

**Course Information Sheet**

Course Name: Practicum in AFNR - Plant Science

Instructional Material: iCEV

First Semester:

Week	Topic/Unit
1	Practicum Introduction & Safety Protocols in a Plant Science Setting
2	Professionalism, Work Ethic, & Communication Skills
3	Plant Science Business & Customer Relations
4	Plant Propagation: Hands-on Seed Starting
5	Plant Propagation: Hands-on Cuttings & Grafting
6	Soil & Media Mixing for Various Crops
7	Plant Nutrition: Fertilizing & pH Management
8	Irrigation & Water Management Techniques
9	Integrated Pest Management (IPM) & Scouting
10	Identifying & Managing Pests of Plant Crops
11	Identifying & Managing Diseases of Plant Crops
12	Greenhouse Operations & Environmental Controls
13	Nursery & Landscape Plant Identification
14	Plant Installation & Landscape Maintenance
15	Post-Harvest Handling & Storage of Crops
16	Record Keeping & Data Collection for a Production Crop
17	Marketing & Merchandising of Plant Products
18	Final Review & Fall Semester Wrap-up

**Second Semester:**

Week	Topic/Unit
19	Plant Production: Bedding Plants & Annuals
20	Plant Production: Perennials & Potted Plants
21	Plant Production: Cut Flowers & Floral Crops
22	Plant Production: Fruits & Vegetables
23	Sustainable & Organic Plant Production Practices
24	Business Management: Financial & Inventory Control
25	E-commerce & Social Media Marketing for Plant Sales
26	Wholesale vs. Retail Operations
27	Customer Service & Sales Techniques
28	Supervised Agricultural Experience (SAE) Project Documentation
29	Career Exploration & Portfolio Development
30	Advanced Horticultural Equipment Operation
31	Research & Presentation on a Specific Crop or Topic
32	Hands-on Project: Designing & Building a Hydroponic System
33	Hands-on Project: Managing a Production Crop from Start to Finish
34	Final Project: Creating a Business Plan for a Plant Operation
35	Legal & Regulatory Aspects of the Plant Industry
36	Final Review & Spring Semester Wrap-up