

Certificate course on

Plant Propagation and Nursery Management



Objectives:

This course aims to develop a basic understanding of the principles of plant propagation, an overview of propagation techniques, a general knowledge of the methods of propagation of the more commonly cultivated plants and the basic knowledge on entrepreneurial skills required to run a small scale commercial nursery.

Justification

The main problem of unemployment in the present situation can only be alleviated with self employment. There are lot of areas in agriculture to take up an enterprise and one of it is plant propagation. The number of educated but untrained youth who have passed VHSE/Plus two or above is increasing. These youth lack technical skill to start an enterprise. This course aims to give applied knowledge on basics of plant propagation, nursery management and basics of entrepreneurship development. In a state like Kerala where horticulture crops dominate, require more specialist propagators for successful management of the nursery industry.

Details of the proposed programmes

Duration : 6 months
Total Credits : 17
Location : Centre for E-learning, Kerala Agricultural University
College of Horticulture, Vellanikkara, Thrissur

Major areas of teaching

Major areas:

No	Module	Hours	Credit
a	Basics of nursery management	12	1+0
b	Seed propagation	36	1+1
c	Vegetative propagation-I	36	1+1
d	Vegetative propagation-II	36	1+1
e	Commercial nursery management	72	2+2
f	Entrepreneurship Development	12	1+0
g	Case study & project report	48	0+2
h	Major project work	96	0+4
Total		348	8+10=18

Selection process : On-line registration and Online screening

Eligibility for admission : Candidate should have a minimum qualification of pass in VHSE (Agriculture & allied subjects)/ pass in +2

Implementing team :

Institutional Head : Associate Dean, College of Horticulture

Supervising Head : Director
Centre for E-learning

Course Director : Institutional Co-ordinator (Extension)
Centre for E-learning

Principal Faculty : 1. From Dept. of Pomology and Floriculture,
2. From Dept. of Olericulture

Collaborating Centres /Units (proposed) : 1. Department of Pomology and Floriculture, College of Horticulture
2. Department of Olericulture, College of Horticulture
3. Department of Plant Breeding/Seed Technology, College of Horticulture

- 4.Department of Plant Biotechnology
- 5.Department of Crop Physiology, College of Horticulture
- 6.Dept. of Plantation crops and Spices
- 7.Department of Agri. Economics, College of Horticulture
- 8.Department of Agri. Engineering, College of Horticulture
- 9.Central Nursery, Kerala Agricultural University

Course fee : Rs. 6,000/- per student

TIME SCHEDULE AND CREDIT

Sl. No	Code	Module	Credit	Hour	Distribution of sessions				
					Theory	Practical class	Field work	Project Work	Assignment
1.	PNM-1	Basics of nursery management	1+0	12	12	--	---	---	--
2.	PNM-2	Seed propagation	1+1	36	12	06	06	---	--
3.	PNM-3	Vegetative propagation-I	1+1	36	12	06	06	---	--
4.	PNM-4	Vegetative propagation-II	1+1	36	10	06	06	---	02
5.	PNM-5	Commercial nursery management	2+2	72	20	12	12	---	04
6.	PNM-6	Entrepreneurs hip Development	1+0	12	12	--	---	---	--
7.	PNM-7	Case study & project report	0+2	48	---	---	12	12	---
8.	PNM-8	Major project work	0+4	96	---	---	---	48	---
TOTAL			18	348	78	30	42	60	06

Note: One theory session is for 1 hour. Sessions of practical, field work, project work and assignments are for 2 hours.

Mode of delivery

Theory : Blend of online tutorials, class room sessions and non-compulsory contact classes

Practical : Illustrated online labs and non-compulsory hands on practical sessions

Note : All the course materials dispatched and exams conducted are online and in English

Participants should have a valid E-Mail ID

Scheme of Evaluation :

The performance of the student will be evaluated through internal assessment. The internal assessment will be through online mid-term examination, assignments, project works and a written final examination.

Theory paper (Maximum – 100 & Minimum for pass – 40 Marks)

Midterm	Final exam	Total
20 Marks	60 Marks	100 Marks

Practical paper (Maximum – 100 & Minimum for pass – 40 Marks)

Assignment	Final practical	Total
30 Marks	70 Marks	100 Marks

Score card

< 40 %	= Failed
40 - 59	= Second Class
60 - 79	= First Class
80 and above	= First class with distinction

Absence from Examination

A student who could not attend the online midterm examination will get two more chances to write the exam at monthly intervals. A student has to complete the midterm examination before appearing the final examination. Those who miss/fail in the final examination will get two supplementary chances within the maximum period of one year.