

ORDER

The following courses will be offered to M.Sc. (Ag.) 1st Year & Ph.D. 1st Year students for II Semester, Session 2022-23.

Course No.	Course Title	Credit	Instructor
Agricultural Economics			
AEC-502	Agricultural Production Economics	2(1+1)	Dr. R. R. Kushwaha Dr. K.K. Singh
AEC-504	Macro Economic & Policy	2(2+0)	Dr. Supriya Dr. K.K. Singh
AEC-505	Econometrics	3(2+1)	Dr. K.K. Singh Dr. Supriya
AEC-507	Agricultural Finance & Project Mangement	3(2+1)	Dr. K.K. Singh Dr. R. R. Kushwaha
STAT-502	Mathematics for applied science/ Agricultural Economics	3(2+1)	Dr. Manish Kumar Dr. K.K. Singh
AEC-603	Advanced Econometrics	3(2+1)	Dr. K.K. Singh Dr. Supriya
AEC-608	Natural Resources & Management	3(2+1)	Dr. R. R. Kushwaha Dr. Anil Kumar
Agricultural Statistics			
*STAT 562	Statistical Inference	3 (2+1)	Dr. Manish Kumar Dr. Vishal Mehta
*STAT 563	Design of Experiments	3 (2+1)	Dr. Vishal Mehta Dr. Manish Kumar
*STAT 564	Sampling Techniques	3 (2+1)	Dr. Manish Kumar Dr. Vishal Mehta
STAT 511	Experimental Designs	3(2+1)	Dr. Vishal Mehta Dr. Manish Kumar
STAT 599	Master's Research	Variable	Major Advisors
*STAT 604	Advanced Statistical Methods	3(2+1)	Dr. Manish Kumar Dr. Vishal Mehta
STAT 612	Advanced Design of Experiments	3 (2+1)	Dr. Vishal Mehta Dr. Manish Kumar
STAT 699	Doctoral Research	Variable	Major Advisors
* Core courses			
Agro meteorology			
AGM-502	Fundamentals of Agricultural Meteorology	3(2+1)	Dr. S.R. Mishra Dr. A.K. Singh
AGM-508	Applied Agricultural Climatology	3(1+2)	Sri A.N. Mishra Dr. S.R. Mishra
AGM-509	Weather Forecasting	3(2+1)	Sri A.N. Mishra Dr. S.R. Mishra
AGM-599	Master's Research	variable	Major advisor

AGM-605	Analytical tools and methods for Agro-meteorology	2(1+1)	Dr. A.K. Singh Dr. S.R. Mishra
AGM-607	Weather and Climate Risk Management	3(3+0)	Dr. S.R. Mishra Dr. A.K. Singh
AGM-699	Ph.D. Research	variable	Major advisor
Plant Pathology			
PL PATH 503	Plant Pathogenic Prokaryotes	3(2+1)	Dr. S. K. Singh Dr. S.N. Rahul
PL PATH 515	Diseases of Field and Medicinal Crops	3(2+1)	Dr. Subhash Chandra Dr. R. Chand
PL PATH 521	Master's Research	Variable	Variable Advisor
PL PATH 601	Advances in Mycology	3(2+1)	Dr. R.S Mishra Dr. Vindeshwari Prasad
PL PATH 699	Doctoral Research	Variable	Variable Advisor
Genetics & Plant Breeding			
GPB 503	Fundamentals of Quantitative Genetics	3(2+1)	Dr. Shiva Nath Dr. Piyusha Singh
GPB 506	Molecular Breeding and Bioinformatics	3(2+1)	Dr. Piyusha Singh Dr. Shiva Nath
GPB 509	Hybrid Breeding	3(2+1)	Dr. Shiva Nath
GPB 599	M.Sc. (Ag.) Research	Variable	Major Advisor
GPB 605	Genomics in Plant Breeding	3(3+0)	Dr. Piyusha Singh Dr. Shiva Nath
GPB 609	IPR and Regulatory Mechanism (e-course)	1(1+0)	Dr. Shiva Nath and Dr.Piyusha Singh
GPB 699	Ph.D Research	Variable	Major Advisor
Entomology			
ENT-503	Insect Taxonomy	3 (1+2)	Dr. Sameer Kumar Singh
ENT-505	Biological Control of Insect Pests and Weeds	3 (2+1)	Dr. Umesh Chandra
ENT-510	Pests of Horticultural and Plantation Crops	3 (2+1)	Dr. Umesh Chandra
ENT-511	Post-Harvest Entomology	2 (1+1)	Dr. Sameer Kumar Singh Dr. Umesh Chandra
ENT-599	Master's Research	Variable	Major Advisor
ENT-601	Insect Phylogeny and Systematics	3 (1+2)	Dr. Sameer Kumar Singh
ENT 607	Plant Resistance to Insects	2 (1+1)	Dr. Umesh Chandra & Dr. Sameer Kumar Singh
ENT 699	Doctoral Research	Variable	Major Advisor
Agronomy			
AGRON-503	Principles and Practices of Weed Management	3(2+1)	Dr. Vishuddhanand Dr. A.K. Singh
AGRON-504	Principles and Practices of Water Management	3(2+1)	Dr. A.K. Singh Dr. Rajesh Kumar
AGRON-511	Cropping System and Sustainable Agriculture	2(2+0)	Dr. A.K. Singh & Dr. Vishuddhanand
AGRON-560	Master's Research	6(0+6)	Major Advisor
AGRON-602	Recent Trends in Crop Growth & Productivity	3(2+1)	Dr. A.K. Singh Dr. Rajesh Kumar
AGRON-608	Research and Publication Ethics	2(2+0)	Dr. Rajesh Kumar

			Dr. A.K. Singh
AGRON-699	Doctoral Research	8(0+8)	Major Advisor
Extension Education			
Ext-504	Research Methodology in Extension	3(2+1)	Dr. N.R. Meena Dr. R.K. Doharey
Ext-505	Capacity Development	3(2+1)	Dr. R.K. Doharey Dr. N.R. Meena
Ext-508	Managing Extension organizations	3(2+1)	Dr. N.R. Meena Dr. R.K. Doharey
Ext-509	Enabling Innovation	2(1+1)	Dr. N.R. Meena Dr. R.K. Doharey
Ext-592	Masters Research	Variable	Major Advisor
Ext-600	Thesis submission and Viva-voce	Variable	Major Advisor
Ext-602	Methodologies for Social and Behavioral Sciences	3(2+1)	Dr. R.K. Doharey Dr. N.R. Meena
Ext-607	Facilitation for people Centric Development	3(2+1)	Dr. N.R. Meena Dr. R.K. Doharey
Ext-692	Doctoral Research	8(0+8)	Major Advisor
Ext-700	Ph.D. Research	Variable	Major Advisor
Crop Physiology			
PP504	Physiological and Molecular Responses of Plants to Abiotic Stresses	2+1	Dr. A.K. Singh Dr. Alok Kumar Singh
PP 505	Hormonal Regulation of Plant Growth and Development	2+1	Dr. R.K. Yadav Dr. Alok Kumar Singh
PP 506	Physiological and Molecular Mechanisms of Mineral Nutrient Acquisition and their Functions	2+1	Dr. Alok Kumar Singh Dr. R.K. Yadav
PP 507	Photosynthetic Processes, Crop Growth and Productivity and Concepts of Crop Modeling	2+1	Dr. Raj Bahadur Dr. A.K. Singh
PP 591	Master's Seminar	1+0	Dr. A.K. Singh
PP 599	Master Research		Variable
PP 607	Physiological and Molecular Aspects of Source-sink Capacity for Enhancing Yield	3+0	DR. A.K. Singh Dr. R.K. Yadav
PP 692	Doctoral Seminar I	1+0	Dr.A.K.Singh
PP 699	Doctoral Research	Variable	Variable
PMB & GE			
MBB 502	Fundamentals of Molecular Biology (<i>Core Course</i>)	3(3+0)	Dr. N.A. Khan Dr. D. K. Dwivedi
MBB 504	Techniques in Molecular Biology I (<i>Core Course</i>)	3(0+3)	Dr. N.A. Khan Dr. D.K.Dwivedi
MBB 506	Plant Genetic Engineering (<i>Optional Course</i>)	3(3+0)	Dr. Shambhoo Prasad Dr. Adesh Kumar
MBB 511	Molecular Plant Breeding (<i>Optional Course</i>)	3(2+1)	Dr. D.K. Dwivedi Dr. N.A. Khan
MBB 512	IPR, Bio-safety and Bio-ethics (<i>Optional Course</i>)	2(2+0)	Dr. Adesh Kumar Dr. Shambhoo Prasad
MBB 513	Immunology and Molecular Diagnostics (<i>Optional Course</i>)	3(3+0)	Dr. N. A. Khan Dr. Adesh Kumar
MBB 591	M.Sc. (Ag.) Seminar	1(0+1)	Dr. D.K.Dwivedi
MBB 500	M.Sc. (Ag.) Research	Variable	Major Advisor
MBB 602	Plant Genome Engineering	3(3+0)	Dr. Shambhoo Prasad

	(Core Course)		Dr. Adesh Kumar
MBB 603	Plant Omics and Molecular Breeding (Optional)	2(2+0)	Dr. D.K. Dwivedi, Dr. N.A. Khan
MBB 606	RNA Biology (Optional)	1(1+0)	Dr. Shambhoo Prasad
MBB 607	Plant Hormones and Signaling (Optional)	2(2+0)	Dr. Shambhoo Prasad Dr. Adesh Kumar
MBB 691	Ph.D. Seminar II	1(0+1)	Dr. D.K.Dwivedi
MBB600	Ph.D. Research	Variable	Major Advisor
Soil Science & Agril. Chemistry			
Soil-501	Soil Physics	3(2+1)	Dr. Suresh Kumar Dr. Ved Prakash
Soil-502	Soil Fertility and Fertilizer Use	3(2+1)	Dr. Neeraj Kumar Dr. Robin Kumar
Soil-503	Soil Chemistry	3(2+1)	Dr. Ved Prakash Dr. Suresh Kumar
Soil-591	M.Sc. (Ag) Seminar	1(0+1)	Dr. Robin Kumar Dr. Neeraj Kumar
SS-600	M.Sc. (Ag) Research	Variable	Major Advisors
Soil-599	M.Sc. (Ag) Thesis	Variable	Major Advisors
Soil-601	Recent trends in soil physics	3(2+1)	Dr. Suresh Kumar Dr. Ved Prakash
Soil-602	Modern concept in soil fertility	3(2+1)	Dr. Neeraj Kumar Dr. Robin Kumar
Soil-691	Ph.D. Seminar	1(0+1)	Dr. Alok Kumar Pandey Dr. Robin Kumar
SS-700	Ph.D. Research	Variable	Major Advisors
Soil-699	Ph.D. Research	Variable	Major Advisors
Agril. Biochemistry			
BIOCHEM-505	Techniques in Biochemistry.	4(2+2)	Dr. Ramesh P. Singh Dr. R.P.Singh
BIOCHEM-507	Plant Biochemistry.	3(3+1)	Dr. Pratibha Singh Dr. Ramesh P. Singh Dr. R.P. Singh
BIOCHEM-508	Animal Biochemistry.	3(2+1)	Dr. R.N. Kewat Dr. R.P. Singh
BIOCHEM-599	Master's Research		Variable Advisor
BIOCHEM-602	Advanced Molecular Biology	3(3+0)	Dr. Pratibha Singh Dr. Ramesh Pratap Singh
BIOCHEM-603	Biochemistry of Biotic and Abiotic Stress	3(3+0)	Dr. Rudra Pratap Singh Dr. R.N. Kewat
BIOCHEM-691	Doctoral Seminar	1(0+1)	Dr. Pratibha Singh
BIOCHEM-700	Ph.D. Research	Variable	Major Advisor
Seed Science & Technology			
SST 504	Seed Production Principles and Techniques in Vegetable Crops	3(2+1)	Dr. S.C. Vimal
SST 505	Seed Production Techniques in Fruits, Flowers, Spices, Plantation and Medicinal Crops	3(2+1)	Dr. S.C. Vimal
SST 506	Seed Production Techniques in Forage, Pasture and Green Manure Crops	2 (1+1)	Dr. S.C. Vimal
SST 599	M.Sc. (Ag.) Thesis Research	Variable	Major Advisor
SST 604	Genetic Purity and DUS Testing	3(2+1)	Dr. S.C. Vimal

SST 605	Seed Vigour and Crop Productivity	2(1+1)	Dr. S.C. Vimal Dr. Raj Bahadur
SST 699	Ph.D. Thesis Research	Variable	Major Advisor
Department of Agribusiness Management			
ABM 504	Human Resource Management For Agricultural Organization	2(2+0)	Dr. Supriya Dr. K.K. Singh
ABM 505	Production and Operation Management	2(2+0)	Dr. K.K. Singh Dr. Manish
ABM 506	Agricultural and Food Marketing Management-I	2(2+0)	Dr. R.R. Kushwaha Dr. Supriya
ABM 538	Financial Management fir Agribusiness Enterprise	2(2+0)	Dr. K.K. Singh Dr. Supriya
ABM 539	Communication for Management and Agribusiness	3(3+0)	Dr. K.K. Singh Dr. R.R. Kushwaha
ABM 540	Research Methodology for Agribusiness Management	3(3+0)	Dr. K.K. Singh Dr. Vishal Mehta
ABM 543	Agribusiness Laws & Ethics	2(2+0)	Dr. K.K. Singh Dr. Supriya
ABM 591	Master Seminar	1(0+1)	Dr. K.K. Singh
ABM 595	Summer Internship/ Industrial Management	4(0+4)	Dr. K.K. Singh
PGS 502	Technical Writing and Communication Skills	1(0+1)	Dr. Utkarsh Tripathi
PGS 503	Intellectual Property and its Management in Agriculture	1(1+0)	Dr. S. C. Vimal
PGS 505	Agricultural Research, Research Ethics and Rural Development Programme	1(1+0)	Dr. N.R. Meena

Xu
(Ved Prakah)
Dean, Agriculture

College of Agriculture (Administration)
Acharya Narendra Deva University of Agriculture & Technology
Narendra Nagar (Kumarganj), Ayodhya-224229 (U.P.)

No: ANDUAT-51/01/ DCA/TA/2022-2023/ 34

Dated: 13-04-2023

C.C. to –

1. All Heads/Incharge of Departments
2. All Instructors/Advisors
3. Dean, College of Vety. Science & Animal Husbandry
4. Dean, College of Horticulture & Forestry
5. Dean, College of Fisheries
6. Dean, College of Agril. Engg.
7. Dean College of Community Science
8. Registrar
9. Librarian
10. SVC for kind information of Hon'ble Vice Chancellor
11. Concerned students
12. Notice Boards (College/Hostels)

Xu
(Ved Prakash)
Dean, Agriculture