



KL COLLEGE OF AGRICULTURE

SEMESTER WISE DISTRIBUTION OF COURSES

Second semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
First semester										
1	AGRO 101	Agriculture Heritage	PC	1	0	0	0	1	1	Fundamental course
2	AGRO 102	Fundamentals of Agronomy	PC	2	0	2	0	4	3	Fundamental course
3	BICM 101	Fundamentals of Plant Biochemistry and Biotechnology	PC	2	0	2	0	4	3	Fundamental course
4	ENGL 101	Comprehension and Communication Skills in English	HSS	1	0	2	0	3	2	Fundamental course
5	SSAC 121	Fundamentals of Soil Science	PC	2	0	2	0	4	3	Fundamental course
6	AECO 141	Fundamentals of Economics	PC	3	0	0	0	3	3	Fundamental course
7	HORT 181	Fundamentals of Horticulture	PC	1	0	2	0	3	2	Fundamental course
8	AEXT 190	Human Values and Ethics (non gradial)	HSS	1	0	0	0	1	1	Fundamental course
9	AEXT 191	Rural Sociology and Educational Psychology	PC	1	0	2	0	3	2	Fundamental course
10	COCA 100	NSS/NCC/Physical Education and Yoga Practices	HSS	0	0	4	0	4	2	Fundamental course
11	CPHY 161/SMCA101	Introductory Biology/Elementary Mathematics	BSS	1	0	2	0	3	2	Fundamental course
									24	

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1	AMBE 101	Agricultural Microbiology	PC	1	0	2	0	3	2	Fundamental course
2	AGRO 103	Introductory Agrometeorology and Climate Change	PC	1	0	2	0	3	2	Fundamental course
3	AGRO 104	Introduction to Forestry	PC	1	0	2	0	3	2	Fundamental course
4	GPBR 111	Fundamentals of Genetics	PC	2	0	2	0	4	3	Fundamental course
5	ENTO 131	Fundamentals of Entomology I(Insect Morphology and Taxonomy)	PC	2	0	2	0	4	3	Fundamental course
6	AENG 151	Soil and Water Conservation Engineering	PC	1	0	2	0	3	2	Fundamental course
7	CPHY 162	Fundamentals of Crop Physiology	PC	2	0	2	0	4	3	Fundamental course
8	PATH 171	Fundamentals of Plant Pathology I (Plant Pathogens - An Introduction)	PC	2	0	2	0	4	3	Fundamental course
9	HORT 182	Production Technology of Fruits and Plantation Crops	PC	1	0	2	0	3	2	Fundamental course
10	FIT2101	Fundamentals of Information Technology	PC	2	0	0	0	2	2	Fundamental course
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Third semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	AGRO 201	Crop Production Technology - I (Cereals, Millets and Pulses)	PC	2	0	2	0	4	3	23AGRO 101
2	GPBR 211	Fundamentals of Plant Breeding	PC	2	0	2	0	4	3	Fundamental course
	ENTO 231	Fundamentals of Entomology II (Insect Ecology and Concepts of IPM)	PC	1	0	2	0	3	2	23ENTO 131
4	AECO 241	Agricultural Finance and Co-operation	PC	1	0	2	0	3	2	23AECO 141
5	AENG 251	Farm Machinery and Power	PC	1	0	2	0	3	2	Fundamental course
6	CPHY 261	Eco-physiology	PC	1	0	2	0	3	2	23CPHY 162
7	PATH 271	Fundamentals of Plant Pathology II (Plant Pathology Principles)	PC	1	0	2	0	3	2	23PATH 171
8	HORT 281	Production Technology for Vegetables and Spices	PC	1	0	2	0	3	2	23HORT 181
9	AEXT 291	Fundamentals of Agricultural Extension	PC	2	0	2	0	4	3	Fundamental course
10	COCA 200	Education Tour**	PC	0	0	4	0	4	2	NONE
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Fourth semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	AGRO 202	Crop Production Technology - II(Oilseeds, Fibre, Sugar, Tobacco and Fodder crops)	PC	2	0	2	0	4	3	23AGRO 101
2	AGRO 203	Farming Systems and Sustainable Agriculture	PC	1	0	0	0	1	1	23AGRO 101
3	AGRO 204	Irrigation Water Management	PC	1	0	2	0	3	2	23AGRO 101
4	SMCA 201	Statistical Methods	PC	1	0	2	0	3	2	23SMCA101
5	LSPM 201	Live-stock and Poultry Management	PC	2	0	2	0	4	3	Fundamental course
6	SSAC 221	Manures, Fertilizers and Soil Fertility Management	PC	2	0	2	0	4	3	23SSAC 121
7	AECO 242	Agricultural Marketing, Trade and Prices	PC	2	0	2	0	4	3	23AECO 141
8	AENG 252	Renewable Energy and Green Technology	PC	1	0	2	0	3	2	23AENG 151
9	HORT 282	Production Technology for Ornamental Crops, Medicinal and Aromatic Plants and Landscaping	PC	1	0	2	0	3	2	23HORT 181
10	AEXT292	Entrepreneurship Development and Business Communication	PC	1	0	2	0	3	2	23AEXT 291
11	ELCT 222/272/283	ELECTIVE COURSE	PE	2		2			3	Applied courses
									23+3	

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Fifth semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	AGRO 301	Geoinformatics and Nanotechnology for Precision Farming	PC	1	0	2	0	3	2	23AGRO 101
2	AGRO 302	Practical Crop Production	PC	0	0	2	0	2	1	23AGRO 101
3	BICM 300	Principles of Food Science and Nutrition	PC	2	0	0	0	2	2	Fundamental course
4	GPBR 311	Crop Improvement - I (Cereals, Millets, Pulses and Oilseeds)	PC	1	0	2	0	3	2	23GPBR 111
5	GPBR 313	Intellectual Property Rights	PC	1	0	0	0	1	1	Value added Course
6	SSAC 321	Problematic Soils and their Management	PC	1	0	2	0	3	2	23SSAC 121
7	ENTO 331	Pests of Field crops and Stored Grain and their Management	PC	2	0	2	0	4	3	23ENTO 131
8	AENG 351	Protected Cultivation and Post-harvest technologies	PC	1	0	2	0	3	2	23AENG 151
9	CPHY 361	Environmental Studies and Disaster Management	PC	1	0	2	0	3	2	23CPHY 261
10	PATH 371	Diseases of Field and Horticultural Crops and their Management - I (Field Crops)	PC	2	0	2	0	4	3	23PATH 171
11	PATH 373	Principles of Integrated Pest and Disease Management	PC	1	0	2	0	3	2	23PATH 171
12	ELCT305/333/342/362/382	ELECTIVE COURSE	PE	2	0	2	0	4	3	Applied courses
									22+3	

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Sixth semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	AGRO303	Rainfed Agriculture and Watershed Management	PC	1	0	2	0	3	2	23AGRO 101
2	AGRO304	Principles of Organic Farming	PC	1	0	2	0	3	2	23AGRO 101
3	SMCA 301	Agriculture Informatics	PC	1	0	2	0	3	2	23SSAC 121
4	GPBR312	Crop Improvement-II (<i>Fibre, Sugar, Starches, Narcotics, Vegetables, Fruits and Flowers</i>)	PC	1	0	2	0	3	2	23GPBR 111
5	GPBR314	Principles of Seed Technology	PC	2	0	2	0	4	3	Fundamental course
6	ENTO332	Pest of Horticultural Crops and their Management and Beneficial insects	PC	2	0	2	0	4	3	23ENTO 131
7	AECO341	Farm Management, Production and Resource Economics	PC	1	0	2	0	3	2	23AECO 141
8	PATH372	Diseases of Field and Horticultural Crops and their Management -II (Horticultural Crops)	PC	1	0	2	0	3	2	23PATH 171
9	HORT381	Post-harvest Management and Value Addition of Fruits and Vegetables	PC	1	0	2	0	3	2	23HORT 181
10	AEXT391	Communication Skills and Personality Development	HSS	1	0	2	0	3	2	23AEXT 291
11	ELCT 306/315/334/383	ELECTIVE COURSE	PE	2		2			3	Applied courses
									25	

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Seventh semester										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	RAWE	Crop Production	PC						5 (0+5)	Applied course
2	RAWE	Crop Protection	PC						4 (0+4)	Applied course
3	RAWE	Rural Economics	PC						3 (0+3)	Applied courses
4	RAWE	Extension Programme	PC						4 (0+4)	Applied course
5	INTERNSHIP	Research Station / KVK /DAATT Centre activities and attachment to Agro based industries	PC						4 (0+4)	Applied course
									0+20	
Eighth semester										
1	ELP	Experiential Learning Programme (ELP)	PC						0+20	Applied course
									185	

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ELECTIVES										
Sl No	Course Code	Course Title	Category	L	T	P	S	Ch	Cr	Pre-requisite
1	ELCT 222	Soil, Plant, Water and Seed Testing	PE	1	0	4	0	5	3	Applied course
2	ELCT 272	Food Safety Issues	PE	2	0	2	0	4	3	Applied course
3	ELCT 283	Hi-tech. Horticulture	PE	2	0	2	0	4	3	Applied course
4	ELCT 305	Agricultural Waste Management	PE	2	0	2	0	4	3	Applied course
5	ELCT 306	Weed Management	PE	2	0	2	0	4	3	Applied course
6	ELCT 315	Commercial Plant Breeding	PE	1	0	4	0	5	3	Applied course
7	ELCT 333	Biopesticides and Biofertilizers	PE	2	0	2	0	4	3	Applied course
8	ELCT 334	Agrochemicals	PE	2	0	2	0	4	3	Applied course
9	ELCT 342	Agribusiness Management	PE	2	0	2	0	4	3	Applied course
10	ELCT 362	Micro propagation Technologies	PE	1	0	4	0	5	3	Applied course
11	ELCT 382	Landscaping	PE	2	0	2	0	4	3	Applied course
12	ELCT 383	Protected Cultivation	PE	2	0	2	0	4	3	Applied course

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