



**FIRST-YEAR OF BACHELOR OF VOCATIONAL
OPEN ELECTIVE SUSTAINABLE AGRICULTURE
REVISED SYLLABUS ACCORDING TO CBCS
NEP2020**

**COURSE TITLE: INTRODUCTION TO GARDENING
SEMESTER-I, W.E.F. 2023-2024**

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	:	First
No. of Credits	:	02
Title of the Course	:	Introduction to Gardening
Course Code	:	SAOE101
Name of the Vertical in adherence to NEP 2020	:	Open Elective
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)	:	

Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce and Vid. DadasahebPitre Science College, Devrukh (An Autonomous College Affiliated with University of Mumbai)

Syllabus for First Year of Bachelor of Vocation in Sustainable Agriculture

(With effect from the academic year 2024-2025)

SEMESTER-I

Paper No.–

Course Title: Introduction to Gardening

No. of Credits - 02

Type of Vertical: Open Elective

COURSE CODE:SAOE101

Learning Outcomes Based on BLOOM's Taxonomy:

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

Course Learning Outcome No.	Bloom's Taxonomy	Course Learning Outcome
CLO-01	Remember	Remember Different gardening techniques, Their advantages, limitations and requirement
CLO-02	Understand	Understand the plant anatomy and physiology
CLO-03	Apply	Apply practical skills and hands- on experience in gardening
CLO-04	Analyse	Analyse soil type for selection and cultivation of plants
CLO-05	Evaluate	Evaluate soil and plant health to select appropriate nutrition and fertilization
CLO-06	Create	Create ability to maintain garden health

Syllabus for First Year of Bachelor of Vocation in SA

(With effect from the academic year 2023-2024)

SEMESTER-I

Paper No.–

Course Title: Introduction to gardening

No. of Credits - 02

Type of Vertical: Open Elective

COURSE CODE: SAOE101

COURSE CONTENT			
Module No.	Content	Credits	No. of Lectures
1	Introduction to Gardening <ul style="list-style-type: none"> ● Garden Implements and Accessories, Area, Measurements, ● Volumes, Layout - Planning, Different Designs. Containers - Earthen containers, pots, polybags, cement ● Design and layout of gardens for home, school, college, public Buildings, parks, villages and kitchen gardens. Pots, ceramic pots. Types of Gardening - Formal, informal 	01	15
2	<ul style="list-style-type: none"> ● Landscape gardening, Features of Gardens - Gate, lawn, shrubbery, flower beds, borders, paths, hedges, edges, steps, statues, fountains, bird paths, streams, pools, water falls, rockery, arches, pergolas, hanging pots, bird paths, tea house. ● Principles and Practices of landscape design for home gardens and public parks. ● Ornamental Gardening - Scope; importance; nursery management; lawns, layout of lawn, grasses; lawn and its maintenance. 	01	15
Total		02	30

Required Previous Knowledge

Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce and Vid. Dadasaheb Pitre Science College, Devrukh (An Autonomous College Affiliated with University of Mumbai)

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 Books:

1. Bose, T.K. Mukherjee, D. 2004. Gardening in India. Oxford & IBH Publishers.
2. K.V.Peter. 2009. Ornamental plants. New India publishing agency, Pitampura, New Delhi.
3. Arora, J.S. 2006. Introductory Ornamental Horticulture. Kalyani Publishers, Ludhiana
4. Bimaldas Chowdhury and Balai Lal Jana, 2014. Flowering Garden trees. Pointer publishers, Jaipur. India.
5. Mehra and Pramila, Teach yourself Gardening - published by Porquim Random House- ISBN13-9789353494515