DAKOTA COLLEGE AT BOTTINEAU

COURSE SYLLABUS

Course Prefix/Number/Title: Biol 124/ Environmental Science

Number of Credits: 4

Course Description: An introductory course for mon-life science major. A study of the effects of man and his technology on the environment.

Pre-/Co-requisites: none

Course Objectives: Students successfully completing the course will demonstrate

1) Knowledge and understanding of the scientific principles of environmental issues
2) The identification and explain the major environmental issues of the day
3) How environmental factors influence society and how society impacts the environment
4) How and why society address environmental issues

Instructor: Angela Bartholomay

Office: NSC 111

Office Hours: MW 9:00-10:00am, MTF 1:00-2:00pm or by arrangement

Phone: 701-228-5471

Email: angela.bartholomay@dakotacollege.edu

Lecture/Lab Schedule: TBD

Textbook(s): McKinney, M., R.M. Schoch, and L. Yonavak. 2013; Environmental Science; Systems and Solutions. Jones and Bartlett Publishers **6th Edition**

Lecture outlines are available from the course shell. The outlines can be used to guide you in the understanding of the material and assist in note taking. Be prepared and have outlines ready for class.

Assessment methods- measurement of the expected general education outcomes will be achieved through exams, quizzes, laboratory exercises and a final project.

Exams- There will be 4 exams during the course of the semester. All exams will be worth 100 points. If you are going to miss an exam, you are expected to make it up ahead of time. Make up exams will be different and will be worth 70%, which must be made up within a week following the original exam.

Quizzes- Each quiz consists of 10 questions to test your understanding of the material presented that week. You will be given unlimited time to complete each quiz. Weekly quizzes will due the following Monday.

Laboratory- The laboratory portion of the course provides an opportunity to integrate lecture concepts with observable activities.

Grading;	4- one hour exams	100 pts. X 4	400 pts.
	12 labs	20 pts X 12	240 pts
	16 weekly quizzes	10 pts X 16	160 pts
	Final project		100
	Total points possible		**900 pts.**

Grading Scale:	90%-100%	A
	80%-89%	B
	70%-79%	C
	60%-69%	D
	Below 59%	F

Tentative Course Outline:

Topic	Reading Assignment
Week 1- Introduction and Overview	Introduction & Chapter #1
Week 2- Human Population Growth	Chapter #2
Week 3- The Biosphere	Chapter #3
Week 4- Distribution of Life, Earth Dynamics	Chapter #4,5
Exam Chapters 1-5	
Week 5- People and Natural Resources	Chapter #6,7
Week 6- Fundamentals of energy, Renewable/Alternative Energy	Chapter #8
Week 7- Renewable/ Alternate Energy	Chapter #9
Week 8- Water Resources, Mineral Resources	Chapter #9
Week 9: Mineral Resources	Chapter #10
Exam Chapters 6-10	
Week 10: Conserving Biological Resources	Chapter #11
Week 11: Land Resources and Management	Chapter #12
Week 12: Food and Soil Resources	Chapter #13
Exam Chapters #11-13	
Week 13: Principles of Pollution	Chapter #14
Week 14: Water Pollution	Chapter #15
Week 15: Global Air Pollution	Chapter #16-17
Week 16: Waste Management, Environmental Economy	Chapter #18-19
Final Exam Chapters #14-19	

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): #1 Identifies the interrelationships between humans and their environment

Relationship to Campus Focus: A greater understanding of the Earth, Earth's resources and its companions in the solar system will lead to a greater respect for the environment. Components of technology will lead to this understanding. Students will explore career options for their future**.**

Classroom Policies; All work must be done in a timely fashion. All assignments are open and have due Dates. If you miss a deadline for a quiz or exam, and wish to make it up let me know so I can Open it for you, missed quizzes and exams will be worth 70%. All make-up work must be completed within one week.

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 important 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. 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.