Organic Farming

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title & Code	Credits	Credit Distribution Of The Course			Eligibility Criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Organic Farming	**2**	**0**	0	**2**	Class XII	NIL

Learning objectives:

- To create awareness among the students about organic farming and its importance in sustainable agriculture.
- To provide a skill set of Organic farming to students to help them become self-reliant.

Learning Outcomes:

After completion of this course the learners will be able to:

- practice organic farming along with application of indigenous knowledge.
- establish entrepreneurial ventures and generate employment (Organic Grower).
- evaluate the organic produce as per FSSAI standards (Government rules).

Syllabus

Practical: 60 hours

1. Study of Organic Farming as an integrated approach. 4 hours
2. Soil analysis-physical testing and assessment of soil types, weighment, water movement, soil conditioners, etc. 8 hours
3. Manure preparation and introduction to compost, composting and its value addition quality test. 4 hours
4. Study of Indigenous Technology Knowledge (ITK) for nutrient, insect, pest disease and weed management. 8 hours
5. Study of various agriculturally useful Biofertilizers. 4 hours
6. Biocontrol agents including Integrated Pest Management. 4 hours

7. Study of traditional organic input preparation/formulation of Biofertilizer, biopesticides, plant health promoters like *Panchgavya, Beejamrut* etc. 8 hours
8. Study of the system of organic certification and inspection. 4 hours
9. Branding of rural products, FSSAI, marketing, packaging and handling of organic produce. 4 hours
10. Current Government schemes related to organic farming. 4 hours
11. Visit organic farms to study the various components and their utilization. 8 hours

Essential Readings:

1. Dhama, A.K. (2014). Organic Farming for Sustainable Agriculture (2nd edition), Agrobios (India), Jodhpur.
2. Sharma, Arun K. (2013). A Handbook of Organic Farming, Agrobios (India), Jodhpur
3. Palaniappan, S.P. and Anandurai, K. (1999). Organic Farming – Theory and Practice. Scientific Pub. Jodhpur
4. Thapa, U and Tripathy, P. (2006). Organic Farming in India, Problems and prospects, Agritech, Publising Academy, Udaipur.
5. Jaivik Kheti Sahayak Pustika- National Centre for Organic and Natural Farming, Department of Agriculture & Farmers Welfare, GoI.

Suggestive Readings:

1. National Program for Organic Production-APEDA, Ministry of Commerce & Industry, GoI.

Examination scheme and mode:

Evaluation scheme and mode will be as per the guidelines notified by the University of Delhi.