

POLYTECHNIC IN AGRICULTURE
JUNAGADH AGRICULTURAL UNIVERSITY
DISCIPLINE WISE COURSE FOR POLYTECHNIC IN AGRICULTURE

Revised- 2018
ANNEXURE- 1

Sr. No.	Course title	Course Name	Credit		GT
			T	P	
AGRONOMY					
1	Agron. 1.1	Agricultural Heritage	1	0	
2	Agron. 1.2	Fundamentals of Agronomy	3	1	
3	Agron. 2.3	Farming Systems and Farm Management	1	1	
4	Agron. 3.4	Crop Production Technology-I (Kharif Crops)	2	1	
5	Agron. 3.5	Practical Crop Production-I (Kharif Crops)	0	1	
6	Agron. 4.6	Crop Production Technology-II (Rabi Crops)	2	1	
7	Agron. 4.7	Practical Crop Production-II (Rabi Crops)	0	1	
8	Agron. 5.8	Principles of Weed Management	1	1	
9	Agron. 5.9	Principles of Water Management	2	1	
10	Agron. 6.10	Principles of Organic Farming	1	1	
11	Agron. 6.11	Vermicompost	0	2	
Total			13	11	24
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY					
1	Ag. Chem. 2.1	Fundamentals of Soil Science	2	1	
2	Ag. Chem. 3.2	Manures, Fertilizers and Soil Fertility Management	2	1	
3	Ag. Chem. 4.3	Problematic Soils and their Management	2	1	
Total			06	03	09
GENETICS AND PLANT BREEDING					
1	GPB 1.1	Introductory Biology	1	1	
2	GPB 3.2	Fundamentals of Genetics	2	1	
3	GPB 5.3	Fundamentals of Plant Breeding	2	1	
4	GPB 6.4	Seed Production Technology	0	2	
Total			05	05	10
PLANT PHYSIOLOGY					
1	Pl. Phy. 2.1	Fundamentals of Crop Physiology	2	1	
Total			02	01	03
HORTICULTURE					
1	Hort. 1.1	Fundamentals of Horticulture	1	1	
2	Hort. 2.2	Production Technology for Fruit and Plantation Crops	1	1	
3	Hort. 3.3	Production Technology for Vegetable and Spices	2	1	
4	Hort. 4.4	Production Technology of Flower Crops and Landscaping	1	1	
5	Hort. 6.5	Preservation and Value Addition in Horticultural Crops	0	2	
6	Hort. 6.6	Green House Technology	0	2	
Total			05	08	13
AGRIL. ENTOMOLOGY					
1	Ag. Ento. 1.1	Fundamentals of Entomology	2	1	
2	Ag. Ento. 2.2	Principles of Integrated Pest Management	2	1	
3	Ag. Ento. 3.3	Pests of Field Crops & Stored Grain and their Management	2	1	
4	Ag. Ento. 4.4	Pests of Horticultural Crops and their Management	2	1	
Total			08	04	12

Sr. No.	Course title	Course Name	Credit		GT
			T	P	
PLANT PATHOLOGY/AGRICULTURAL MICROBIOLOGY					
1	Pl. Path. 1.1	Fundamentals of Plant Pathology	2	1	
2	Pl. Path. 2.2	Introductory Plant Nematology	1	1	
3	Pl. Path. 3.3	Diseases of Field and Horticultural Crops and Their Management-I	2	1	
4	Pl. Path. 4.4	Diseases of Field and Horticultural Crops and Their Management-II	2	1	
5	Pl. Path. 6.5	Mushroom Production Technology	0	2	
6	Ag. Micro. 5.1	Agricultural Microbiology	1	1	
Total			08	07	15
AGRIL. STATISTICS AND BIO-MATHEMATICS					
1	Maths. 2.1	Elementary Mathematics	2	0	
2	Ag. Stat. 4.1	Agricultural Informatics	2	1	
3	Ag. Stat. 5.2	Statistical Methods	2	1	
Total			06	02	08
BIOCHEMISTRY					
1	Biochem. 5.1	Fundamentals of Plant Biochemistry	2	1	
Total			02	01	03
AGRICULTURAL ENGINEERING					
1	Ag. Engg. 3.1	Introductory Agricultural Engineering	1	1	
2	Ag. Engg. 4.2	Introductory Soil and Water Conservation Engineering	1	1	
3	Ag. Engg. 5.3	Farm Machinery and Power	2	1	
Total			04	03	07
ANIMAL PRODUCTION					
1	LPM 2.1	Principles of Livestock Production and Management	2	1	
2	LPM 5.2	Principles of Poultry Production and Management	1	1	
Total			03	02	05
AGRICULTURAL EXTENSION					
1	Ag. Ext. 5.1	Fundamentals of Extension Education and Communication	2	1	
2	Ag. Ext. 6.2	Entrepreneurship Development	1	1	
Total			03	02	05
AGRICULTURAL ECONOMICS					
1	Ag.Econ. 1.1	Fundamentals of Agricultural Economics	2	0	
Total			02	0	02
AGRIL. METEOROLOGY					
1	Ag.Met. 4.1	Introductory Agro meteorology & Climate Change	1	1	
Total			01	01	02
ENGLISH					
1	Eng. 1.1	Comprehension and Communication Skills in English	1	1	
Total			01	01	02
HUMAN VALUE AND ETHICS					
1	HVE 1.1	Human Value and Ethics (Non-gradial)*	1	0	
Total			01	0	01*
NSS/ NCC/Physical Education					
1	P. E. 1.1	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	
2	P. E. 2.2	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	
3	P. E. 3.3	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	
4	P. E. 4.4	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	
Total			0	04*	
1		Educational Tour *		05*	120
Total			125		