

ACADEMIC PROGRAMMES

There are sixty one courses are offered to the students for the B.Sc. (Hons.) Agri. Programme and forty seven in Polytechnic in Agriculture.

DEPARTMENT WISE COURSES

Course No.	Disciplines	Credits	
I. AGRONOMY			
1	Agron.1.1	Introductory Agriculture and Principles of Agronomy	3 (2+1)
2	Agron.1.2	Field Crops-I (<i>Kharif</i>)	3 (2+1)
3	Agron.2.3	Field Crops-II (<i>Rabi</i>)	3 (2+1)
4	Agron.3.4	Practical Crop Production-I (<i>Kharif</i> Crops)	1 (0+1)
5	Agron.3.5	Weed Management	2 (1+1)
6	Agron.4.6	Practical Crop Production-II (<i>Rabi</i> Crops)	1(0+1)
7	Agron.5.7	Water Management Including Micro-irrigation	3(2+1)
8	Agron.6.8	Organic Farming	2(1+1)
9	Agron.6.9	Farming Systems and Sustainable Agriculture	2(1+1)
		Total :	20(11+9)
II. PLANT BREEDING AND GENETICS			
1	PBG.1.1	Economic Botany	2 (1+1)
2	PBG.2.2	Principles of Genetics	3 (2+1)
3	PBG.3.3	Principles of Plant Breeding	3 (2+1)
4	PBG.4.4	Breeding of Field/Horticulture Crops	3 (2+1)
5	PBG.5.5	Principles of Seed Technology	3 (2+1)
6	PBG.6.6	Principles of Plant Biotechnology	3 (2+1)
		Total :	17 (11+6)
III. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY			
1	Ag.Chem.1.1	Introduction to Soil Science	3 (2+1)
2	Ag.Chem.2.2	Soil Chemistry, Soil Fertility and Nutrient Management	3(2+1)
3	Ag.Chem.6.3	Manures, Fertilizers and Agro-chemicals	3(2+1)
		Total :	9(6+3)
IV. ENTOMOLOGY			
1	Ag. Ento.3.1	Insect Morphology and Systematics	3(2+1)
2	Ag. Ento.4.2	Insect Ecology and Integrated Pest Management Including Beneficial Insects	3 (2+1)
3	Ag. Ento.5.3	Pests of Field Crops and Stored Grain and Their Management	3(2+1)
4	Ag. Ento.6.4	Pests of Horticultural Crops and Their Management	2(1+1)
		Total :	11(7+4)
V. AGRICULTURAL ECONOMICS			
1	Ag. Econ.2.1	Principles of Agricultural Economics	2(2+0)
2	Ag. Econ.3.2	Agricultural Marketing, Trade and Prices	2(1+1)

3	Ag. Econ.4.3	Agricultural Finance and Co-operation	2(1+1)
4	Ag. Econ.5.4	Fundamentals of Agril. Business Management	2(1+1)
5	Ag. Econ.6.5	Production Economics and Farm Management	2(1+1)
Total :			10(6+4)
VI. AGRICULTURAL ENGINEERING			
1	Ag. Engg.2.1	Fundamentals of Soil, Water and Conservation Engineering	3(2+1)
2	Ag. Engg.3.2	Farm Power and Machinery	2(1+1)
3	Ag. Engg.5.3	Protected Cultivation and Post Harvest Technology	2(1+1)
4	Ag.Engg.6.4	Renewable Energy	2(1+1)
Total :			9(5+4)
VII. AGRICULTURAL METEOROLOGY			
1	Ag. Met.2.1	Agricultural Meteorology	3(2+1)
Total :			3(2+1)
VIII. PLANT PATHOLOGY			
1	Pl.Path.1.1	Introductory Plant Pathology	2(1+1)
2	Pl.Path.3.2	Principles of Plant Pathology	2(1+1)
3	Pl.Path.5.3	Disease of Field Crops and their Management	3(2+1)
4	Pl.Path.6.4	Introductory Nematology	2(1+1)
5	Pl. Path.6.5	Diseases of Horticultural Crops and their Management	3(2+1)
Total :			12(7+5)
IX. HORTICULTURE			
1	Hort.1.1	Production Technology of Fruit Crops	3(2+1)
2	Hort.3.2	Production Technology of Vegetable and Flowers	3(2+1)
3	Hort.4.3	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops	3(2+1)
4	Hort.5.4	Post Harvest Management and Value Addition of Fruits and Vegetables	2(1+1)
Total :			11(7+4)
X. AGRICULTURAL EXTENSION			
1	Ag. Extn.3.1	Dimensions of Agricultural Extension	2(1+1)
2	Ag. Extn.4.2	Fundamentals of Rural Sociology and Educational Psychology	2(2+0)
3	Ag. Extn.5.3	Extension Methodologies for Transfer of Agricultural Technology	2(1+1)
4	Ag. Extn.6.4	Entrepreneurship Development	2(1+1)
Total :			8(5+3)
XI. BIOCHEMISTRY / PHYSIOLOGY / MICROBIOLOGY/ENVIRONMENTAL SCIENCES*/BIO-MATHEMATICS			
1	Maths.1.1	Bio-Mathematics	2(2+0)
2	Ag. Micro.2.1	Agricultural Microbiology	3(2+1)
3	Pl.Phy.3.1	Crop Physiology-I	3(2+1)
4	Pl.Phy.4.2	Crop Physiology-II	2(1+1)

5	Biochem.4.1	Biochemistry	3(2+1)
6	Envs.6.1	Environnemental Science	2(1+1)
Total :			15(10+5)
* The course to be taught by Dept. of Ag. Botany and Dept. of Agril. Chem. & Soil Sci. jointly			
XII. STATISTICS AND COMPUTER APPLICATION			
1	Ag. Stat.1.1	Introduction to computer Applications	2(1+1)
2	Ag.Stat.2.2	Agricultural Statistics	3(2+1)
Total :			5(3+2)
XIII. ANIMAL PRODUCTION			
1	LPM.4.1	Principles of Livestock Production and Management	2(1+1)
2	LPM.5.2	Dairy Cattle & Buffalo Production & Management	3(2+1)
Total :			5(3+2)
XIV. NON CREDIT COURSES			
1	Eng.1.1	Comprehension and Communication Skills in English	2(1+1)
2	Eng.4.2	English for special Purpose (Non credit course)	2 (1+1)*
XV. XVI. Physical Education (Non Credit Courses)			
3	P.E.1.1	Physical Education-I	1(0+1)*
4	P.E.2.2	Physical Educatoin-II	1(0+1)*
5	P.E.3.3	NSS/NCC/Physical Education	1(0+1)*
6	P.E.4.4	NSS/NCC/Physical Education	1(0+1)*
Total			4(0+4)*

* Non Credit Courses