



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

COURSE TITLE: GARDNER CUM NURSERY RAISER I (PRACTICAL)
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. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce and Vid. Dadasaheb Pitre 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	:	Gardner cum Nursery Raiser (Practical)
Course Code	:	B103SAP
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-I

Paper No.–

Course Title: Gardner cum Nursery Raiser I (Practical)

No. of Credits - 02

Type of Vertical: Major and Minor

COURSE CODE:B103SAP

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	Recall plant names, characteristics, and growth requirements. Identify common pests and diseases affecting plants.
CLO-02	Understand	Explain the principles of plant propagation. Understand the importance of soil quality and plant nutrition.
CLO-03	Apply	Apply appropriate planting and care techniques for different plant species. Demonstrate proper use of gardening tools and equipment.
CLO-04	Analyze	Analyze soil composition and make recommendations for improvement.
CLO-05	Evaluate	Assess the success of different plant propagation methods.
CLO-06	Create	Develop a plant care schedule tailored to specific plant needs.

Syllabus for First Year of Bachelor of Vocation in SA

(With effect from the academic year 2024-2025)

SEMESTER- I

Paper No.–

Course Title: Gardner cum Nursery Raiser I (Practical)

No. of Credits - 02

Type of Vertical: Major and Minor

COURSE CODE: B103SAP

COURSE CONTENT

Module No.	Content	Credits	No. of Lectures
1	<p>Plantation, Maintenance and Care of Garden</p> <ul style="list-style-type: none"> • Identify vegetable seed, garden tools & implements • Identify different fruit plants & ornamental plants • Understand the seasonal Gardening and • Ground maintenance Understand the different planting and Culture of Floral Display. • Understand and perform the irrigation maintenance in the garden. • Practice Pest and Disease management. • Perform field operations like Maintain Lawn and Turf, Mowing, Fertilizing, Weeding, Irrigation, Aeration and Renovation. • Gain knowledge about the different Plant and Culture of Trees, shrubs etc. • Prepare pot mixtures, potting & repotting of plants • Prune shrubs, hedge, edge & topiary. • Collect soil samples for soil analysis. • Prepare Bordeaux mixture • Prepare spray solution, handling sprayers & dusters 	01	30
2	<p>Maintain Health and safety at the workplace</p> <ul style="list-style-type: none"> • Identification and Use of all protective clothing and safety gears like safety belt, helmet, mask, goggles etc. while executing work like mowing the lawn, pruning trees, • Maintain a clean & efficient workplace Render appropriate emergency procedures. • Practice first aid and general safety/ recommended safe practices. • Undertake basic safety checks before operation of all machinery and vehicles and report all potential hazards to the Supervisor. • Spraying insecticides and pesticides. • Following the instructions as told while using the tools and equipments. • Read and understand the hazardous use and contamination mentioned on the labels of pesticides/ fumigants etc. 	01	30
	Total	02	60

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 60:40. 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	Practical Exam	30
Total			30

Internal evaluation (20 Marks)

Sr. No.	Description	Marks
1	Active Participation in teaching learning Process	5
2	Field work	15
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.