



FIRST-YEAR OF BACHELOR OF VOCATIONAL MINOR SUSTAINABLE AGRICULTURE REVISED SYLLABUS ACCORDING TO CBCS NEP2020

COURSE TITLE: ORGANIC FARMING: PROCESS AND CERTIFICATION
SEMESTER-I, W.E.F. 2024-2025

**RECOMMENDED BY THE BOARD OF STUDIES IN BVOC (SA) AND
APPROVED BY THE ACADEMIC COUNCIL**

DevrukhShikshanPrasarakMandal's

Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and
Vid. DadasahebPitre Science College (Autonomous), Devrukh.
Tal.Sangmeshwar, Dist. Ratnagiri-415804, Maharashtra, India

Academic Council Item No: _____

Name of the Implementing Institute	:	Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and Vid. DadasahebPitre Science College (Autonomous), Devrukh. Tal.Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Vocation (Sustainable Agriculture)
Name of the Department	:	Science
Name of the Class	:	First Year
Semester	:	Second
No. of Credits	:	02
Titleof the Course	:	Organic Farming: Process and Certification
Course Code	:	B109SAT
Name of the Vertical in adherence to NEP 2020	:	Major and Minor
Eligibility for Admission	:	Any 12 th Pass and/or Diploma in agriculture seeking Admission to Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra
Passing Marks	:	40%
Mode of Assessment	:	Formative and Summative
Level	:	UG
Pattern of Marks Distribution for TE and CIA	:	60:40
Status	:	NEP-CBCS
To be implemented from Academic Year	:	2024-2025
Ordinances/Regulations(if any)		

Syllabus for First Year of Bachelor of Vocation in Sustainable Agriculture

(With effect from the academic year 2024-2025)

SEMESTER-II

Paper No.–

Course Title: Organic farming: process and certification

No. of Credits - 02

Type of Vertical: Major and Minor

COURSE CODE:

B109SAT

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...

Course Learning Outcome No.	Blooms Taxonomy	Course Learning Outcome
CLO-01	Remember	Remember the basics of principles and practices of organic farming
CLO-02	Understand	Understand the procedures in nutrient management practices for better soil health and soil fertility
CLO-03	Apply	Apply knowledge to minimize environmental damage by chemical pesticides and promote more usage of natural pesticides
CLO-04	Analyze	Analyze the soil and ensure right soil cultivation techniques at right time
CLO-05	Evaluate	Evaluate certification process to ensure that product you are producing is of a high quality or not.
CLO-06	Create	Create ability to educate farmers, agricultural professionals, and general public about certification process

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SEMESTER-II

Paper No.–

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Type of Vertical: Major and Minor

COURSE CODE: B109SAT

COURSE CONTENT			
Module No.	Content	Credits	No. of Lectures
1	<ul style="list-style-type: none"><input type="checkbox"/> Components of Organic Farming, Pest and Disease Management in Organic Farming: Strategies-Avoidance Techniques<input type="checkbox"/> Managing the Growth Environment, Direct Treatment, Various Herbal pesticides, Plants used, Procedure, benefits<input type="checkbox"/> Weed Management in Organic Farming, Organic Crop Management, Biodiversity Conservation in Organic Farming, Crop planning and rotation design in organic system,<input type="checkbox"/> Organic Farming and Climate Change, Relation of Soil, Organic Food and Human and Environmental Health	01	15
2	<ul style="list-style-type: none"><input type="checkbox"/> India Organic certification, NSOP and APEDA, Principle of Standards,<input type="checkbox"/> Products for Use in Fertilizing and Soil Conditioning, Products for Plant Pest and Disease Control,<input type="checkbox"/> Process of Organic certification, Certification Agencies, Field Inspection	01	15
	Total	02	30

Required Previous Knowledge

No previous Knowledge is required.

Access to the Course

The course is available for all the students admitted for Bachelor of Vocation (SA) as a Major or a minor. The students seeking admission in other disciplines may select the course as a minor considering the terms and conditions laid down by the University of Mumbai, the Government of Maharashtra, and the college, from time to time.

Forms of Assessment

The assessment of the course will be of Formative and Summative type. At the beginning of the course diagnostic assessment will be carried out. The formative assessment will be used for the Continuous Internal Evaluation whereas the summative assessment will be conducted at the end of the term. The weightage for formative and summative assessment will be 50:50. The detailed pattern is as given below.

Term End Evaluation (30 Marks)

Question Paper Pattern

Time: 1.5 hours

Question No.	Unit/s	Question Pattern	Marks
Q.1	All	Fill in the Blanks	6
Q.4	All	Attempt any three question from the following five questions (Applied Questions)	24
		Total	30

Internal evaluation (20 Marks)

Sr. No.	Description	Marks
1	Mid Term Examination	10
2	Active Participation in teaching learning Process	5
3	Subject related activities as assigned by the teacher	5
	Total	20

Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade on the grading scale, and grade F is a fail. The Board of Examinations of the college reserves the right to change the grading scale.

Reference for Unit 1 : Organic farming Theory and practice S. P. Palaniappan, K. Annadurai scientific publishers.

Reference for Unit 2 : Principles of organic farming S.R. Reddy Kalyani publishers. Organic farming Standards Accreditation Certification and inspection by Dushyent Gahalot Agrobios publishers.

Recommended Books :

1. Organic farming Theory and practice S. P. Palaniappan, K. Annadurai scientific publishers.
2. Principles of organic farming S.R. Reddy Kalyani publisher
3. Organic farming Standards Accreditation Certification and inspection by Dushyent Gahalot Agrobios publishers.

Additional Reference Books :

1. Ananthkrishnan, T.N. (ed.) 1992. Emerging Trends in Biological Control of Phytophagous insects. Oxford & IBH, New Delhi.
2. Chhonkar, P.K. and Dwivedi, B.S. 2004. Organic farming and its implications on India's food security. Fertil. News 49(11): 15-18,21-28,31&38.
3. Gaur, A.C. 1982. A Manual of Rural Composting. FAO/UNDP Regional Project Document, FAO, Rome.
4. Howard, A. 1940. An Agricultural Testament. Oxford University, London.
5. Lampin, N. 1990. Organic Farming. Farming Press Books, Ipswich, U.K.
5. Palaniappan, S.P and Anandurai, K. 1999. Organic Farming- Theory and Practice, Scientific Pub., Jodhpur