



University of Kerala

Discipline	BOTANY				
Course Code	UK5SECBOT301				
Course Title	VEGETABLE GARDENING				
Type of Course	SEC				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	03	03 Hours	-	-	03 Hours
Pre-requisites	No Pre requisites				
Course Summary	Through this SEC, students will acquire knowledge about gardening and different vegetables that can be cultivated through gardening. They will understand the global demand and premium price organic products fetch in the market. The course may motivate the students to get into vegetable gardening and its Marketing.				

Detailed Syllabus:

Module	Unit	Content	Hrs
I	Introduction to Vegetable Gardening		04
	1	History and scope of Vegetable gardening	
	2	Need for healthy lifestyle through Vegetable gardening	
	3	Qualities of a good garden	
II	Garden and Garden Planning		10
	4	Soil preparation and Potting mixture	
	5	Different types and importance of containers in gardening	
	6	Garden Planning and designing	
III	Gardening techniques		14
	8	Different types of propagules for garden	
	9	Preparation of nursery beds for raising vegetable seedlings	
	10	Sowing/Planting Methods	
	11	Watering and Irrigation techniques	
	12	Manuring : Organic fertilizers. Use of Organic growth promoters	
IV	Management and Maintenance of Garden		08
	13	Common pests and diseases of vegetables	
	14	Natural pest control methods	
	15	Preparation of natural pest repellents	
V	Value addition and Future Prospects		09
	17	Harvesting and Post Harvesting Management	
	18	Inspection, Certification, Labelling procedure, Marketing & Export	

19	Quality Control and certification procedures of Organic products in India
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Suggested Reading

1. B.Choudhary. (1967). Vegetables, National Book Trust India, New Delhi.
2. Bhattarai, Dhruva & Giri, Bhattarai & Schreinemachers, Pepijn. (2022). School Vegetable Gardening Concept, curriculum & action. ISBN No. 978-9937-0-0413-8
3. Bose, T. K., M. G. Som and J. Kabir. (1993). Vegetable crops.
4. Jitendra Singh (2004), Basic Horticulture, Kalyain Publications, New Delhi
5. Ludhiana Singh, Umashankar, (2008). Indian Vegetables. Anmol Publications. Pvt.Ltd. New Delhi.
6. M.S.Dhaliwal, (2008). Handbook of Vegetable Crops. Kalyani Publishers.
7. P.Hazra, (2006).Vegetable science. Kalyani Publishers. Ludhiana
8. Pratibha Sharma, (2007). Vegetables: Disease Diagnosis and Biomanagement. Avishkar Publishers. Jaipur
9. Saini, S.G. (1997). A text book of vegetable production. Aman Publishing House, Meerut, U.P.
10. T. K. Bose, (2002). Vegetable Crops. Nayaprakash. Kolkata
11. T. R. Gopal Krishnan, (2007). Vegetable Crops. New India Publishing Agency. New Delhi.
12. Veeraraghavathatham, D., M. Jawaharlal, Seemanthini Ramadas. (1991). A guide on vegetable culture, A.E.Publication, Coimbatore.

Course Outcomes

No.	Upon completion of the course the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Understand need for healthy lifestyle	U	PSO-1, 7
CO-2	Analyse different types and steps in vegetable gardening	R, U	PSO-4
CO-3	Utilize different techniques for proper Management and Maintenance of Garden	Ap	PSO-4, 7
CO-4	Examine different measures of post harvesting measures involved vegetable gardening	An	PSO-4, 7

R-Remember, U-Understand, Ap-Apply, An-Analyse, E-Evaluate, C-Create

Name of the Course: Vegetable Gardening

Credits: 3:0:0 (Lecture:Tutorial:Practical)

CO No.	CO	PO/PSO	Cognitive Level	Knowledge Category	Lecture (L)/Tutorial (T)	Practical (P)

CO-1	1	1, 7	U	F, C	L	
CO-2	2	4	R, U	P	L	
CO-3	3	4, 7	Ap	P		P
CO-4	4	4, 7	An	M		P

F-Factual, C- Conceptual, P-Procedural, M-Metacognitive

Assessment Rubrics:

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Programming Assignments
- Final Exam

Mapping of COs to Assessment Rubrics :

	Internal Exam	Assignment	Project Evaluation	End Semester Examinations
CO 1	✓			✓
CO 2	✓			✓
CO 3	✓		✓	✓
CO 4		✓		✓