



AgTechEDGE  
Skills to Feed the World

A composite image of a modern farm. On the left, a large white polytunnel greenhouse is visible. In the center, a white drone flies in the sky above a field. In the foreground, a man in a grey shirt and blue jeans stands by a white fence, looking at a smartphone. To his left, a robotic arm is shown harvesting a green leafy vegetable. In the background, two cows are visible behind the fence. The sky is filled with white and grey clouds.

## *Micro-courses & Micro-Credentials Horticulture*

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# AgTechEDGE

Explore Horticulture Topics  
"Bite" size courses  
Certificate of Completion / Earn Badges  
A New Way of Learning

All courses developed by highly qualified  
academics from around the globe.

# Horticulture Course Catalog



Aquaponics  
Family Gardening  
Garden Centers  
Garden Design  
Garden Techniques  
Horticulture Therapy  
Hydroponics  
Nursery Management  
Plant Diseases  
Vegetable Growing  
Vertical Growing

New courses added monthly – catalog ever updated.

# Family Gardening Micro-courses

Food From the Garden  
Fruit and Vegetables: Deciding What to Grow  
Fruit and Vegetables: Special Growing Techniques  
Fruit and Vegetables: Successful Growing  
Fruit and Vegetables: Using Produce  
How to Grow Berries  
How to Grow Citrus Fruits  
How to Grow Deciduous Fruit Trees  
How to Grow Fruits - Introduction  
How to Grow Mushrooms  
How to Grow Vegetables  
How to Grow Vine Crops  
How to Grow Tomatoes  
Growing Potatoes  
Tropical Herbs, Vegetables and Fruit-Bearing Plants  
Cultural Requirements for Temperate Climate Fruit Crops  
Introduction to Temperate Climate Fruit Growing  
Marketing Temperate Climate Fruit Crops



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## Garden Center Micro-courses

Closing a Sale  
Getting a Customers Attention  
Gaining and Keeping Customers  
Helping the Product Sell  
Presentation & Communication in  
Selling  
Product Knowledge  
Selling made Simple  
The Law & Selling



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# Garden Design Micro-courses

Introduction to Garden Design  
Appropriateness of Garden Design  
Color in the Garden  
Garden Art  
Garden Design: Applications for Color  
Garden Design: Choosing Plants  
Garden Design: Creating an Impact  
Garden Design: Dealing With Shade  
Garden Design: Designing to a Budget  
Fitting More in a Small Garden  
How to Create Topiary  
Windbreaks, Hedges and Screens  
Designing a Cottage Garden  
Designing a Coastal Garden  
Water Gardens



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# Garden Techniques Micro-courses



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Detecting Plant Problems  
Plant Establishment Methods  
Plant Selection  
Plants For Dry Gardens  
Plants For Various Situations  
Solutions For Wet Areas  
Watering and Feeding Your Garden  
Compendium of Plants- How to Prune and when  
Introduction to Pruning  
Managing Pruning's  
Pruning For Fruit Production  
Pruning Hedges  
Pruning Roses  
Pruning Tools And Equipment  
Shaping Plants  
Types of Pruning



# Horticulture Therapy Micro-courses

Introduction to Horticultural Therapy  
Activities for People with Mobility Issues in Horticultural Therapy  
Horticultural Therapy  
Container Gardening in Horticultural Therapy  
Counselling Skills in Horticultural Therapy  
Creating a Therapeutic Garden  
Enabling the Disabled in Horticultural Therapy  
Food Production in Horticultural Therapy  
Generating Income with Horticultural Therapy  
Risk Management in Horticultural Therapy





# Hydroponics Micro-courses



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Introduction to Hydroponics  
Types of Hydroponic Systems  
Components of Hydroponic Systems  
Nutrient Deficiency and Toxicity  
Pest and Disease Problems  
Climate Management  
Nutrition Management  
Troubleshoot Problems in Grow  
Growing Media  
Plant Nutrition and Nutrient Solutions



# Nursey Management Micro-courses Commercial

Types of Irrigation Systems  
Irrigation for Nurseries  
The Nursery Site  
Nursery Materials and Equipment  
Nursery Management  
Nursery Marketing  
Garden Arches, Pergolas and Pavilions  
Introduction to Irrigation



# Nursery Management Micro-courses Home-based

Introduction to the Nursery Industry  
Introduction into Starting a Backyard  
Nursery  
Backyard Nursery Management  
Backyard Nursery Organisation &  
Management  
Backyard Nursery Plant Health  
Propagation Materials  
Propagation Techniques & Equipment  
Propagating Seeds and Cuttings  
Irrigation Pumps and Filters  
Irrigation Scheduling



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## Plant Diseases Micro-courses

Plant Health and Diseases  
Plant Health and Environmental  
Problems  
How to Identify Health Problems in  
Your Plants  
Pests and Plant Health  
Recognizing Plants That Develop  
Health Problems  
Treating Problems in General Plant  
Health  
Pests, Diseases & Weeds



# Vegetable Growing Micro-courses

How to Grow Beets

How to Grow Carrots and Their Relatives

How to Grow Less Common Root Crops

How to Grow Potatoes

How to Grow Turnips and their Relatives

How to Grow Yams and Sweet Potato

Introduction to Root Cropping and Root

Botany

Root Vegetables: Harvest and Post-Harvest Requirements

Root Vegetables: Soil Management, Crop Scheduling and Soil Water

Root Vegetables: Weed Control and Pest Management



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# Vertical Growing Micro-courses

Vertical Farming and Gardening:  
Automation  
Vertical Farming and Gardening:  
Maintenance  
Vertical Farming and Gardening: Plant  
Selection  
Vertical Food Production



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## How May We Assist You?

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# Dr. Sue Raftery- CEO, AgTechEDGE



- eLearning Pioneer with 20+ years in digital learning administration/start-up
  - Directed the development, launch, and execution of three for-profit universities – DeVry, American Intercontinental, and Argosy, including all third-party compliance and credentialing requirements
  - Overseen the development, building and delivery of over 600+ online courses in multiple disciplines
  - Recruited and trained 250+ online subject matter experts/faculty
  - 15+years experience teaching online (business management, behavioral sciences)
- Management/Administrative
  - Vice-Provost Workforce Development/Adult Learning, Wayne State University
  - Dean, Business Management, Jones International University, launched first fully online non-residency doctoral degree for management practitioners, globally
  - Economic Development Specialist, Alabama Cooperative Extension Service, lead state-wide economic development projects for the College of Agriculture, Auburn University
- Education
  - PhD Agriculture Economics & Rural Sociology The Ohio State University, Columbus, OH
  - Master of Science Agriculture Economics The Ohio State University, Columbus, OH
  - Bachelor of Arts Humanities The Ohio State University, Columbus, OH

