



**Course:** **Microgreens Masterclass: A Practical Approach to Starting a Microgreens Business**

**Contact Hours:** **12**

**Pre-requisite:** **N/A**

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### **Abstract**

This course is designed for persons who have an interest in starting a business in microgreens production. At the end of the course, students will have a better understanding of the horticultural science of plant care, pest and disease management, fertilizer application, and post-harvest handling technology. Moreover, practical, and cost-effective ways will be shared in establishing your own microgreens farm from your home. Microgreens is an increasingly popular product that promotes a healthier nutrition-packed plant that caters to a healthy active lifestyle.

### **What are Microgreens:**

Microgreens are young seedlings of edible vegetables and herbs. Unlike larger herbs and vegetables that take weeks or months to grow, microgreens can be harvested and eaten a week to 10 days after the cotyledon — a part of the embryo within the seed — leaves have developed. These tiny plants are big on flavor and loaded with antioxidants and vitamins. Plus, they're super easy and quick to grow yourself.

Even if you lack space for a garden, growing microgreens indoors near a sunny window (or under a grow light) is a snap. Within a few weeks, you can go from seeds to a crop of tiny, tasty edibles ready to snip, eat or sell.

### **Target Audience**

- Persons new to crop farming

### **Learning Outcomes**

On completion of this course, learners will be able to:

1. Understand the horticultural science of plant care, pest and disease management
2. Understand fertilizer application
3. Post-harvest handling technology
4. Establishing their own microgreens farm

## Course Content

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### 1. Session 1

- Introduction and Overview of Microgreens production
- Seed Science and Botany

### 2. Session 2

- Requirements and Environmental Conditions for Microgreens Production
- Online Demonstration

### 3. Session 3

- Plant Fertility and Nutrient Application
- Pest and Disease Management (IPM Approach)

### 4. Session Fours

- Post-Harvest Management and Value Additions
- Business Plan and System Design