



**Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore**  
**Shri Vaishnav Institute of Agriculture**  
**Generic Elective Course (Agriculture)**  
**IX Semester**

Course code	Course name	TEACHING & EVALUATION SCHEME							
		THEORY			PRACTICAL		L	P	Credits
		End sem. university exam	Two-term exam	Teachers Assessment <sup>h</sup>	End sem. university exam	Teachers Assessment			
AGGE117	Fundamentals of Plantation Crops	60	20	20	0	0	4	0	4+0

**Legends:** L - Lecture; P – Practical; C-Credit; \*Teacher Assessment shall be based on following components:  
Quiz / Assignment / Project / Participation in Class,

**Course Objective:** To impart comprehensive knowledge to the students on cultural and management practices for growing plantation crops.

**Course Outcomes:** After taking the course, students will be able to:

1. Impart basic knowledge about the importance and management of plantation crops grown in India.
2. Brief knowledge of commercial varieties of regional, national and international importance eco-physiological requirements, recent trends in propagation, rootstock influence, planting systems, cropping system, root zone and canopy management, nutrient management and water management in plantation crops.
3. Biotic and abiotic factors limiting fruit production, pollination fruit set and development, physiological disorders – causes and remedies; maturity indices, harvest, grading, packing in plantation crops.

**Syllabus**

Unit-1: Introduction, importance and scope of plantation crop industry in India.

Unit-2: Propagation techniques of plantation crops and principles of orchard establishment.

Unit-3: Principles and methods of training and pruning in plantation crops. Production technology of tea and coffee

Unit-4: Pollination, pollinizers and pollinators of plantation crops. Cultivation of oil palm and palmyrah palm.

Unit-5: Package of practices for plantation crops i.e., coconut, areca nut, cashew nut and rubber.

**Suggested readings:**

Dhillon W.S. (2022) Plantation Crops in India. Narendra Publishing House, Rohini, Delhi.

Gupta G. (2013) Diseases of Plantation Crops. Discovery Publishing House Pvt. Ltd. New Delhi.

Prasad K. (2023) Fundamentals of Horticulture. Elite Publishing House, New Delhi.

Sreekala G.S. (2023) Plantation Crops A Handbook. Kalyani Publishers, New Delhi.

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