

B.Sc. Agriculture, Batch 2014 onwards

Semester 8th

Course Code	Course Title	Load Allocation			Marks Distribution		Total	Credits
		L	T	P	Internal	External		
BSAG 801	Rural Experience	0	0	6	100	-	100	3
BSAG 802	On-campus learning	0	0	12	300	-	300	12
BSAG803	Industrial attachment (Off campus)	0	0	8	100	-	100	4
BSAG804	Documentation, reporting and presentation	0	0	2	100	-	100	1

BSAG 801; Rural experience:

A coordinator from the department of Extension Education will handle this course. For practically showing, he will take the students to an average village and make them aware the socio-economic structure of the villager such as sources of livelihood and occupational pattern, village infrastructure in terms of health, education, vet services, cooperative societies, banks, marketing facilities, farming conditions with reference to cropping pattern & livestock situation etc. The time allocated to this activity is three weeks in the beginning of semester.

BSAG 802 On-campus learning

After attaining the rural experience, for about 12 weeks, on-campus learning will be planned. Detailed Practical Field Learning Programme of each specialization is given below;

BSAG 803 Industrial attachment (Off-campus)

Students from each stream will be divided into groups each having 5 to 10 students and each group will visit an agro-industrial (processing) unit with the help of extension agencies and prepare a report of the organizational set-up, operational working and performance of the unit with SWOT analysis. Next 4 weeks are to be devoted to this activity.

BSAG 804 Documentation, reporting and presentation

Each group of students will write a detailed report of their rural and specialized practical training taken and give a Power Point Presentation in the presence of concerned teachers who will evaluate the performance of the students. It will be completed in one week.

Details of **On-campus and off-campus Practical Field Learning Programme**

Title of Module (on-campus)	Industrial attachment (Off-campus)
1. Elective: Soils, Agronomy and Agro forestry	
Module for evaluating soil health and irrigation water quality (Deptt. of Soil Science)	<ul style="list-style-type: none"> • Fertilizer industries • Vermi-compost units • Bio-fertilizer units • Mineral mines • Organic Farming
Practical seed production (Deptt. of Agronomy)	<ul style="list-style-type: none"> • Seed industries / companies • Herbicide formulators • Agro-processing units such as Mentha distillation plants, Soybean processing units, Rice Shelling, Sugar Mill
2. Elective: Crop Protection	
Production of bio-agents against plant pathogens (Deptt. of Plant Pathology/ Entomology)	<ul style="list-style-type: none"> • Pesticide and bio-pesticide industries • Bio-control agents production units • Plant Quarantine Station • Virus free potato tubers production units
3. Elective: Horticulture	
Nursery production of fruit crops (Deptt. of Fruit Science)	<ul style="list-style-type: none"> • Commercial fruit nurseries • Orchards of Progressive growers
Nursery raising techniques and protected cultivation of Vegetables (Deptt. of Vegetable Science)	<ul style="list-style-type: none"> • Commercial vegetable nurseries • Farms of Progressive vegetable growers • Vegetables seed production units
Mushroom production (Deptt. of Microbiology)	<ul style="list-style-type: none"> • Mushroom production units
4. Elective: Plant Breeding, Genetics and Biotechnology	
Hybrid seed production of sunflower (Deptt. of Plant Breeding and Genetics)	<ul style="list-style-type: none"> • Commercial hybrid seed production units • Maintaining parental lines • Hybrid Seed production units at private farm
Biotechnological tools in crop improvement (Biotechnology unit)	<ul style="list-style-type: none"> • Biotechnological and tissue culture labs
5. Elective: Post Harvest Technology and Value Addition	
Production of value added processed food products (Deptt. of Food Science and Technology)	<ul style="list-style-type: none"> • Food processing and packaging industries • Quality Control • Marketing management

6. Elective: Agricultural Extension, Economics and Business Management

Designing and preparation of facilitating material and organizing activities (Deptt. of Extension Education)	<ul style="list-style-type: none">• Mandate, activities and problems of extension services provided by extension system of Agriculture, Horticulture, AH, Soil Conservation, PAMETI, ATMA, IFFCO, KRIBHCO, MARKFED, DRDA, Zila Prishad etc.
Marketing of agricultural produce, preparing enterprise & financial budgets and identification of adoption gaps (Deptt. of Agric. Economics)	<ul style="list-style-type: none">• Structure & functioning of Agricultural Financial Institutions - Commercial Banks, Co-operative Societies• Market channels and functionaries• Estimating economics of crop and livestock enterprises
Case studies related to financial, project, retail and supply chain management, and preparation of project profile (Deptt. of Business Management)	<ul style="list-style-type: none">• Study of Successful ventures of Agri-business industry in Agri-business Management practices/processes