

Syllabus for Six Month Certificate Course
in
Organic Farming

SYLLABUS - 2022 Onwards



COMMUNITY COLLEGE
Dr Harisingh Gour Vishwavidyalaya,
(A Central University)
Sagar (M.P.)

Handwritten signatures and dates in blue ink. One signature is dated 16/08/2022. Another signature is dated 16.8.22. There are several other illegible signatures and checkmarks.

**Syllabus
for
Certificate Course (Six month)
in
Organic Farming**

SEMESTER- I

| S No. | Subject Code | TH | PR | Title | Credits | Distribution of Credit | | | | Exam | | | |
|---------------------|--------------|----|----|------------------------------|---------|------------------------|---|----|----|-------|----|---------|-------|
| | | | | | | L | T | P | C | Mid I | IA | End Sem | Total |
| 1. | COF-CC-101 | TH | - | Overview of Organic Farming | 5 | 3 | 2 | 0 | 5 | 20 | 20 | 60 | 100 |
| 2. | COF-CC-102 | TH | - | Farm Management | 5 | 3 | 2 | 0 | 5 | 20 | 20 | 60 | 100 |
| 3. | COF-CC-103 | TH | - | Inspection and Certification | 5 | 4 | 1 | 0 | 5 | 20 | 20 | 60 | 100 |
| 4. | COF-EC-104 | - | PR | Skill Enhancement | 5 | 0 | 1 | 4 | 5 | 20 | 20 | 60 | 100 |
| 5. | COF-EC-105 | - | PR | Professional Communication | 5 | 0 | 1 | 4 | 5 | 20 | 20 | 60 | 100 |
| 6. | COF-CC-106 | - | PR | Internship | 10 | 0 | 0 | 10 | 10 | 20 | 20 | 60 | 100 |
| Total Credit | | | | | | 30 | | | | | | | |

Learning outcome: The course will impart knowledge and proficiency in Organic production practices, Certification process and marketing of organically raised agricultural produce as well to promote self-employment and income generation.



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Certificate Course in Organic Farming

Paper Code: COF-CC-101

Title: Overview of Organic Farming

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|-----------------------------|------------|---------|-------------------------|---|---|---|
| | | | | L | T | P | C |
| COF-CC-101 | Overview of Organic Farming | 100 | 5 | 3 | 2 | 0 | 5 |

Unit 1. The Science of Modern Farming

Definition of Organic Farming
Development of Organic Farming
Concept of Organic Farming
Organic Concept
Holistic Concept
Living Soil Concept
Healthy Plant Concept

Unit 2. Principles of Organic Farming

The Principle of Health
The Principle of Ecology
The Principle of Fairness
The Principle of Care

Unit 3. Organic Farming Approaches

Traditional Farming Approach
Sustainable Farming Approach
Biodynamic Farming Approach
Natural Farming Approach
Permaculture Approach
LEISA Farming Approach

Unit 4. Benefits of Organic Farming

Economic Benefits
Ecological Benefits
Social Benefits

Unit 5. Organic Farming Initiatives in India

Major Organic Products from India
Constraints for Organic Farming
Potential Customers for Organic Products in the Domestic Market

Learning Outcome: This paper aims to impart knowledge to understand different organic farming approaches and the importance of organic farming. Student shall be able to examine the market potential.

Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

Suggested Readings:

1. Alvares, C.,1996. The Organic Farming Source Book. The other India Press, Mapusa, Goa.
2. Gupta, M.,2004. *Organic Agriculture Development in India*. ABD publishers, Jaipur,India.

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Certificate Course in Organic Farming

Paper Code: COF-CC-102

Title: Farm Management

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|-----------------|------------|---------|-------------------------|---|---|---|
| | | | | L | T | P | C |
| COF-CC-102 | Farm Management | 100 | 5 | 3 | 2 | 0 | 5 |

Unit 1. Farm Designing

Characteristics and Components of an Organic Farm
Planning and Layout of the Farm
Farm Components in Different Agro Eco-Systems
Field Crops in Organic Farms
Buffer Zone

Unit 2. Farm Structures

Benefits of Trees in organic Farm
Farm Biodiversity
Compost Yard
Cattle Shed

Unit 3. Land Preparation for Organic farming

Implements Used for Land Preparation
Factors Influencing Land Preparation
Summer Ploughing
Wetland Preparation
Types of Tillage
Land Preparation for Cereals and Millets
Land Preparation for Pulses and Oilseeds

Unit 4. Cultural Practices

Pre Sowing Irrigation
Crop Rotation
Intercropping
Mixed Cropping
Use of Tolerant/Resistant Varieties
Manipulations in Sowing Dates
Irrigation/Flooding
Destruction of Volunteer Plants

Unit 5. Mechanical Practices

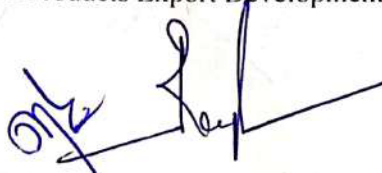
Shaking the Branches
Handpicking and Killing
Traps
Spike Thrust Method
Trenching

Learning Outcome: This paper aims to impart knowledge to understand different organic farming approaches and to explain the purpose of organic farm designing.


Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

Suggested Readings:

1. APEDA, 2001. Guidelines for Production of Organic Rice in India, Agricultural and Processed Food Products Export Development Authority, New Delhi.



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Certificate Course in Organic Farming

Paper Code: COF-CC-103

Title: Inspection and Certification

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|------------------------------|------------|---------|-------------------------|---|---|---|
| | | | | L | T | P | C |
| COF-CC-103 | Inspection and Certification | 100 | 5 | 4 | 1 | 0 | 5 |

Unit 1. General Concept about Inspection

Basics of Inspection
Requirements for Inspection
Key Steps in the Inspection Procedure
Check Lists for Inspection

Unit 2. Critical Control Points (CCP)

General Introduction to HACCP and CCP
Organic Critical Control Points (OCCP) at different Stages
Risk Assessment
Organic Crop Protection Strategies

Unit 3 Certification Trademark

IFOAM Guidelines
NPOP Guidelines
Grant of License and use of logo
Signification of Certification Trademark
Description of Organic Certification Trademark

Unit 4 Economics of Production

Benefit-Cost Ratio
Comparison between Organic and Conventional Production System
Economics of Organic Farming
Role of Organic inputs in the Economics of Organic Farming
Case Study with Different crops

Unit 5. Marketing of Organic Produce

Classification of Markets
Channel of Distribution and Role of Middlemen
Understanding the Marketing Process
Current Status of World Organic Market
Organic Market in India
Limitation of Organic Market in India

Learning Outcome: This paper aims to impart knowledge to Inspection and Certification procedure of Organic produce.

Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

Suggested Readings:

Guideline of National Project on Organic Farming, Department of Agriculture and Cooperation, INM Division, Ministry of Agriculture, Government of India.

Certificate Course in Organic Farming

Paper Code: COF -EC-104

Title: Skill Enhancement

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|-------------------|------------|---------|-------------------------|---|---|---|
| | | | | L | T | P | C |
| COF-EC-104 | Skill Enhancement | 100 | 5 | 0 | 1 | 4 | 5 |

Unit 1 Effective Writing Skills

Elements of Effective Writing,
Main Forms of Written Communication:
Agenda
Minutes
Notices

Unit 2 Formal Communication

Writing of CV
Memo
Drafting an E-mail
Press Release

Unit 3 Social Networks

Patterned Social Interaction
Social Construction of Language
Conversational Competence

Unit 4 Interpersonal Interaction in Public

Social Settings
Interpersonal Interaction in the Workplace
Interpersonal Conflict

Unit 5 Conflicts & Negotiation

Is Conflict Always Bad?
Avoiding Conflict
Fostering Healthy Conflict
Conflict Resolution

Learning Outcome: This paper aims to develop social skill with effective communication.

Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

Suggested Readings:

1. Joseph A. Devito, 2015. Interpersonal Communication Book, Thirteenth Edition, Pearson Education India.
2. Deepak Malhotra, 2018. Negotiating the Impossible, Berrett-Koehler Publishers,

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Certificate Course in Organic Farming

Paper Code: COF -EC-105

Title: Professional Communication

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|----------------------------|------------|---------|-------------------------|---|---|---|
| | | | | L | T | P | C |
| COF -EC-105 | Professional Communication | 100 | 5 | 0 | 1 | 4 | 5 |

Unit 1 Communication Skill

Definition
Types of Communication
Importance and Purpose of Communication
Strategy for Effective Communication
Essentials of Good Communication

Unit 2 Communication Techniques

Verbal and Non-Verbal Communication
The Process of Listening
Barriers to Listening
Benefits of Effective Listening

Unit 3 Professional language

Profession English in India,
Reading Skills: Purpose, Process,
Methodologies. Description and Articulation of English Speech Sounds, Syllables and
Stress, Spellings and Pronunciation

Unit 4 Presentation Skills

Interviews,
Public Speaking,
Preparing the Speech,
Special Occasion Speeches
Group Discussion

Unit 5 Interactive Skills

Writing CV
Memo Writing
Letter Writing (Employment related correspondence)
Business Letters

Learning Outcome: This paper aims to develop professional entrepreneur skill with effective communication.

Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

Suggested Readings:

1. K Alex, 2014. Soft skills. S Chand & Company, New Delhi
2. Hardik Joshi, 2016. How to Develop a Never Give Up Attitude", Notion Press, Inc, New Delhi

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Certificate Course in Organic Farming

Paper Code: COF -CC-106

Title: Internship

| Subject Code | Title | Max. Marks | Credits | Distribution of Credits | | | |
|--------------|------------|------------|---------|-------------------------|---|----|----|
| | | | | L | T | P | C |
| COF -CC-106 | Internship | 100 | 5 | 0 | 0 | 10 | 10 |

1. Student will visit Industrial partner and learn intricacy of Organic farming at their Farm.
2. Internship Report will be submitted by the student at the End Semester Examination.
3. Evaluation of Internship Report :
 - (a) First Periodic Assessment of the progress after 02 Weeks : 20 Marks
 - (b) Second Periodic Assessment after 04 Weeks : 20 Marks
 - (c) End Semester Examination will consist of
 - i) Evaluation of the Internship Report : 50 Marks
 - ii) Viva voce of the Internship Report : 10 Marks

Learning Outcome: This paper aims to impart field training to students to learn Organic Farming .

Mode of Teaching: Lecture/ Practical/Field Visit/Workshop

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