5	
PFE 508	Fruits and Vegetables Process Engg.	3(2-0-1)	2-5	10-11	10-11			
PFE 513	Storage Engg. & Handling of Agricultural Products	3(2-0-1)		2-5	11-12		11-12	
PFE 602	Advances in Food Processing	3(2-0-1)	12-1	2-5	12-1			
PFE 605	Agricultural Wastes and By Products Utilization	3(2-0-1)		10-11		10-11	2-5	
PFE 692	Doctoral Seminar	1		12-1				
PGS 506	Disaster Management	1(1-0-0)		5-6				

#### 4. Agricultural Extension

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
EXT -501	Development Perspective of Extension Education	2(1-0-1)				10-11 2-5		
EXT -502	Development Communication & Information Management	3(2-0-1)		10-11 2-5			11-12	
EXT -503	Diffusion & Adoption of Innovations	3(2-0-1)	11-12	2-5	11-12			
EXT -504	Research Methods in Behavioral Science	3(2-0-1)	10-11		12-1	2-5		
EXT -507	Human Resource Development	3(2-0-1)	10-11		12-1		2-5	
PGS -505	Ag. Res., Res, Ethics & Rural Development	1(1-0-0)				5-6 (M.Sc.)	5-6 ( Ph. D.)	
EXT 601	Advances in Agricultural Extension	3(2-0-1)	12-1	10-11		2-5		
EXT 602	Advanced Design & Tech in Social Science Research	3(2-0-1)	9-10	11-12			2-5	
EXT 605	Advanced Instructional Technology	3(2-0-1)		11-12 2-5		10-11		
EXT 691/692	Seminar	1(0-0-1)		12-1				
EXT 699	Thesis Research							

## 5. Agronomy

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
AGRON 503	Principles and Practices of Weed Management	3(2-0-1)			10-11	10-11 2-5		
AGRON 504	Principles and Practices of Water Management	3(2-0-1)		9-10 2-5			10-11	
AGRON 506	Agronomy of Major Cereals & Pulses	3(2-0-1)		10-11	12-1		2-5	
AGRON 508	Agronomy of Medicinal, Aromatic and Underutilized Crops	3(2-0-1)	11-12			11-12	2-5	
AGRON 512	Dry Land Farming	3(2-0-1)	10-11			10-11	2-5	
AGRON 601	Current Trends in Agronomy	3(3-0-0)	11-12			11-12	11-12	
AGRON 602	Crop Ecology	2(2-0-0)			10-11	10-11		
AGRON 603	Crop Production and System Modeling	3(2-0-1)		9-10 2-5	9-10			
AGRON 607	Integrated Farming System	2(2-0-0)	10-11			10-11		
AGRON 591/691/692	Seminar	1(1-0-0)	12-1					

## 6. Entomology

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
ENT 501	Insect Morphology	2 (1-0-1)		10-11		2-5		
ENT 502	Insect Anatomy, Physiology & Nutrition	3 (2-0-1)		2-5	12-1	12-1		
ENT 504	Classification of Insects	3 (2-0-1)		12-1	11-12		2-5	
ENT 506	Insect Pathology	2 (1-0-1)			2-5		10-11	
ENT 508	Toxicology of Insecticides	3 (2-0-1)	11-12 2-5				11-12	
ENT 510	Principles of Integrated Pest Management	2 (2-0-0)				10-11	12-1	
ENT 518	Techniques in Plant Protection	1 (0-0-1)	10-1					
ENT 602	Immature Stages of Insects	2 (1-0-1)		12-1	10-1			
ENT 603	Advanced Insect Physiology	2 (2-0-0)		11-12		11-12		
ENT 611	Molecular Approaches in Entomological Research	2(1-0-1)			9-10 2-5			
ENT 692	Doctoral Seminar II	1(1-0-0)			10-11			

## 7. Genetics and Plant Breeding

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
GP-501	Principles of Genetics	3(2-0-1)		12-1		11-12 2-5		
GP-503	Principles of Plant Breeding	3(2-0-1)		12-1	9-10	2-5		
GP-504	Principles of Quantitative Genetics	3(2-0-1)		11-12	11-12		2-5	
GP-507	Heterosis Breeding	2(1-0-1)		2-5		12-1		
GP-603	Genomics in Plant Breeding	3(2-0-1)		11-12	10-11	2-5		
GP-605	Advanced Plant Breeding System	2(2-0-0)			12-1	11-12		
GP-591/692	Seminar	1(0-0-1)					11-12	

## 8. Horticulture

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
APH-503	Systemic Horticulture	3(2-0-1)		12-1		12-1	10-1	
APH-521	Advanced Floriculture	3 (2-0-1)	12-1 2-5			11-12		
APH-531	Medicinal & Aromatic Plants	3(2-0-1)	11-12	11-12		2-5		
APH 610	Seminar	1(0-0-1)					2-5	
APH 620	Special Problem	2(0-0-2)						
APH 711	Nutrition of Horticultural Crops	4(3-0-0)	10-11	11-12	2-5	10-11		
APH-733	Research Methods in Horticulture	2(0-0-2)		2-5	10-1			

## 9. Plant Pathology

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
Pl. Patho. 501	Mycology	3 (2-0-1)	11-12		12-1		2-5	
Pl. Patho. 502	Plant Virology	3 (2-0-1)		11-12 2-5	10-11			
Pl. Patho. 504	Principles of Plant Pathology	3 (3-0-0)		10-11	10-11	10-11		
Pl. Patho. 505	Detection & Diagnosis of Plant Diseases	2 (0-0-2)			2-5	2-5		
Pl. Patho. 508	Diseases of Fruits, Plantation and Ornamental Crops	3 (2-0-1)			12-1 2-5	11-12		
Pl. Patho. 512	Ecology of Soil Born Plant Pathogens	3 (2-0-1)			12-1	12-1 2-5		
Pl. Patho. 515	Biological Control of Plant Diseases	3 (2-0-1)	10-11	11-12 2-5				
Pl. Patho. 517	Mushroom Production Technology	3 (2-0-1)	10-11 2-5				11-12	
Pl. Patho. 604	Molecular Basis of Host Pathogen Interaction	3 (2-0-1)			12-1 2-5	12-1		
Pl. Path.591 / 691/692	Seminar	1 (0-0-1)	12-1					



### 10. Soil Science

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
SOILS 502	Soil Fertility & Fertilizer Use	4 (3-0-1)	12-1 2-5		10-11	10-11		
SOILS 505	Soil Chemistry	3 (2-0-1)	10-11			2-5	11-12	
SOILS 506	Soil Biology & Biochemistry	3 (2-0-1)			9-10	2-5	9-10	
SOILS 513	Management of Problem Soils & Waters	3(2-0-0)				12-1	12-1 2-5	
SOILS 601	Advance in Soil Physics	2 (2-0-0)			10-11	10-11		
SOILS 602	Advance in Soil Fertility	2 (2-0-0)				12-1	12-1	
SOILS 591/691	Seminar	1(0-0-1)	12-1					

**B. Basic Sciences and Humanities**  
**11. Basic Sciences and Humanities**

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
BBC-501	Basic Biochemistry	4(3-0-1)	9-10			10-11	11-12 2-5	
PGS-501	Library Science & Information Services*	<b>1(0-0-1)</b>			9-10 (Sec. A)	9-10 (Sec. B)		
MCA-502	Introduction to Networking & Internet Application	2 (1-0-1)			2-5	11-12		
STAT-512	Experimental Design	3 (2-0-1)	9-10 10-1				9-10	
STAT 513	Statistical Methods for Social Sciences	3(2-0-1)	2-5		10-11		12-1	
STAT 514	Mathematics for Ag. Economics	3 (3-0-0)			12-1	12-1	11-12	
BPS 661	Experimental Statistics	4 (3-0-1)		9-10 10-1	11-12		10-11	

\***LSIS**- Students will be visiting library twice a week; each visit shall be of 3 hours, instructor will remain available therein from Mon to Thu

**C. Biotechnology**

**12. Biotechnology**

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
BTC-510	Recent Development in Cell Biology	2 (2-0-0)	12-1				12-1	
BTF-510	Plant Biotechnology	2 (2-0-0)	11-12		10-11			
BTI-510	Principles of Immunology	2 (2-0-0)		10-11		10-11		
BTM-510	Principles of Genetics	3 (3-0-0)	10-11		12-1		11-12	
BTR-510	Genomics & Epigenomics	2 (2-0-0)	12-1	10-11				
BTO-510	Industrial Biotechnology	2(2-0-0)			12-1	12-1		
BTB-520	Proteomics	2(2-0-0)	10-11	12-1				
BTC-520	Cell Signaling	2 (2-0-0)				11-12	12-1	
BTI-520	Bioinformatics	1 (1-0-0)					11-12	
BTM-530	Principles of Molecular Biology & Genetics Engineering	2 (2-0-0)		11-12		11-12		
BTP-530	Advanced Microbial Techniques	3 (2-0-1)		2-3		2-3	2-5	
BTM 550	Nanotechnology	2(2-0-0)				10-11	10-11	
PGS 503	IPR and its Management in Agriculture		5-6					

## D. Veterinary and Animal Sciences

### 13. Animal Husbandry

Course			Class Schedule					
Number	Title	Credit hrs. (L-T-P)	Mon	Tue	Wed	Thu	Fri	Sat
AAH-410	Poultry Breeding	3(2-0-1)	9-10		9-10	2-5		
AAH-420	Poultry Feeding	3(2-0-1)	11-12		11-12,2-5			
AAH-480	Sheep, Goat and Swine Breeding	3(2-0-1)	2-5		11-12	12-1		
AAH-510	Dairy Cattle Breeding	3(2-0-1)	10-11		10-11,2-5			
AAH-520	Dairy Cattle Feeding	3(2-0-1)	9-10,2-5			9-10		
AAH-540	Nutritional Physiology of Animals	3(3-0-0)	11-12		9-10	11-12		
AAH-550	Speciation and Evolution as applied to Livestock Population	3(3-0-0)	9-10		9-10	9-10		
AAH-560	Livestock Physiology	3(3-0-0)	12-1			10-11	11-12	
AAH-570	Application of Selection Theory	3(2-0-1)			12-1		12-1, 2-5	
AAH-590	Experimental Techniques in Animal Nutrition	2(1-0-1)				2-5	11-12	
AAH-610	Seminar	1(1-0-0)	12-1					
AAH-630	Population Genetics	4(3-0-1)	12-1	12-1, 2-5			12-1	
AAH-650	Quantitative Genetics as Applied to Animal Breeding II	2(1-0-1)	11-12		2-5			
AAH-660	Non- Ruminant Nutrition	3(2-0-1)			12-1		9-10, 2-5	
AAH - 710	Advances in Dairy Animal Production	3(3-0-0)	10-11			10-11	10-11	
AAH - 720	Commercial Dairy Herd Management	3(2-0-1)		10-11,2-5	10-11			
AAH - 750	Protein Nutrition	2(2-0-0)	2-3		2-3			