ALLEN COMMUNITY COLLEGE
COMMON COURSE OUTLINE
BIO 106 ENVIRONMENTAL SCIENCE

Allen COMMUNITY COLLEGE
www.allencc.edu

I. COURSE INFORMATION

A. Biology106 Environmental Science
B. 5 credit hours
C. Christensen, Leege, and St. Juliana. *The Environment and You*. 3rd ed. Pearson, 2020
D. Prerequisites: Eligible for COL101 English Composition I or completion of COL101
E. KRSN: BIO 1040 Environmental Science with Lab

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.

II. COURSE DESCRIPTION

Environmental Science is an integrated lecture and laboratory course designed for non-biology majors seeking to learn basic ecological concepts. The course will survey multiple aspects and interconnections between the environment and humans. Several elements of environmental science will be emphasized throughout the course including: resource management, biodiversity, sustainability, and the role of socioeconomics in environmental management.

III. LEARNING OUTCOMES

A. Utilize scientific inquiry to make data-informed decisions
B. Explain physical and biological processes that shape the earth
C. Evaluate interconnections between organisms and the environment
D. Examine human interactions and impacts on the environment and natural resources
E. Discuss policies, ethics, and economics in environmental decision making
F. Propose components of a sustainable future
G. Utilize lab and/or field safety practices and proper instrumentation
H. Demonstrate data collection, interpretation, and reporting skills

IV. MAJOR CONTENT AREAS

A. Scientific method
B. Principles of life and physical science
C. Evolution
D. Ecology
E. Biodiversity
F. Natural resources
G. Energy
H. Waste management
I. Pollution
J. Environmental policy
K. Environmental ethics
L. Environmental economics

V. ASSIGNMENTS (may include but are not limited to)

A. Assignments
B. Laboratory activities
C. Quizzes and exams

VI. EVALUATION METHODS (may include but are not limited to)

A. Lecture and lab exams
B. Projects and lab exercises
C. Assignments

D. Quizzes and exams