POLYTECHNIC IN AGRICULTURE
JUNAGADH AGRICULTURAL UNIVERSITY
DISCIPLINE WISE COURSE FOR POLYTECHNIC IN AGRICULTURE
ANNEXURE- 1

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

4	Pl. Path. 4.4	Diseases of Field and Horticultural Crops and Their Management-II	2	1	3
5	Pl. Path. 6.5	Mushroom Production Technology	0	2	2
6	Ag. Micro. 5.1	Agricultural Microbiology	1	1	2
		Total	**08**	**07**	**15**
AGRIL. STATISTICS AND BIO-MATHEMATICS					
1	Maths. 2.1	Elementary Mathematics	2	0	2
2	Ag. Stat. 4.1	Agricultural Informatics	2	1	3
3	Ag. Stat. 5.2	Statistical Methods	2	1	3
		Total	**06**	**02**	**08**
BIOCHEMISTRY					
1	Biochem. 5.1	Fundamentals of Plant Biochemistry	2	1	3
		Total	**02**	**01**	**03**
AGRICULTURAL ENGINEERING					
1	Ag. Engg. 3.1	Introductory Agricultural Engineering	1	1	2
2	Ag. Engg. 4.2	Introductory Soil and Water Conservation Engineering	1	1	2
3	Ag. Engg. 5.3	Farm Machinery and Power	2	1	3
		Total	**04**	**03**	**07**
ANIMAL PRODUCTION					
1	LPM 2.1	Principles of Livestock Production and Management	2	1	3
2	LPM 5.2	Principles of Poultry Production and Management	1	1	2
		Total	**03**	**02**	**05**
AGRICULTURAL EXTENSION					
1	Ag. Ext. 5.1	Fundamentals of Extension Education and Communication	2	1	3
2	Ag. Ext. 6.2	Entrepreneurship Development	1	1	2
		Total	**03**	**02**	**05**
AGRICULTURAL ECONOMICS					
1	Ag.Econ. 1.1	Fundamentals of Agricultural Economics	2	0	2
		Total	**02**	**0**	**02**
AGRIL. METEOROLOGY					
1	Ag.Met. 4.1	Introductory Agro meteorology & Climate Change	1	1	2
		Total	**01**	**01**	**02**
ENGLISH					
1	Eng. 1.1	Comprehension and Communication Skills in English	1	1	2
		Total	**01**	**01**	**02**
NON-GRADIAL COURSES					
1	HVE 1.1	Human Value and Ethics	1	0	1
2	FC-I	Deeksharambh (Introduction Cum Foundation Course Of 2 Week)	0	2	2
3	MDC-I	Farming Based Livelihood Systems	2	1	3
4	EXTN 1.1	Rural Sociology and Educational Pschology	0	2	2
5	AEC-III	Personality Development	1	1	2
6	VAC-I	Environmental Studies and Disaster Management	2	1	3
		Total	**06**	**7**	**13***
NSS/ NCC/Physical Education					
1	P. E. 1.1	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	1
2	P. E. 2.2	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	1
3	P. E. 3.3	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	1
4	P. E. 4.4	NSS/NCC/Physical Education and Yoga Practices (Non-gradial)*	0	1*	1
		Total	*0*	04*	04
1		**Educational Tour ***			
		Total	**137**		