

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF BOTANY

COURSE CURRICULUM

PART- A: Introduction					
Program: Bachelor in Life Sciences <i>(Certificate / Diploma / Degree)</i>		Semester - II/IV/V/VI	Session: 2024-2025		
1	Course Code	BOSEC-01			
2	Course Title	Gardening and Floriculture			
3	Course Type	Skill Enhance Course (BOSEC 01)			
4	Pre-requisite (if, any)	As per program			
5	Course Learning Outcomes (CLO)	After completion of this course, the students will be able to - > understand the concept of Gardening & Floriculture > learn about the gardening technique and familiar with gardening tools > adopt the skill of gardening as well as floriculture > student may develop entrepreneurship in this field.			
6	Credit Value	2 Credits (1C + 1C)	Credit = 15 Hours – Theoretical learning and = 30 Hours Laboratory or Field learning/Training		
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20		
PART -B: Content of the Course					
Total No. of Teaching-learning Periods: Theory – 15 Periods (15 Hrs) and Lab. or Field learning/Training 30 Periods (30 Hours)					
Module	Topics (Course contents)		No. of Period		
Theory Contents	<ol style="list-style-type: none"> Concept & Types of Garden: Concept of Garden & Landscape Gardening, Styles of garden – Formal & Informal garden, Free style gardens, Home garden, Hanging garden; Types of gardens – English, Mughal, Babylonian garden <i>[Observation & Practices]</i> Garden plants: Ornamental plants - Shrubbery, Fernery, Arches (climbers and creepers), Pergolas, Edges & Hedges and Pot plants, Cacti and Succulents plants, Flower borders and beds, Ground covers and carpet beds <i>[Observation & Practices]</i> Floriculture: Present situation & scope in India. Various types of flowers – Seasonal flowers, Cut flowers. Flower Crops - Rose, Chrysanthemum, Carnation, Gerbera, Gladioli, Tuberose, Aster, Lilly, Dahlia and Marigold. <i>[Observation & Practices]</i> 		15		
Lab./Field Training Contents	<ol style="list-style-type: none"> Familiarization with different tools and equipments used in gardening work. Design and Plotting of Garden and Preparation of Soil for Garden Soil decontamination techniques, Planting methods, Fertigation method Propagation techniques for selected ornamental plants Weed management Harvesting techniques, Post-harvest handling, Pre cooling, Pulsing, Packing, Preparation of composite mixture and manuring practice in nursery and pots. Practice in budding, cutting, layering and grafting etc. Practice of flower arrangements, flower bouquet. 		30		
Keywords	Garden, Flower, Floriculture, Garden tools				
Signature of Convener & Members (CBoS)					
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PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Randhawa, G. S. and Mukhopadhyay, A. (1986) "Floriculture in India." Allied Publisher (India)
2. Bhattacharjee, S. K. (2006) "Advances in Ornamental Horticulture." Vols. I-VI. Pointer Pub.
3. Lauria, A. and Victor, H. R. (2001) "Floriculture – Fundamentals and Practices." Agrobios.
4. Sabina, G. T. and Peter, K. V. (2008) "Ornamental Plants for Gardens." New India pub. India.

Online Resources–

- e-Resources / e-books and e-learning portals
- www.swayam.ac.in
- www.ignou.ac.in
- www.egvankosh.ac.in
- www.iitm.ac.in
- www.eskillindia.org
- www.eshiksha.mip.gov.in
- www.vlab.co.in
- www.internshala.com
- www.ndl.iitkgp.ac.in

Online Resources–

- e-Resources / e-books and e-learning portals
- <https://indiaagronet.com/horticulture/CONTENTS/LANDSCAPE.htm>
- https://www.youtube.com/watch?v=ZUIh6ZFO48c&ab_channel=MountainGardens
- <https://www.youtube.com/watch?v=EE0oQO6n9iA>
- <https://www.teachmint.com/tfile/studymaterial/bsc/j1063fog/11styleofgardeningpdf/0dba825bd66d-4180-afe1-28950aa42454>
- [https://k8449r.weebly.com/uploads/3/0/7/3/30731055/types_of_gardens \[compatibility mode\] pdf-signed.pdf](https://k8449r.weebly.com/uploads/3/0/7/3/30731055/types_of_gardens_[compatibility_mode]_pdf-signed.pdf)
- <https://www.egvankosh.ac.in/bitstream/123456789/73050/1/Unit-2.pdf>
- [https://www.academia.edu/40140208/A_HANDBOOK_ON_FLORICULTURE And Landscape](https://www.academia.edu/40140208/A_HANDBOOK_ON_FLORICULTURE_And_Landscape)
- https://k8449r.weebly.com/uploads/3/0/7/3/30731055/landscape_gardening.pdf
- <https://homeguides.sfgate.com/gardening-tools-uses-41745.html>
- <https://tractoroguru.in/blog/floriculture-types-of-flowers-tips-and-importance-of-floriculture/>

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks:	50 Marks
Continuous Internal Assessment (CIA):	15 Marks
End Semester Exam (ESE):	35 Marks

Continuous Internal Assessment (CIA): 15 (By Course Coordinator)	Internal Test / Quiz-(2):	10 & 10	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks	
	Assignment/Seminar + Attendance -	05		
Total Marks -		15		
End Semester Exam (ESE): 35	Laboratory / Field Skill Performance: On spot Assessment		Managed by Coordinator as per skilling	
	A. Performed the Task based on learned skill -			20 Marks
	B. Spotting based on tools (written)			- 10 Marks
C. Viva-voce (based on principle/technology) -		05 Marks		

Name and Signature of Convener & Members of CBoS:

- 1.
- 2.
- 3.
- 4.
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