

Course Prefix/Number/Title: RNG 225 Introduction to Natural Resources

Number of Credits: 3

Course Description: This course explores the history, ecological, and social foundations of the conservation movement in regard to natural resources at a state, national, and global levels. A wide range of perspectives is presented to help students develop a personal philosophy towards natural resources. Topics covered will include resource management of soil, water, forests, wetlands, coasts, wildlife, and food systems. Course also explores jobs in the Natural Resources world and offers opportunities to investigate career paths.

Pre-/Co-requisites: None.

Course Objectives: Students successfully completing this course will:

- 1.) Know and understand the three principles of sustainable resource management.
- 2.) Understand how land management can be used sustainably in local and global locations
- 3.) Identify management practices used to assess and improve local, regional, and global habitats

Instructor: Michelle Cauley

Office: Molberg 22

Office Hours: MW 10:00 – 12:00 (or by appointment)

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Lecture/Lab Schedule: M/W/F 2:00 – 2:50 PM

Textbook(s): Managing Our Natural Resources, 6th Edition., William G. Camp, PhD, Betty Heath-Camp, PhD, et. Al. Copyright 2016 ISBN: 978-1-285-83507-5

Course Requirements: This is an introductory course that allows for building a foundation in many learning areas. Students are graded on a variety of learning tasks including weekly assignments, quizzes, exams, and activities.

Assessment Tool:	Percentage of your Grade:		Grading Scale
Quizzes	20%		A = 90 – 100%
Assignments / Homework	30%		B = 80 – 89.9%
Unit Tests / Final Exam	30%		C = 70 – 79.9%
Professionalism	10%		D = 60 – 69.9%
Final Presentation	10%		F = 0 – 59.9%

Quizzes: There will be a series of 12 quizzes throughout the semester from various chapters. These will be open book/note quizzes designed to identify gaps in the lectures and learning. The two lowest scores will be dropped from your grade. For a score to be dropped, the quiz still must be attempted. No zeroes will be dropped if the quiz hasn't been attempted.

Assignments / Homework: There will be a combination of assigned readings, in-class worksheets, and traditional assignments. Homework must be submitted on time to receive full credit. Late homework will be accepted with a 5% deduction per day late.

Unit Tests and Final Exam: There will be three unit-based tests and one final exam throughout the semester. These will be available to be completed online through Blackboard. Unit Tests and your Final Exam will be open for one week (seven days) and you will have unlimited time to take them within the testing window.

Professionalism: Your grade will also be determined by your professionalism in this course. Attendance, timeliness in meeting deadlines, participation, engagement in learning, respectful actions, communication – these will all be factored into your final grade in this course. Just like in the real world, professionalism matters.

Tentative Course Outline:

Week	Over Arching Topics / Chapters	Reading Assignments	Tests / Quiz Schedule
August 25 – 29	Introduction, Review Syllabus, Our Natural Resources	Welcome Letter, Syllabus, Chapter 1	Syllabus Quiz
September 1-5	History of Conservation Concepts in Natural Resource Management	Chapter 2, 3	Chapter Quiz
September 8-12	Soil, Soil Erosion	Chapter 4, 5	Chapter Quiz
September 15 – 19	Controlling Erosion on the Farm, Nonfarm Erosion Control	Chapter 6, 7	Chapter Quiz
September 22 – 26	Rangeland Management, Landfills, Solid Waste Management, Wetland Preservation and Management	Chapter 8, 9, 10	Exam 1 (Ch. 1-10)
September 29-October 3	Land Use Planning Careers in Soil Management	Chapter 11, 12	Chapter Quiz
October 6 – 10	Water Pollution, Water Supply/Water Users, Water Purification,	Chapter 13, 14, 15	Chapter Quiz
October 13 – 17	Water Use Planning, Air/ Air Quality Careers in Water and Air Management	Chapter 16, 17, 18	Chapter Quiz
October 20 – 24	Our Forests, Woodland Management, Forest Enemies,	Chapter 19, 20, 21	Exam (11-21)
October 27 – 31	Fire, Careers in Forestry	Chapter 22, 23	Chapter Quiz

November 3 – 7	Fish and Wildlife, Game Management, Marine Fisheries Management	Chapter 24, 25, 26	Chapter Quiz
November 10 – 14	Freshwater Fisheries Management Careers in Fish and Wildlife	Chapter 27, 28	Chapter Quiz
November 17 – 21	Outdoor Recreation, Outdoor Safety, Careers in Outdoor Rec	Chapter 29, 30, 31	Exam 3 (Ch. 22-31)
November 24 – 28	Fossil Fuels, Alternative Energy Sources	Chapter 32, 33	Chapter Quiz
December 1 – 5	Metals and Minerals, Careers in Energies	Chapter 34, 35	Chapter Quiz
December 8 – 12	Advanced Concepts in Natural Resources	Chapter 36	Chapter Quiz Final Projects
December 15 - 19	Finish Activities / Review for Final	Finals Week!	Final Exam (Ch. 27 – 36)

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s):

1. Apply program specific skills.
 - a. Identify the importance of Natural Resources in the world's economy and industry.
 - b. Explore career paths in Natural Resources
 - c. Use technologies and tools related to career paths in Natural Resources

Relationship to Campus Focus: A greater understanding of the Earth, its resources, and our connection to the planet's systems. Through this class we will explore how decisions in our lives impact the planet's resources and their viability for the future.

Classroom Policies:

- Students are expected to be polite and respectful of the instructor, other students, and any guests in our class.
- Earbuds are expected to be out of ears, phones on silent. If you have a phone call, please take it outside of the classroom.
- Lecture outlines are available from the course shell. The outlines can be used to guide you in the understanding of material and are useful in notetaking.
- All assignments are due in a timely fashion. Each day an assignment is not turned in, 5% of the total score is lost.
- If a student is to miss an exam or quiz, it must be taken ahead of time for full credit.
- When in doubt – communicate! Email and office hours are the easiest ways to let your instructor know of any issues or emergencies that arise.

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 vital 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. Are you reading this section? No one ever really does – but if you are reading it, congrats. Send an email to your instructor with a picture of your favorite outdoor space – because you're taking a Natural Resources course and should have some place you enjoy spending outside. Send the email, get 10 extra credit points to be added to your first exam. Hurry, this offer only stands until September 1. 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.

AI Student Policy:

Unless otherwise indicated in the course syllabus, or in individual instructions for course assignments, or in the absence of the express consent of the course instructor, students are not allowed to utilize generative AI to help produce any of their academic work. Any violation of this policy will be considered an act of academic dishonesty as outlined within the Dakota College Code of Student Life.

RESPONSIBILITIES

Students	• Responsible for following the syllabus and assignment instructions regarding use of generative AI for all academic work. • Obtain permission of the instructor prior to the use of generative AI that is outside of the syllabus or assignment instructions. Provide appropriate rationale for how the use of generative AI will enhance the learning experience for the assignment. • In instances where generative AI is permissible, appropriately cite the generative AI program used and indicate where in the assignment it was used, in a brief submission statement.
Faculty	• Determine if the use of generative AI could enhance student learning in any assignment or project.

	• Clearly indicate in all course syllabi if generative AI is allowable for any academic work. • If allowable, give specific parameters for how and when generative AI may be used. • If a violation of generative AI for the individual course/syllabus is suspected, discuss the concern with the student. If violation is still suspected, inform the appropriate semester coordinator/program director.
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- **AI Tools in this Course:** Artificial Intelligence tools like ChatGPT and other copilots are **not** prohibited in the course. In fact, we will explore their uses (and potential issues) throughout the semester. Keep in mind that:
 - You must submit original work (not generated by AI) for all assessments in this course. That means citing if you use AI-generated text and how you apply it in your work.
 - Large language models (LLM) like ChatGPT have been known to supply inaccurate information and fake citations. Use your information literacy skills to corroborate AI information if you are using it in your research. Failure to cite your use of AI or fabricated information could result in your violation of the Academic Integrity Policy (see above).
 - Different assignments will allow different levels of AI use. Read directions and prompts carefully. AI is useful but does not take the place of the human elements of critical thinking and emotion.