

VAC074	ORGANIC FARMING
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

This course on Organic Farming is designed to provide participants with the knowledge and skills to engage in sustainable and environmentally friendly farming practices. Students will explore the principles and techniques of organic farming, soil health, crop cultivation, pest and disease management, and sustainable agriculture. The course aims to empower individuals with the ability to create and manage organic farms that promote ecological balance and healthy produce.

Course Objectives

By the end of the course, students will be able to:

- Understand the principles and significance of organic farming.
- Implement sustainable soil management practices.
- Apply organic cultivation methods for various crops.
- Employ natural pest and disease management techniques.
- Develop a comprehensive understanding of sustainable agriculture.

Course Outcomes

On completion of the course, students will be able to:

CO 1: Explain the principles and significance of organic farming.

CO 2: Implement sustainable soil management practices.

CO 3: Apply organic cultivation methods for various crops.

CO 4: Employ natural pest and disease management techniques.

Course Outline

Module 1: Introduction to Organic Farming

4 hours

- The Principles of Organic Farming
- Ethical Considerations in Organic Agriculture
- Organic Farming Certification
- Real-world Applications of Organic Farming

Module 2: Soil Health and Management**4 hours**

- Soil Health and Fertility
- Organic Soil Amendments
- Composting and Vermicomposting
- Sustainable Soil Conservation

Module 3: Organic Crop Cultivation**4 hours**

- Organic Seed Selection and Propagation
- Crop Rotation and Companion Planting
- Organic Fertilization Methods
- Organic Pest and Disease Resistance

Module 4: Sustainable Pest and Disease Management**4 hours**

- Biological Pest Control
- Natural Predators and Beneficial Insects
- Disease Prevention and Management
- Integrated Pest Management (IPM)

Module 5: Sustainable Agriculture**5 hours**

- Agroforestry and Permaculture
- Water Management and Conservation
- Sustainable Farm Design and Layout
- Agribusiness and Market Access

Module 6: Farm Planning and Management**5 hours**

- Organic Farm Planning and Design
- Farming Tools and Equipment
- Sustainable Farming Economics
- Organic Certification and Compliance

Module 7: Ethical and Legal Aspects**4 hours**

- Ethical Challenges in Organic Farming
- Organic Farming Regulations and Certification
- Food Safety and Quality Assurance
- Sustainable Agriculture Practices

Practicum

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The course includes a practicum where students will engage in soil testing and improvement, crop cultivation techniques, pest and disease management, organic farm design, and complete a final organic farming project.

Textbooks

Gliessman, S. R. (2014). Agroecology: The Ecology of Sustainable Food Systems (3rd ed.). CRC Press.

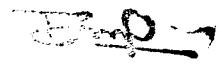
Reference Books

Altieri, M. A., & Nicholls, C. I. (2019). Agroecology and the Search for a Truly Sustainable Agriculture. CRC Press.

Paull, J. (2011). The Dictionary of Organic Farming and Food Production. CABI.

Weil, R. R., & Brady, N. C. (2016). The Nature and Properties of Soils (15th ed.). Pearson.

	Evaluation Component	Weightage (%)
1	Activities and Assignments	20
2	Project	20
3	Attendance	10
4	End Term Examination	50


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K.R. MANGALAM UNIVERSITY
E D U C A T I O N F O R L I F E
(Recognized by UGC and a member of AIU)

Ref.No.: KRMU/Admin./Notice/2021-22/ 2441(A)

Dated: 06th August, 2021

NOTICE

This is to put for information that School of Agriculture Sciences is offering Value-Added Course (VAC) for all interested students during Odd Semester as per the following specifications.

Course Code	Course Title	Coordinating Department / School	Duration
VAC074	Organic Farming	SOAS	30 Hrs.
VAC084	Agricultural Sales and Marketing	SOAS	30 Hrs.

Maximum 100 seats are available for the course.

Course Start Date: 08 September 2021

Course End Date: 29 September 2021

All interested students are required to confirm their registration with the Dean-School of Agriculture Sciences at the latest by **24th August, 2021.**

Registrar

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Copy to:

K R Mangalam University

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- Vice Chancellor
- Dean (Academics Affairs)
- Controller of Examinations
- All Deans/ School Coordinators
- All Faculty Members/ Mentors
- Notice Board
- Office Copy

For kind information

Registrar

K.R. Mangalam University

Sohna Road, Gurugram (Haryana)



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC074

COURSE TITLE: ORGANIC FARMING

ROLL NO	NAME	PROGRAMME	SEMESTER	8-Sep-21	10-Sep-21	17-Sep-21	22-Sep-21	29-Sep-21	3-Oct-21	5-Oct-21	10-Oct-21
2113820022	RIHAN KHAN	B.Sc. (H) Agriculture	Semester I	P	P	P	P	P	P	P	P
2113820017	SAKSHI SINGH	B.Sc. (H) Agriculture	Semester I	A	P	P	A	P	P	P	A
2113820011	PARTH	B.Sc. (H) Agriculture	Semester I	P	P	P	P	A	P	P	P
2113820001	YASH SHARMA	B.Sc. (H) Agriculture	Semester I	P	A	P	P	P	P	A	P

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Dean
School of Agriculture Sciences
K.R. Mangalam University
Sohna road, Gurugram

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COURSE INCHARGE



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC074

COURSE TITLE: ORGANIC FARMING

ROLL NO	NAME	12-Oct-21	17-Oct-21	19-Oct-21	24-Oct-21	26-Oct-21	1-Nov-21	3-Nov-21	5-Nov-21	10-Nov-21	12-Nov-21
2113820022	RIHAN KHAN	P	P	P	P	P	P	P	P	P	P
2113820017	SAKSHI SINGH	P	P	P	P	P	P	A	P	A	P
2113820011	PARTH	P	P	P	P	P	P	P	P	P	P
2113820001	YASH SHARMA	P	P	P	P	A	P	P	A	P	P

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VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC074
COURSE TITLE: ORGANIC FARMING

ROLL NO	NAME	17-Nov-21	21-Nov-21	24-Nov-21	26-Nov-21	1-Dec-21	3-Dec-21	8-Dec-21	10-Dec-21	15-Dec-21	17-Dec-21
2113820022	RIHAN KHAN	P	P	P	P	P	A	A	P	P	A
2113820017	SAKSHI SINGH	P	P	P	P	P	P	A	A	A	P
2113820011	PARTH	P	P	P	P	A	A	P	P	P	A
2113820001	YASH SHARMA	P	A	P	P	P	P	A	P	P	P

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VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC074

COURSE TITLE: ORGANIC FARMING

ROLL NO	NAME	22-Dec-21	24-Dec-21	29-Dec-21	Total	Present	Percentage
2113820022	RIHAN KHAN	P	P	A	31	27	87.10
2113820017	SAKSHI SINGH	A	P	P	31	22	70.97
2113820011	PARTH	P	A	A	31	25	80.65
2113820001	YASH SHARMA	P	A	P	31	24	77.42

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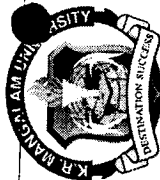
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22/12/21

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K.R. Mangalam University



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE(VAC)

ACADEMIC YEAR 2021-22

COURSE CODE: VAC074

COURSE TITLE: ORGANIC FARMING

COURSE OFFERED BY: SCHOOL OF AGRICULTURAL SCIENCES (SOAS)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2022-23	2113820022	RIHAN KHAN	B.Sc. (H) Agriculture	Semester I	VAC074	ORGANIC FARMING	SCHOOL OF AGRICULTURAL SCIENCES (SOAS)
2	2022-23	2113820017	SAKSHI SINGH	B.Sc. (H) Agriculture	Semester I	VAC074	ORGANIC FARMING	SCHOOL OF AGRICULTURAL SCIENCES (SOAS)
3	2022-23	2113820011	PARTH	B.Sc. (H) Agriculture	Semester I	VAC074	ORGANIC FARMING	SCHOOL OF AGRICULTURAL SCIENCES (SOAS)
4	2022-23	2113820001	YASH SHARMA	B.Sc. (H) Agriculture	Semester I	VAC074	ORGANIC FARMING	SCHOOL OF AGRICULTURAL SCIENCES (SOAS)

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CERTIFICATE OF COMPLETION

This is to certify that **RIHAN KHAN**, University Enrolment No **2113820022** of **B.Sc. (H) Agriculture** programme has successfully qualified **VALUE ADDED COURSE VAC074 (Organic Farming)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

h. rahajan

Controller of Examination

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CERTIFICATE OF COMPLETION

This is to certify that **SAKSHI SINGH**, University Enrolment No **2113820017** of **B.Sc. (H) Agriculture** programme has successfully qualified **VALUE ADDED COURSE VAC074 (Organic Farming)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

hahajan

Controller of Examination

Prof

Registrar

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CERTIFICATE OF COMPLETION

This is to certify that **PARTH**, University Enrolment No **2113820011** of **B.Sc. (H) Agriculture** programme has successfully qualified **VALUE ADDED COURSE VAC074 (Organic Farming)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

h. rajan

Controller of Examination

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CERTIFICATE OF COMPLETION

This is to certify that **YASH SHARMA**, University Enrolment No **2113820001** of **B.Sc. (H) Agriculture** programme has successfully qualified **VALUE ADDED COURSE VAC074 (Organic Farming)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

hachajan

Controller of Examination

Jmf

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