

**SEWARD COUNTY COMMUNITY COLLEGE  
COURSE SYLLABUS**

**I. TITLE OF COURSE:** AG2913- Natural Resources Management

**II. COURSE DESCRIPTION: 3 credit hours  
3 credit hours of lecture and 0 credit hours of lab per week.**

Course will provide an introduction to the field of natural resource management. Renewable natural resources include soil, forests, water, and wildlife. Non-renewable natural resources include oil, metals, and minerals. This course utilizes an integrated approach of the field taking into account appropriate natural resource management techniques along with social processes. Instead of focusing on traditional disciplines (e.g. ecology or economics) in isolation, this course will take a broader, integrated approach to natural resource management that will explore the interactions of the elements within a system. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

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Pre-requisite: NA

**III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:**

The agricultural program at Seward County Community College/Area Technical School provides opportunities to further each student's knowledge and apply specific methods and techniques to the management and performance of agricultural operations.

**IV. TEXTBOOK AND MATERIALS:**

Natural Resource Conservation, Chiras, D., J. Reganold, and O. Owen, 10th edition.

**V. SCCC OUTCOMES**

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

I: Read with comprehension, be critical of what they read, and apply knowledge gained to real life

II: Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

III: Communicate their ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

IV: Demonstrate mathematical skills using a variety of techniques and technologies.

V: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

**VI. COURSE OUTCOMES:**

The student will be able to identify the general principles and components of natural resources management.

The student will be able to identify the different scientific disciplines of natural resources management and how they interact.

The student will be able to identify the scientific method and how to implement within the broader scope of natural resources management.

The student will be able to identify factors that influence natural resources management policy

at local, state, and federal levels.

## **VII. COURSE OUTLINE:**

1. The Scientific Method
2. History of Natural Resources Management Approaches
3. Soil Resources
4. Forest Resources
5. Rangeland Resources
6. Extinction
7. Overexploitation
8. Habitat Fragmentation and Destruction
9. Global Perspectives
10. Managing Wildlife
11. Managing Terrestrial Habitats
12. Novel Solutions and Future Research

## **VIII. INSTRUCTIONAL METHODS:**

Lecture and class discussion.  
Guest Speakers  
Handouts, mass media, etc.  
Presentations/Projects

## **IX. INSTRUCTIONAL AND RESOURCE MATERIALS:**

NRCS Natural Resources Management Video  
USDA Natural Resources Management Training Material  
Federal Laws and State Statutes/Laws pertaining to natural resources management

## **X. METHODS OF ASSESSMENT:**

Methods of assessing the general course outcomes and the specific course competencies include class participation, attendance, exam scores, homework assignments, and presentation assignments.

SCCC Outcomes:

Outcome #1 will be assessed and measured by class participation and comprehension of material read.

Outcome #2 will be assessed and measured by oral and written explanations for thoughts and ideas related to natural resources management through assignments and oral presentations.

Outcome #3 will be assessed and measured by the student's use of the internet and library searches on topics related to natural resources management.

Outcome #4 will be assessed and measured by the student's decision regarding interpretations from assigned readings.

Outcome #5 will be assessed and measured by the student's use of current technologies related to natural resources management.

## **XI. ADA STATEMENT:**

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobbie Academic building, room 149 A.

Syllabus Reviewed: 10/31/2018 19:14:49