

**NEOSHO COUNTY COMMUNITY COLLEGE
MASTER COURSE SYLLABUS**

COURSE IDENTIFICATION

Course Code/Number: BIOL 115

Course Title: Environmental Life Science

Division: Applied Science (AS) Liberal Arts (LA) Workforce Development (WD)
 Health Care (HC) Lifetime Learning (LL) Nursing Developmental

Credit Hour(s): Three (3)

Effective Date: Summer 2018

Assessment Goal Per Outcome: 70%

COURSE DESCRIPTION

This is an introductory biology class designed for non-majors to fulfill an introductory biology requirement. This is an interdisciplinary course that deals with environmental contributions to human life and the problems that are caused by humans' use of the natural world.

MINIMUM REQUIREMENTS/PREREQUISITES AND/OR COREQUISITES

Co requisite: BIOL 116 Environmental Science Laboratory

TEXTS

The official list of textbooks and materials for this course is found on *myNeosho*.

<http://www.neosho.edu/ProspectiveStudents/Registration/CourseSyllabi.aspx>

GENERAL EDUCATION OUTCOMES

1. Practice Responsible Citizenship through:
 - identifying rights and responsibilities of citizenship,
 - identifying how human values and perceptions affect and are affected by social diversity,

- identifying and interpreting artistic expression.
- 2. Live a healthy lifestyle (physical, intellectual, social) through:
 - listing factors associated with a healthy lifestyle and lifetime fitness,
 - identifying the importance of lifetime learning,
 - demonstrating self-discipline, respect for others, and the ability to work collaboratively as a team.
- 3. Communicate effectively through:
 - developing effective written communication skills,
 - developing effective oral communication and listening skills.
- 4. Think analytically through:
 - utilizing quantitative information in problem solving,
 - utilizing the principles of systematic inquiry,
 - utilizing various information resources including technology for research and data collection.

COURSE OUTCOMES/COMPETENCIES (as Required)

Upon successful completion of Environmental Science, the student should be able to:

1. Utilize scientific inquiry to make data-informed decisions.
2. Explain physical and biological processes that shape the earth.
3. Evaluate interconnections between organisms and the environment.
4. Examine human interactions and impacts on the environment and natural resources.
5. Discuss policies, ethics, and economics in environmental decision making.
6. Propose components of a sustainable future.

MINIMUM COURSE CONTENT

The following topics must be included in this course. Additional topics may also be included.

1. Environmental Relationships
2. Environmental Ethics
3. Risks and Costs: Elements of Decision Making
4. Interrelated Scientific Principles: Matter, Energy, and Environment
5. Interactions: Environment and Organisms
6. Kinds of Ecosystems and Communities
7. Population Principles
8. Human Population Issues
9. Energy and Civilization: Patterns of Consumption
10. Energy Sources
11. Nuclear Energy: Benefits and Risks
12. Human Impact on Resources and Ecosystems
13. Land-Use Planning

14. Soil and Its Uses
15. Agricultural Methods and Pest Management
16. Water Management
17. Air Quality Issues
18. Solid Waste Management and Disposal
19. Regulating Hazardous Materials
20. Environmental Policy and Decision Making

STUDENT REQUIREMENTS AND METHOD OF EVALUATION

This is a three-hour course consisting of three hours of lecture per week. Examinations will be announced at least one week prior to their administration. Quizzes may be announced or unannounced at the discretion of the instructor. In addition to examinations and quizzes, other evaluative measures may include notebooks, projects, research papers and other graded assignments.

GRADING

There are NO make-up Examinations in this course. The ONLY reason for missing a scheduled examination is an illness, which can be verified in writing by your PHYSICIAN, or a college event. If you absolutely must miss an examination, contact the Instructor BEFORE the scheduled examination. PLEASE NOTE that the Instructor has provided TWO ways for your convenience in making contact. If you have failed to take an examination at its scheduled time and have not made prior arrangements with the Instructor, you will receive a score of ZERO (0) for that examination.

Percent of Top Score Letter Grade

- 90- 100% A
- 80- 89.9% B
- 70- 79.9% C
- 60- 69.9% D
- < 60% F

ASSESSMENT OF STUDENT GAIN

The administrations of a comprehensive lecture final consisting of multiple choice, true/false, matching, essay, or other questions types.

Attendance Policy

1. NCCC values interactive learning which promotes student engagement in the learning process. To be actively engaged, the student must be present in the learning environment.
2. Unless students are participating in a school activity or are excused by the instructor, they are expected to attend class. If a student's absences exceed one-eighth of the total course duration,

(which equates to one hundred (100) minutes per credit hour in a face-to-face class) the instructor has the right, but is not required, to withdraw a student from the course. Once the student has been dropped for excessive absences, the registrar's office will send a letter to the student, stating that he or she has been dropped. A student may petition the chief academic officer for reinstatement by submitting a letter stating valid reasons for the absences within one week of the registrar's notification. If the student is reinstated into the class, the instructor and the registrar will be notified. Please refer to the Student Handbook/Academic Policies for more information

3. Absences that occur due to students participating in official college activities are excused except in those cases where outside bodies, such as the State Board of Nursing, have requirements for minimum class minutes for each student. Students who are excused will be given reasonable opportunity to make up any missed work or receive substitute assignments from the instructor and should not be penalized for the absence. Proper procedure should be followed in notifying faculty in advance of the student's planned participation in the event. Ultimately it is the student's responsibility to notify the instructor in advance of the planned absence.

ACADEMIC INTEGRITY

NCCC expects every student to demonstrate ethical behavior with regard to academic pursuits. Academic integrity in coursework is a specific requirement. Definitions, examples, and possible consequences for violations of Academic Integrity, as well as the appeals process, can be found in the College Catalog, Student Handbook, and/or Code of Student Conduct and Discipline.

ELECTRONIC DEVICE POLICY

Student cell phones and other personal electronic devices not being used for class activities must not be accessed during class times unless the instructor chooses to waive this policy.

NOTE

Information and statements in this document are subject to change at the discretion of NCCC. Students will be notified of changes and where to find the most current approved documents.

ACCOMMODATIONS

If you are a student with a disability who may need accommodation(s), in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, please notify the Dean of Student Services in the Student Services Office, Sanders Hall, 620-432-0304, on the Chanutte Campus, or the Dean for the Ottawa and Online Campuses, 785-248-2798, on the Ottawa Campus as soon as possible. You will need to bring your documentation for review in order to determine reasonable accommodations, and then we can assist you in arranging any necessary accommodations.

NON-DISCRIMINATION POLICY

The following link provides information related to the non-discrimination policy of NCCC, including persons with disabilities. Students are urged to review this policy.

<http://www.neosho.edu/Departments/NonDiscrimination.aspx>

SEXUAL MISCONDUCT POLICY (TITLE IX)

At NCCC, it is the responsibility of an instructor to help create a safe learning environment in the classroom, including both physical and virtual classrooms. All instructors are considered mandatory reporters at NCCC, therefore any information regarding sexual misconduct that is shared by a student in one-on-one meetings with the instructor must be reported to appropriate personnel at the College. Instructors will keep the information private to the greatest extent possible, but it is not confidential. Generally, climate surveys, classroom writing assignments or discussions, human subjects research, or events such as Take Back the Night events do not provide notice that must be reported to the Coordinator by employees, unless the reporting party clearly indicates that they wish a report to be made.

The following link provides information related to the sexual misconduct policy of NCCC, including resources, reporting options, and student rights. Students are urged to review this policy.

<http://www.neosho.edu/TitleIX.aspx>

COURSE NOTES