



30 Hour Certificate Course on Organic Farming



Offered by the Department of Botany:

DINABANDHU ANDREWS COLLEGE

GARIA, KOLKATA

Rupa Chakraborty

Title:

Certificate Course on Organic Farming

Course Overview: The Certificate Course in Organic Farming is a specialized online program tailored for individuals seeking advanced knowledge of the methods and techniques used in Organic Farming. This course will impart comprehensive knowledge of Organic Farming, including Organic Farm Management, Plant Protection, Organic Fertilizer, Disease Management, Good Agricultural Practices and Effective Microorganisms in Organic Farming.

Course Duration: 30 hours (6 hrs per week x 5weeks)

One Class (Theory): 1 Hour

Lab: 2 Hours

Final Assessment on the Last day

Course Fee: Free of Cost

Pedagogy: Lecture on theory and Practical

Faculty Requirements: Internal – Department of Botany

Course Coordinator: Dr. Rupa Chakraborty, Assistant Professor, Head, Department of Botany

Joint Coordinator: Dr. Joy Sarkar, Dr. Mithun Majhi, Assistant Professor, Department of Botany

SYLLABUS STRUCTURE OF THE ADD-ON COURSE

Module	UNIT TITLE	HOURS
Module -1	Organic Farming: Introduction, Scope & Nature in Global Scenario	3
Module -2	Integrated Organic Farm Management Systems	6
Module -3	Organic Fertilizers, Crop Nutrients and Effective Microorganisms (EM) in Organic Farming	9
Module -4	Organic Plant Protection and Disease Management	9
Module -5	Good Agricultural Practices (GAP)	3
Total		30

Module 1: Organic Farming: Introduction, Scope & Nature in Global Scenario

- Introduction of Organic Farming
- Scope of Organic Farming
- Nature of Organic Farming
- Global Scenario

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Module 2: Integrated Organic Farm Management Systems

- Organic Farm Management
- Components of Organic Farming
- Organic Integrated Farming
- Benefits of Organic Farming system
- Challenges of Management System

Module 3: Organic Fertilizers, Crop Nutrients and Effective Microorganisms (EM) in Organic Farming

- Organic Fertilizers & Farming
- Production of Organic Fertilizers
- Crop Micronutrients
- Increased Crop Yield
- Significance of Organic Fertilizer in organic Farming
- Microbial Effectiveness in Organic Farming

Module 4: Organic Plant Protection and Disease Management

- Plant Protection
- Cultural Practices like Crop Rotation, Polyculture, Intercropping etc
- Biological Control of Plant Disease
- Botanicals and Natural Products
- Physical and Mechanical Controls
- Regulatory Measures and Certification

Module 5: Good Agricultural Practices (GAP)

- Crop Management Practices
- Soil Management Practices
- Pest and Disease Management Practices
- Post-Harvest Handling and Storage Practices

Course Outcome

1. Participants will gain expertise in the latest methodologies for identifying and characterizing microbial pathogens.
2. Proficient skills in performing microbiological tests and analyses to diagnose infectious diseases, utilizing advanced laboratory equipment and methodologies.

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LEARNING RESOURCES

SL. NO.	TITLE OF THE BOOK	AUTHOR(S)	PUBLISHER
1	Principles of Organic Farming	SR Reddy	Kalyani Publication
2	Fundamentals of Organic Farming	Waseem Akram Khan	Akinik Publications
3	Organic Farming: Theory & Practice	SP. Palaniappan, K. Annadurai	Scientific Publishers
4	Organic Farming: Principles, Prospects and Problems	SN Deshmukh	South India Book Traders
5	ABC of Organic Farming	Amitava Rakshit, H.B.Singh	Jain Brothers

EVALUATION POLICY FOR THE ADD-ON COURSE

The basic philosophy behind the Evaluation policy for this 30 Hours Add-on course is to objectively judge the participants (students) whether the concepts were understandable to them or not and whether they could apply these concepts to solve numerical and conceptual problems. The Evaluation would be done through 2 components –

i) C1 Course-end Assessments (Written Test) [Total Marks: 30]

ii) C2 Practical /LAB [Total Marks: 20]

Total Marks of the Evaluation process would be – 50 Marks

TABLE FOR QUALIFICATION

TOTAL SCORE (OUT OF 50)	GRADE
45 – 50	O – OUTSTANDING
40 – 44	E – EXCELLENT
35 – 39	A – VERY GOOD
30 – 34	B – GOOD
25 -29	C - FAIR
BELOW 25	F - FAILED

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GENERAL RULES AND REGULATIONS

1. Students must attend and appear for all the Module-End Assessments. If any student fails to submit any of the Module-End Assignments or fails to attend any of the Module End Assessment examinations , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
2. Students must attend and appear for the Course-End Assessment Examination. If any student fails to submit the Course-End Assessment or fails to attend the Course-End Assessment Examination , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
3. Students must attend and appear for the Course-End Viva. If any student fails to fails to attend the Course-End Viva, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
4. Total Marks of Course Evaluation will be 50 Marks.
5. Minimum 50% Marks has to be scored to receive any Certificate. There will be only ONE Attempt allowed for each of the Module-End Assessments and the Course-End Assessment.
6. There will be NO PROVISION for Backlog Clearance.
7. General Rules and Regulations of the College must be followed without any exception.
8. **Minimum 75% attendance is required to receive the certificate of the course.**

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