

K K Wagh College of Agriculture, Nashik

1. List of subjects in every semester as per V dean committee report

I Semester

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO 111	Fundamentals of Agronomy-I	1	1	2
2.	AGRO 112	Introductory Agro-meteorology and Climate change	1	1	2
3.	AHDS 111	Livestock Production & Management	1	1	2
4.	EXTN 111	Rural Sociology & Educational Psychology	2	0	2
5.	HORT 111	Fundamentals of Horticulture	1	1	2
6.	LANG 111	Comprehension & Communication Skills in English	1	1	2
7.	MIBO 111	Introductory Microbiology	1	1	2
8.	SSAC 111	Fundamentals of Soil Science	2	1	3
9.	AGH 111	Agricultural Heritage ^{*1}	1	0	1
10.	BIO 111	Introductory biology ^{*2}	1	1	2
11.	MATH 111	Elementary Mathematics ^{*3}	1	1	2
12.	HVE 111	Human Values & Ethics	1	0	1
13.	DEG 111	Democracy, Elections and Good Governance	1	0	1
14.	NCC 111/ NSS 111	NCC/ NSS	0	1	1
15.	PHEY 111	Physical Education and Yoga	0	1	1

Semester –II

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO-123	Fundamentals of Agronomy-II	1	1	2
2.	BOT 121	Fundamentals of Crop Physiology	1	1	2
3.	ECON 121	Fundamentals of Agricultural Economics	2	0	2
4.	ENGG 121	Soil and Water Conservation Engineering	1	1	2
5.	ENTO-121	Fundamentals of Entomology	1	1	2
6.	EXTN 122	Fundamentals of Agricultural Extension Education	2	1	3
7.	GPB 121	Fundamentals of Genetics	2	1	3
8.	PATH 121	Fundamentals of Plant Pathology	2	1	3
9.	FRST 121	Introduction to Forestry	1	1	2
10.	EDNT 121	Educational Tour	0	1	1
11.	EXTN 123	Communication Skills and personality Developments	1	1	2

Semester-III

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO 234	Crop Production Technology-I (Kharif crops)	1	1	2
2.	AGRO 235	Rainfed Agriculture and Watershed Management	1	1	2
3.	BIOCHM 231	Fundamentals of plant biochemistry and biotechnology	2	1	3
4.	ENGG 232	Farm Machinery and Power	1	1	2
5.	ENTO 232	Insect Ecology and Integrated pest Management	1	1	2
6.	GPB 232	Fundamentals of Plant Breeding	1	1	2
7.	HORT 232	Production Technology for Vegetables and Spices	1	1	2
8.	PATH 232	Principles of Integrated Disease Management	1	1	2
9.	STAT 231	Statistical Methods	1	1	2
10.	COMP 231	Agri- Informatics	1	1	2
11.	ESDM 231	Environmental Studies and Disaster Management	2	1	3

Semester IV

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO 246	Crop Production Technology-II (Rabi crops)	1	1	2
2.	AGRO 247	Farming System and Sustainable Agriculture	1	0	1
3.	AGRO 248	Principles of Organic Farming	1	1	2
4.	AHDS 242	Livestock Breeding and Nutrition	1	1	2
5.	ECON 242	Agriculture Finance and Cooperation	2	1	3
6.	ENGG 243	Renewable Energy and Green Technology	1	1	2
7.	ENTO 243	Pest of Horticultural Crops and their Management	1	1	2
8.	GPB 243	Principles of Seed Technology	1	2	3
9.	HORT 243	Production Technology for Fruit and Plantation Crops	1	1	2
10.	SSAC 242	Problematic Soils and their Management	1	1	2
11.	ELE EXTN 244	Agricultural Journalism	2	1	3
12.	ELE PATH 232	Bio-fertilizers, Bio-control Agents and Bio-pesticides	2	1	3
13.	EDNT 242	Study Tour*	0	1	1

Semester V

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO 359	Practical Crop Production-I (Kharif crops)	0	1	1
2.	AHDS 353	Technology of Milk and Milk Products.	1	1	2
3.	BOT 353	Intellectual Property Right	1	0	1
4.	ECON 353	Agricultural Marketing Trade and Prices	2	1	3
5.	ENTO 354	Pests of Crops and Stored Grain and their Management- I	1	1	2
6.	GPB 355	Crop Improvement – I (Kharif Crops)	1	1	2
7.	HORT 354	Production Technology for Ornamental Crops, MAP and Landscaping	1	1	2
8.	PATH 354	Diseases of Field and Horticultural Crops and their Management	2	1	3
9.	SSAC 353	Manures, Fertilizers and Soil Fertility Management	2	1	3
10.	EXTN 355	Entrepreneurship Development and Business Communication	1	1	2
11.	AGRO 3510	Weed Management	2	1	3
12.	ELE ECON 354	Agribusiness Management	2	1	3

Semester VI

Sr no	Course No.	Courses	Credit		
			T	P	Total
1.	AGRO 3611	Practical Crop Production-II (Rabi crops)	0	1	1
2.	AGRO 3612	Geo-informatics and Nano-technology and Precision Farming	1	1	2
3.	AHDS 364	Sheep Goat and Poultry Production	1	1	2
4.	ECON 365	Farm Management, Production and Resource Economics	1	1	2
5.	ENGG 364	Protected Cultivation and secondary Agriculture	1	1	2
6.	ENTO 365	Management of Beneficial Insects	1	1	2
7.	FST 362	Principles of Food Science and Nutrition	2	0	2
8.	GPB 366	Crop Improvement – II (Rabi crops)	1	1	2
9.	HORT 366	Post-harvest Management and Value Addition of Fruits and Vegetables	1	1	2
10.	PATH 365	Diseases of Field and Horticultural Crops and their Management-II	2	1	3
11.	ELE SSAC 364	Agrochemicals	2	1	3

Rural Agricultural Work Experience and Agro-industrial Attachment

(RAWE & AIA)

Sr. No.	Course No.	Programme detail (Activities)	Duration (Weeks)	Credit Hours
1		Pre-evaluation of students, General orientation and on campus training by different faculties	1	1 (NC)
2	SRP-401	Village Attachment	10	10
3	SRP-402	Unit Attachment in University/College/KVK or a Research station a. KVK b. RARS (Regional Agril. Research Station) c. College other than Alma matter or own d. ATMA/NGO/ State Agril. Department	4 (As follows) 1 1 1 1	4
4		Report preparation and Evaluation of Unit attachment	1	1 (NC)
5	SRP-403	Plant Clinic (ENTO, Pl. PATH, SSAC)	2	2
7		Report preparation and Evaluation of Village attachment and plant clinic	1	1 (NC)
8	SRP-404	Agro-Industrial Attachment	4	4
9		Report preparation and Evaluation of AIA	1	1 (NC)
Total weeks and credits for RAWE & AIA			24	20
<i>The college may have flexibility in implementation of RAWE components without modifications in the duration of component</i>				

Experiential Learning Programme

Sr. No.	Major Department	Course No.	Credits	Course Title	Associated Departments
1	Agronomy	SRP-AGRO-4013	10 (0+10)	Organic Farming Production Technology	1. Agril. Botany 2. Agril. Economics
2	Agronomy	SRP-AGRO-4014	10 (0+10)	Commercial Production of Organic Manures & Marketing	1. Plant Pathology 2. Agril. Economics
3	Animal Husbandry and Dairy Science	SRP-AHDS-409	10 (0+10)	Poultry production	1. Agril. Extension 2. Agril. Economics
4	Animal Husbandry and Dairy Science	SRP-AHDS-406	10 (0+10)	Processing of Milk and Milk Product	1. Agril. Engineering 2. Agril. Economics
5	Agricultural. Botany	SRP-BOT-401	10 (0+10)	Seed Production and Technology	1. Agronomy 2. Agril. Economics
6	Agricultural. Botany	SRP-BOT-404	10 (0+10)	Tissue culture Techniques	1. Horticulture 2. Agril. Economics
7	Agricultural. Engineering	SRP-ENGG-405	10 (0+10)	Natural Resources Management	1. Horticulture 2. Agril. Economics
8	Agricultural. Entomology	SRP-ENTO-406	10 (0+10)	Mass Production of Bio-agents and Bio-pesticides	1. Plant Pathology 2. Agril. Economics
9	Agricultural. Entomology	SRP-ENTO-407	10 (0+10)	Commercial Beekeeping	1. Agril. Botany 2. Agril. Economics
10	Agricultural. Entomology	SRP-ENTO-408	10 (0+10)	Silkworm cocoon production technology	1. Agronomy 2. Agril. Economics
11	Agricultural Chemistry and Soil Science	SRP-FST-403	10 (0+10)	Food Processing	1. Horticulture 2. Agril. Economics
12	Horticulture	SRP-HORT-409	10 (0+10)	Commercial Horticulture	1. Agril. Botany 2. Agril. Economics
13	Horticulture	SRP-HORT-4010	10 (0+10)	Floriculture and Landscaping Gardening	1. Agril. Entomology

					2. Agril. Economics
14	Horticulture	SRP-HORT-4011	10 (0+10)	Nursery Management of Horticultural Crops	1. Agril. Entomology 2. Agril. Economics
15	Horticulture	SRP-HORT-4012	10 (0+10)	Commercial Vegetable Production	1. Plant Pathology 2. Agril. Economics
16	Horticulture	SRP-HORT-4013	10 (0+10)	Protected Cultivation of Flowers and Vegetables	1. Agril. Engineering 2. Agril. Economics
17	Horticulture	SRP-HORT-4014	10 (0+10)	Post-harvest Management and Value Additions of Horticultural Crops	1. Agril. Engineering 2. Agril. Economics
18	Plant Pathology	SRP-PATH-406	10 (0+10)	Mushroom Cultivation Technology	1. Agronomy 2. Agril. Economics
19	Plant Pathology / Agricultural Chemistry and Soil Science	SRP-PATH-407/SRP SSAC-407	10 (0+10)	Biofertilizer Production Technology	1. Agril. Entomology 2. Agril. Economics
20	Agricultural Chemistry and Soil Science	SRP SSAC-405	10 (0+10)	Soil, Water, Plant and Fertilizer Analysis	1. Agril. Extension 2. Agril. Economics
21	Agricultural Chemistry and Soil Science	SRP-SSAC-406	10 (0+10)	Agricultural Waste Management	1. Agril. Engineering 2. Agril. Economics

Illustration: If the strength of the students in final year is 200, then 50% students will register for RAWE/AIA and remaining 50% will register for two ELP modules in VII semester. Then after successful completion of RAWE and ELP in VII semester, the batches will be changed on rotation basis during VIII semester.