

**Course Prefix/Number/Title:** ENVT 296 - Capstone: Environmental Technology

**Number of Credits:** 1 semester credit

**Course Description:**

A problem-based learning experience that focuses on a multi-disciplinary approach to solving real-world environmental problems.

**Pre-/Co-requisite:** Instructor approval and sophomore standing

**Course Objectives:**

- 1) To understand the scientific method of inquiry.
- 2) To gain the necessary background and experience to manage projects related to environmental issues.
- 3) To develop skills in database management.
- 4) To develop basic skills in scientific research and writing.

**Instructor:** Larry Brooks

**Office:** NSC 102

**Office Hours:** By appointment

**Phone:** (701) 228-5457

**Email:** [larry.brooks@dakotacollege.edu](mailto:larry.brooks@dakotacollege.edu)

**Lecture/Lab Schedule:** 3:00 - 3:50 PM W in NSC 128

**Textbook:** None

**Course Requirements:**

Course requirements consist of completing the following elements of a group project:

- 1) Project planning
- 2) Project implementation
- 3) Project evaluation and troubleshooting
- 4) Project conclusion and summary

Grading is based on a standard college curve where students earn a grade based upon

the percent of total possible points they obtain. Assignments leading up to and including the final group project will amount to 500 points.

Final letter grades are assigned based on the following criteria:

- A = 89.5-100% of the total points
- B = 79.5 - <89.5% of the total points
- C = 69.5 - <79.5% of the total points
- D = 59.5 - <69.5% of the total points
- F = <59.5% of the total points

### **Tentative Course Outline:**

- Weeks 1-2: Course logistics and explore potential projects
- Weeks 3-4: Define scope of project and assign individual duties/responsibilities
- Weeks 5-12: Complete individual and group tasks
- Weeks 13-15: Prepare final presentation
- Week 16: Participate in Honor Symposium

### **CTE Competency/Department Learning Outcomes (LO):**

CTE Competency #1: Employs industry-specific skills in preparation for workplace readiness.  
Department LO #3: Employs sound problem solving techniques

**Relationship to Campus Theme:** This course addresses the campus theme by working on environmental projects that assist natural resource agencies in performing management activities.

### **Classroom Policies**

- 1) Cell phones and related devices are prohibited in the classroom at all times. It is recommended that you do not bring your cell phone into the classroom or, at the very least, turn it off.
- 2) Food and beverages are permitted in accordance with classroom policy.
- 3) Be respectful of other students, technicians, instructors, and guests.

### **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 and 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.

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