

**SRI SATYA SAI UNIVERSITY OF TECHNOLOGY & MEDICAL
SCIENCE SEHORE (MP) 2021-22**

**B.Sc. (Ag.) DEGREE PROGRAMME
4TH Year**

(7th) Semester (RAWE)

w.e.f.-2016-17

| Subject Code | Subject Name | Credits |
|---------------------|--|----------------|
| AG- 701 | General Orientation Programs | 1(0+1) |
| AG -702 | Village Attachment | 8(0+8) |
| AG -703 | Unit Attachment in Univ./College KVK/Research Station Attachment | 5(0+5) |
| AG -704 | Plant Clinic | 2(0+2) |
| AG -705 | Agro-Industrial Attachment | 3(0+3) |
| AG -706 | Project Report Preparation Presentation and Evaluation | 1(0+1) |
| | Total | 20 |

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SUBJECT CODE-AG 701

General Orientation Programs Rural Agricultural Work Experience Programme (RAWES)

Sri satya sai university and medical science, Sehore on the recommendation of fourth Deans' Committee (ICAR) has introduced Rural Agricultural Work Experience programme as an essential requirement for B.Sc. (Ag) degree. The committee in order to make higher agricultural education relevant to present day changing needs, and develop professionalism felt for reorienting agricultural education. In view of globalization and development of new technologies, it is essential that the students meet international quality standards. One of the pillars for quality assurance in agricultural education is the curriculum, which takes care of contemporary needs, provides for analytical skill, entrepreneurship and experiential learning for having confidence to do profitable farming. In the programme students will be placed in the villages for intensive training and field experience with farm families. During stay in the villages, they will get an opportunity to study the different the problems and suggest the appropriate measures to solve them for improvement in the existing practices. Students will also develop confidence in applying the knowledge gained during the course of the studies and fine-tune their skill with the Experience and knowledge of host farmers. Under this programme, RAWES model first has been adopted in the University.

Objectives

1. To understand of rural community life and the current situation prevailing in villages with special reference to agriculture and allied enterprises.
2. To familiarize with the socio-economic conditions of farmers and their problems with reference to agricultural development.
3. To make students understand farm technologies as adopted by farmers and also to help farmers to prepare sound farm plans matching to available resources.
4. To facilitate development of communication skills in students through use of extension teaching methods for transfer of technology.
5. To acquaint the students with the on-going extension and rural development programmes and to understand the activities of Krishi Vigyan Kendra.
6. To develop confidence and competence in students for solving teaching problems related to agriculture and allied enterprises.

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7. To develop understanding regarding high-tech agricultural technology and factors affecting in the adoption of modern methods of agriculture by the farmers.

SUBJECT CODE-AG 702

Village attachment

Rural Economics

The students shall take-up tech-economic survey of the village as per the prescribed questionnaire. The students shall be required to collect the data on economic condition of village, resource endowment and its utilization, problems of labour and employment and other important economic aspects detailed in the schedule. The student shall also conduct a farm survey and workout the cost of cultivation of principal crops grown on the farm allotted to them. He will also maintain a farm record book and analyze the data. On the basis of the results students will formulate a number of alternative plans in consultation with the farmers and the

Extension Programme

The students shall involve themselves in the following extension education programmes –

- I. Identification of agricultural problems of the village and training needs of the farmers.
- II. Conducting method demonstrations of improved practices.
- III. Organization of short duration farmers training, camps, field visits and agricultural exhibitions.
- IV. Study of the on-going extension programmes in the villages.
- V. Arrange farmers meeting the discuss agricultural aspects.
- VI. Visit to village institutions and study their role in development programmes and other extension activities.
- VII. Motivate farmers through different extension teaching methods.
- VIII. Documentation of success stories. Each student will prepare a report with respect to the activities indicated above and submit it to the Chairman of Advisory Committee for its evaluation. The students shall be given an opportunity to acquaint themselves with ongoing programmes and activities of research, development, marketing, extension agencies and organizations in the village. The students will submit report on the institutions he/she has visited.

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SUBJECT CODE- AG 703

Unit Attachment in Univ. /College KVK/Research Station Attachment

Student will conduct the bench mark survey & PRA of KVK villages. Assisting in conducting F.L.D., organizing farmers meeting Kisan mela, Exhibition, Monthly Workshop, Organizing field visits. Training programmes for farmers and farm women, study of crop cafeteria, visit of line departments viz., Agriculture, Horticulture Dairy, Poultry etc. to enquire about farmers welfare about respective department and visit of digontic team.

SUBJECT CODE-AG 704

Plant Clinic

Crop Production

The students shall involve themselves in actual day-to-day agricultural operations alongwith their host farmers. He/she will also involve in production technology and management of various crops. The student shall maintain a record of work done in prescribed proforma. In fruits and vegetables crops, the students shall involve themselves in field operations viz., seedbed preparation, nursery management, propagation etc. along with their host farmers. The student shall maintain a record of work done and will submit it at the end of the semester.

Crop Protection

Under this the students are exposed to various plant and soil disorders and learn to diagnose major plant diseases, insect-pests, and nutrient deficiency, soil related constrains, physiological disorders and prescribe remedial measures.

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SUBJECT CODE-AG 705

Agro Industrial Attachment

1. Students shall be placed in Agro-and Cottage industries and Commodities Boards for 03 weeks. y
2. Industries include Seed/Sapling production, Pesticides-insecticides, Post-harvest-processing value addition, Agri-finance institutions, etc.

Activities and Tasks during Agro-Industrial Attachment Programme

1. Acquaintance with industry and staff y
2. Study of structure, functioning, objective and mandates of the industry y
3. Study of various processing units and hands-on trainings under supervision of industry staff y
4. Ethics of industry y
5. Employment generated by the industry y
6. Contribution of the industry promoting environment y
7. Learning business network including outlets of the industry y
8. Skill development in all crucial tasks of the industry y
9. Documentation of the activities and task performed by the students y
10. Performance evaluation, appraisal and ranking of students

SUBJECT CODE-AG 706

Project Report Preparation, Presentation, Evaluation and Viva Voice