COURSE SYLLABUS

LAST REVIEW	Fall 2022
COURSE TITLE	Environmental Science Lab
COURSE NUMBER	BIOL-0132
DIVISION	Math, Science, Business & Technology
DEPARTMENT	Biology
CIP CODE	24.0101
CREDIT HOURS	2
CONTACT HOURS/WEEK	Lab: 4
PREREQUISITES	BIOL-0131
COREQUISITES	BIOL-0131
COURSE PLACEMENT	None

COURSE DESCRIPTION

This course introduces the interrelationships within and between the Biotic and Abiotic. The student will get hands on experience collecting, analyzing and interpreting environmental data.

KANSAS SYSTEMWIDE TRANSFER: BIO 1042

The learning outcomes and competencies detailed in this course outline or syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups project for this course as approved by the Kansas Board of Regents.

General Education Learning Outcome

- Basic Skills for Communication
- Mathematics
- Humanities
- Natural and Physical Sciences
 - Social and Behavioral Sciences

Institutional Learning Outcomes

- Communication
- Computation and Financial Literacy
- Critical Reasoning
- Technology and Information Literacy
- Community and Civic Responsibility
- Personal and Interpersonal Skills

TEXTBOOKS

http://kckccbookstore.com/

METHODS OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE

- I. Basic Principles of the earth's systems
- II. Population Dynamics
- III. Renewable and Nonrenewable Resources: Distribution, Use and Degradation
- IV. Environmental Quality
- V. Global Changes and Consequences

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- A. Be able to Utilize lab and/or field safety practices and proper instrumentation.
- B. Be able to Demonstrate data collection, interpretation, and reporting skills.
- C. Be able to acquaint the student with the methods of science, especially as they relate to environmental science. AND
- D. Encourage an understanding of the complexities and interrelationships living organism have with each other and with their environment.

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook

https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-ofconduct.pdf

College Catalog

https://www.kckcc.edu/academics/catalog/index.html

College Policies and Statements https://www.kckcc.edu/about/policies-statements/index.html

Accessibility and Accommodations <u>https://www.kckcc.edu/academics/resources/student-accessibility-support-</u> <u>services/index.html</u>.