



**HORT 298 Horticulture Practicum**

2 Credits

**Course Description:**

Course provides students with hands-on experiences within the different aspects of the Horticulture Industry that happen primarily during the Spring. Students will apply concepts discussed in the various Horticulture courses offered in the Horticulture Program. Students will work directly with production, daily operations, and management in greenhouse technology, Specialty crops, hydroponics, aquaponics, pest management and herbaceous landscape. Course study will be based on common activities performed during the Spring season.

**Pre-/Co-requisites:** None

**Course Objectives:**

- Demonstrate management principles of the Horticulture Industry and its various components.
- Demonstrate skills and capabilities in Horticulture production and operations.
- Demonstrate communication and soft skills in a working environment.
- Apply learning from the curriculum to a work environment.
- Demonstrate supervisory communication and soft skills in a working environment.

**Instructor:** Keith Knudson

**Office:** Molberg Center; Room 26

**Office Hours:** By arrangement

**Phone:** 701-228-5489

**Email:** [Keith.a.knudson@dakotacollege.edu](mailto:Keith.a.knudson@dakotacollege.edu)

**Lecture/Lab Schedule:**

Monday; Wednesday 1-2:20PM, Friday 1PM- 1:50PM (some focus areas will be TBD)

**Textbook(s):** None

**Course Requirements:**

Grading is based on a student's ability to demonstrate practices relating to the course objectives.

Final letter grades are assigned based on the following criteria:

**A = 90-100% of the total points**

**B = 80-90% of the total points**

**C = 70-80% of the total points**

**D = 60-70% of the total points**

**F = <60% of the total points**

Practicum Participation (10 pts per class)

Weekly Discussion Assignments (30 pts)

Field Trip Participation (50 pts)

Final Project (200 pts)

**\*The instructor reserves the right to modify this syllabus and course requirements at any time.**

### **Tentative Course Outline:**

**The Horticulture practicum demonstrates the below activities and skills through daily management of operations and supervisory responsibility.**

- Soil Health and Composting
- Greenhouse operations and production
  - Seeding
  - Transplanting
  - Cloning
  - Media prep
  - Fertilization
  - Irrigation
- Herbaceous landscape maintenance and design
- Specialty crop production and harvest
- Hydroponic operations and production
- Aquaponic operations and production
- Industrial hemp operations and production
- Integrated Pest Management
- Sales and Marketing
- Travel to conferences, tours and other trips as class activities off the DCB campus is part of this course.

### **CTE Competency/Department Learning Outcome(s):**

- Employ industry-specific skills in preparation for workplace readiness
- Combine general education and vocational skills curriculum
  - Horticulture LO 1. Attain level of technical skills and practices used in Horticulture Industry in preparation for workplace readiness.
  - Horticulture LO 2. Develop human relation skills.
  - Horticulture LO 3. Demonstrate critical thinking and decision-making skills.

### **Relationship to Campus Focus:**

All aspects of horticulture develop an appreciation for nature and the materials that Mother Nature and technology have provided for us. Because of this we are able to make the world a more beautiful place.

**Classroom Policies:** Come prepared to class ready to actively work in the greenhouse.

### **Student Email Policy:**

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

### **Academic Integrity:**

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

**Disabilities or Special Needs:**

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

**Title IX:**

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.