Skill Enhancement Course: Mushroom Cultivation I

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation I	2	1	0	1	Passed class XII	Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: I**
Subject: Botany		
Course: BOT SEC MC1	**Mushroom Cultivation I**	

Course Outcomes:

The successful students will be able to:

1. Understand the economic importance of mushroom cultivation.
2. To learn the basic tools and techniques used in mushroom cultivation.
3. To learn the skills for developing commercial enterprise of mushroom cultivation.

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

04/08/25

Convener & Head
Department of Botany,
Soban Singh Jeena University
Almora-263601, Uttarakhand

04/08/2025

संकायाध्यक्ष
विज्ञान संकाय
सो०सि० जीना विश्वविद्यालय
परिसर–अल्मोड़ा

Unit	Topic	No. of Hours (15)
1	Introduction to mushrooms and their economic importance Scope of mushroom cultivation in India Nutritional and medicinal value of mushrooms Important edible and medicinal mushrooms	15

Practical/Lab Course BOT SEC MC 1P

Unit	Topic	No. of Hours (30)
1	Field visit to the nearby area for identification of naturally growing mushroom species Collection techniques and preservation of mushrooms Introduction to laboratory equipment for mushroom cultivation Visit to mushroom cultivation laboratory/farm	30

Skill Enhancement Course: Mushroom Cultivation II

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation II	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: II**
Subject: Botany		
Course: BOT SEC MC2	**Mushroom Cultivation II**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Spawn and the methods of spawn production Selection and preparation of substrates (compost) for mushroom cultivation Sterilization and pasteurization techniques Storage and transportation of spawn and substrates	**15**

Practical/Lab Course BOT SEC MC 2P

Unit	Topic	No. of Hours (30)
1	Preparation and multiplication of spawn Procedure for testing the spawn quality Methods and equipment used in sterilization and pasteurization of compost Methods of substrate preparation for different mushroom species	**30**

Skill Enhancement Course: Mushroom Cultivation III

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation III	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: II**	**Semester: III**
Subject: Botany		
Course: BOT SEC MC3	**Mushroom Cultivation III**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Cultivation of Button mushroom Cultivation of Oyster mushroom Cultivation of Shiitake mushroom Cultivation of medicinal mushrooms (*Cordyceps* and *Ganoderma*)	**15**

Practical/Lab Course BOT SEC MC 3P

Unit	Topic	No. of Hours (30)
1	Inoculation and Incubation techniques of spawn. Monitoring of growth in cultivation rooms Methods of harvesting and quality assessment techniques Yield estimation in different cultivation methods	30

Skill Enhancement Course: Mushroom Cultivation IV

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation IV	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	Year: II	Semester: IV
Subject: Botany		
Course: BOT SEC MC4	Mushroom Cultivation III	

Credits: 2	Skill Enhancement Course
Max. Marks: As per Univ. rules	Min. Passing Marks: Asper Univ. rules

Unit	Topic	No. of Hours (15)
1	Common diseases impacting the cultivation of mushrooms Methods for controlling disease during mushroom cultivation Pest management during mushroom cultivation Hygiene and sanitation of cultivation rooms	**15**

Practical/Lab Course BOT SEC MC 4P

Unit	Topic	No. of Hours (30)
1	Identification of common diseases in mushrooms Isolation of pathogens from mushrooms Study of bio-control agents used to protect mushrooms Training on integrated pest management	**30**

Skill Enhancement Course: Mushroom Cultivation V

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation V	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: III**	**Semester: V**
Subject: Botany		
Course: BOT SEC MC5	**Mushroom Cultivation V**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Methods for storage of mushrooms Value added products from mushrooms Nutraceutical from the mushrooms Safety standards in mushroom products	**15**

Practical/Lab Course BOT SEC MC 5P

Unit	Topic	No. of Hours (30)
1	Techniques of drying and preservation of mushrooms Development of value added products from mushrooms Quality testing of mushroom products Visit to mushroom processing unit	30

Skill Enhancement Course: Mushroom Cultivation VI

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Mushroom Cultivation 6	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	Year: III	Semester: VI
Subject: Botany		
Course: BOT SEC MC6	Mushroom Cultivation VI	

Credits: 2	Skill Enhancement Course
Max. Marks: As per Univ. rules	Min. Passing Marks: Asper Univ. rules

Unit	Topic	No. of Hours (15)
1	Government schemes and subsides in mushroom cultivation Cost-benefit analysis for setting a mushroom cultivation unit Marketing strategies for mushrooms Supply chain management for mushrooms	**15**

Practical/Lab Course BOT SEC MC 6P

Unit	Topic	No. of Hours (30)
1	Preparation of a business plan for mushroom farm Market survey on the demand of mushrooms Liaising with the mushroom's sellers/users (hostels, restaurants, vegetable sellers) Interactions with successful mushroom entrepreneurs	**30**

Suggested Readings

- Bahl, N. (2000). Hand book of Mushrooms. Oxford & Ibh Publishing Co. Pvt Ltd.
- Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R. (1991). Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
- Swaminathan, M. (1990). Food and Nutrition. Bappco, The Bangalore Printing andPublishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
- Tewari, P. and Kapoor, S.C. (1988). Mushroom cultivation, Mittal Publications, Delhi.

Skill Enhancement Course: Hydroponics I

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Hydroponics I	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: I**
Subject: Botany		
Course: BOT SEC H1	**Hydroponics I**	

Course Outcomes:

The successful students will be able to:

1. Develop a thorough understanding of the concepts of Hydroponics
2. Students will be trained in establishing hydroponic facility.
3. Students will understand various government policies in marketing of hydroponic produce.

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Introduction, Basic principles of hydroponics Importance and scope of hydroponic system Types of hydroponic systems: Nutrient Film Technique (NFT), Deep Water Culture (DWC), ebb and flow, drip irrigation and wick system Advantages and disadvantages of hydroponics over traditional farming	15

Practical/Lab Course BOT SEC H 1P

Unit	Topic	No. of Hours (30)
1	Setting up a basic hydroponic system Identifying different hydroponic setups and their components Introduction to different growing media for hydroponic system.	30

Skill Enhancement Course: Hydroponics II

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Hydroponics II	2	1	0	1	Skill Enhancement Courses in Botany	Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: II**
Subject: Botany		
Course: BOT SEC H 2	**Hydroponics II**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Basic plant physiology relevant to hydroponics Essential nutrients and their role in plant growth Nutrient solutions: Preparation and management pH and EC balancing in hydroponic systems Water quality management and filtration techniques in hydroponic system	**15**

Practical/Lab Course BOT SEC H 2P

Unit	Topic	No. of Hours (30)
1	Preparing and adjusting nutrient solutions for hydroponic farming	**30**

	Testing and adjusting pH and EC levels Identifying nutrient deficiencies and toxicities To know about setup preparation of different hydroponic system	

Skill Enhancement Course: Hydroponics III

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Hydroponics III	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: II**	**Semester: III**
Subject: Botany		
Course: BOT SEC H 3	**Hydroponics III**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)

1	Designing small-scale and commercial hydroponic farms Management of environmental factors: Light, temperature, humidity, and CO2 management Water and nutrient recirculation techniques Common pests and diseases in hydroponics and their management	**15**

Practical/Lab Course BOT SEC H 3P

Unit	Topic	No. of Hours (30)
1	Designing and assembling a hydroponic system Installing and maintaining environmental control systems System maintenance and troubleshooting Pest and disease identification and their management	**30**

Skill Enhancement Course: Hydroponics IV

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Hydroponics IV	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: II**	**Semester: IV**
Subject: Botany		
Course: BOT SEC H 4	**Hydroponics IV**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Selection of crops suitable for hydroponic cultivation Propagation and transplanting techniques in hydroponic system. Growth cycles and yield optimization Vertical farming techniques and urban hydroponics Organic hydroponics and sustainable practices	**15**

Practical/Lab Course BOT SEC H 4P

Unit	Topic	No. of Hours (30)
1	Growing leafy green vegetables, herbs, and fruiting plants in hydroponic systems Implementing vertical farming techniques Experiments related to organic hydroponic solutions	**30**

	Intercropping and mixed cropping in hydroponics	

Skill Enhancement Course: Hydroponics V

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Hydroponics V	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: III**	**Semester: V**
Subject: Botany		
Course: BOT SEC H 5	**Hydroponics V**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Market value of hydroponic farming Market analysis and business planning Cost-benefit analysis for setting a Hydroponic system Branding, marketing, and selling hydroponic produce Certification and regulatory guidelines for hydroponic produce	**15**

Practical/Lab Course BOT SEC H 5P

Unit	Topic	No. of Hours (30)
1	Creating a business plan for a hydroponic farm Market research and analysis - Packaging, labeling, and pricing strategies Visit to a commercial hydroponic farm	**30**

Skill Enhancement Course: Hydroponics VI

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		

Hydroponics 6	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: III**	**Semester: VI**
Subject: Botany		
Course: BOT SEC H 6	**Hydroponics VI**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	**Topic**	**No. of Hours (15)**
1	Government schemes and subsides in Hydroponic farming Recent trends and innovations in hydroponics Research methodologies in hydroponic agriculture Climate-resilient hydroponic farming techniques Policy and future prospects of hydroponics	**15**

Practical/Lab Course BOT SEC H 6P

Unit	**Topic**	**No. of Hours (30)**
1	Preparation of a business plan for Hydroponic farming system Interactions with successful Hydroponic farmers Developing a prototype hydroponic system	**30**

	Internship/industrial training in hydroponics	

Suggested Readings

- Jr. Jones, J.B. (2014). Complete guide for growing plants hydroponically, CRC Press, London.
- Hasan, M., Sabir, N., Singh, A.K., Singh, M.C., Patel, N., Khanna, M., Rai, T., Pragnya, P. (2018). Hydroponics Technology for Horticultural Crops, Tech. Bull. TB-ICN 188/2018. Publ. by I.A.R.I., New Delhi-110012 INDIA.

Skill Enhancement Course: Nursery Development and Floriculture-I

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and Floriculture-I	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: I**

Subject: Botany	
Course: BOT SEC NF1	**Nursery Development and Floriculture-I**

Course Outcomes:

The successful students will be able to:

1. Develop conceptual of nursery and gardening.
2. Gain knowledge about developing commercial enterprise of nursery.
3. Develop conceptual skill about floriculture.
4. Gain knowledge about developing commercial enterprise of commercial floriculture.

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	**Topic**	**No. of Hours (15)**
1	Introduction to Nursery & Floriculture Types of Nurseries Basic plant Classification & Nomenclature Importance of Soil & Water in Nursery Management Common Nursery Tools & Equipment	**15**

Practical/Lab Course BOT SEC NF 1P

Unit	**Topic**	**No. of Hours (30)**
1	Site Selection and Layout Planning for nursery development	**30**

	Soil Preparation and Bed Making Seed Sowing and Germination Techniques Identification & Use of Tools used in Nursery Basic Watering & Irrigation Methods	

Skill Enhancement Course: Nursery Development and Floriculture-II

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and Floriculture-II	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: I**	**Semester: II**
Subject: Botany		
Course: BOT SEC NF 2	**Nursery Development and Floriculture-II**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours

		(15)
1	Methods of Plant Propagation Seed Propagation & Its Importance Vegetative Propagation (Cutting, Grafting, Layering) Micropropagation (Tissue Culture Basics) Role of Plant Growth Regulators Factors Affecting Plant Growth Hardening of plants in glass house, mist chamber etc.	**15**

Practical/Lab Course BOT NF 2P

Unit	Topic	No. of Hours (30)
1	Hands-on Seed Propagation in nursery Grafting & Cutting Techniques Layering & Rooting Media Preparation Use of plant Growth Regulators Hardening & Acclimatization Nursery Hygiene & Sanitation	**30**

Skill Enhancement Course: Nursery Development and Floriculture- III

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and Floriculture-III	**2**	**1**	**0**	**1**		**Nil**

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: II**	**Semester: III**
Subject: Botany		
Course: BOT SEC NF 3	**Nursery Development and Floriculture-III**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Nursery Layout Planning & Design Watering, Fertilization & Pest Control in nursery Selection of Planting Material Nursery Commercialization & Market Trends Certification & Quality Control Legal Aspects & Policies in nursery	**15**

Practical/Lab Course BOT SEC NF 3P

Unit	Topic	No. of Hours (30)
1	Setting Up a Small Nursery Drip Irrigation & Fertilization Pest & Disease Control of plants Maintenance & Pruning, Labeling & Packaging of Plants Visit to a local commercial Nursery	**30**

Skill Enhancement Course: Nursery Development and Floriculture- IV

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and Floriculture-IV	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: II**	**Semester: IV**
Subject: Botany		
Course: BOT SEC H 4	**Nursery Development and Floriculture-IV**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Introduction to Floriculture Importance and scope of floriculture Classification of Ornamental Plants	15

	Cultivation Techniques for some Important Flowers Landscape Designing Principles used in floriculture Greenhouse & Polyhouse Technology	

Practical/Lab Course BOT SEC NF 4P

Unit	Topic	No. of Hours (30)
1	Growing Flowers in Open & Protected Conditions Designing Flower Beds & Lawns Flower Arrangement & Bouquet Making Greenhouse/Play house Setup for flower production Pest management Visit to a Floriculture Farm	**30**

Skill Enhancement Course: Nursery Development and Floriculture-V

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and	**2**	**1**	**0**	**1**		**Nil**

Floriculture- V						

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: III**	**Semester: V**
Subject: Botany		
Course: BOT SEC NF 5	**Nursery Development and Floriculture- V**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	**Topic**	**No. of Hours (15)**
1	Harvesting & Post-Harvest Handling of Flowers Storage & Transportation Techniques Dry Flower Technology & Preservation Essential Oils & Their Extraction from flowers Value-Added Products from Flowers	**15**

Practical/Lab Course BOT SEC NF 5P

Unit	**Topic**	**No. of Hours (30)**
1	Post-Harvest Handling Techniques Techniques of flower Drying & Preservation Development of value added products from flowers Packaging & Marketing Training in a Floriculture Industry	**30**

Skill Enhancement Course: Nursery Development and Floriculture- VI

No. of Hours- 45

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title	Credits	Credit distribution of the Course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/Practice		
Nursery Development and Floriculture- 6	2	1	0	1		Nil

Skill Enhancement Courses in Botany		
Programme : Skill Enhancement Courses in Botany	**Year: III**	**Semester: VI**
Subject: Botany		
Course: BOT SEC NF 6	**Nursery Development and Floriculture- VI**	

Credits: 2	**Skill Enhancement Course**
Max. Marks: As per Univ. rules	**Min. Passing Marks: Asper Univ. rules**

Unit	Topic	No. of Hours (15)
1	Marketing strategies for nursery development and flower production Government schemes and subsides in nursery development and floriculture Cost-benefit analysis for setting a nursery	15

Practical/Lab Course BOT NF 6P

Unit	Topic	No. of Hours (30)
1	Preparation of Small Nursery Business Plan Market survey on the demand of flowers Liaising with the flower sellers/users Training in a Nursery/Floriculture Startup	30

Suggested Readings

- Agrawal, P.K. (1993). Hand Book of Seed Technology, Dept. of Agriculture and Cooperation, National Seed Corporation Ltd., New Delhi.
- Bose T.K. and Mukherjee, D. (1972). Gardening in India, Oxford and IBH PublishingCo., New Delhi.
- Jules J. (1979). Horticultural Science. (3rd Ed.), W.H. Freeman and Co., San Francisco,USA.
- Kumar, N. (1997). Introduction to Horticulture, Rajalakshmi Publications, Nagercoil.
- Sandhu, M.K. (1989). Plant Propagation, Wile Eastern Ltd., Bangalore, Madras.
- Randhawa, G.S. and Mukhopadhyay, A. (1986). Floriculture in India. Allied Publishers.

04/08/2025

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परिसर—अल्मोड़ा