



**MARCH 3<sup>RD</sup>, 10<sup>TH</sup>, and 17<sup>TH</sup>**

**10am-3pm MST**

*Online via Zoom*



**Controlled Environment  
Agriculture Center**

# UA-CEAC's 2021 Online Greenhouse Crop Production & Engineering Design Short Course

Expand your knowledge, sharpen your skills, and network with industry leaders and academia experts in Controlled Environment Agriculture.

## **SPEAKERS WILL INCLUDE:**

**Erik Runkle, Neil Mattson, Jenn Frymark, Hope Jones, Leo Marcelis, Merle Jensen, Myles Lewis, Stacy Tollefson, Gene Giacomelli, Barry Pryor, and Murat Kacira**

### **Day 1:**

- ▶ Controlled Environment Greenhouse and Hydroponics- Limitless Opportunity
- ▶ Hydroponics- Medium Composition & Delivery Systems
- ▶ Greenhouse Environments- Tools to Technology Trends
- ▶ Greenhouse Structures- Glazing and Environmental Control
- ▶ Managing Plant Nutrition for Quality Crop Production

### **Day 2:**

- ▶ Lighting
- ▶ Fertigation Systems in CEA
- ▶ Pest Identification and Control Strategies
- ▶ Elements for a Successful Urban Ag Start-Up

### **Day 3:**

- ▶ Fundamentals of Hemp
- ▶ Mushrooms in CEA
- ▶ Organic Hydroponic Food Production
- ▶ Plant-Based Environmental Control