DAKOTA COLLEGE AT BOTTINEAU

COURSE SYLLABUS

Course Prefix/Number/Title: BIOL 115 – Concepts of Anatomy and Physiology- Online

Number of Credits: 4 semester credits

Course Description: A one semester course that integrates the structure and function of the human body. Course includes a lab component.

Pre-/Co-requisites: None

Course Objectives:

1) To learn and retain information essential to a broad knowledge of human anatomy and Physiology.
2) To understand and utilize the scientific methods of inquiry.
3) To practice sound, safe, and sensible laboratory techniques.
4) To apply scientific information and principles to everyday life.
5) To recognize the interrelationship among the sciences, technology and society.

Instructor: Angie Bartholomay
Office Hours: By appointment
Email: angela.bartholomay@dakotacollege.edu

Lecture/Lab Schedule:

Lecture TBD
Lab- TBD

Textbook(s): Understanding Human Anatomy and Physiology, S. Longenbaker, 10th Edition. No lab manual is required.
Course Requirements: The lecture component of this course will consist of approximately 700 pts. The 700 points will come from 10-12 quizzes worth 10 points each; 5 exams worth 100 points each and a final exam for 100 points. There will not be make-up for missed exams unless prior arrangements have been made with the instructor. Grading scale is as follows:
A= 90-100%
B= 80-89.5%
C= 70-79.5%
D=60-69.5%
F= <59.5%
Exams: There will be five regular exams. Exams may contain short answer, multiple choice, Completion and problems. There will be no make-ups for exams unless prior approval is given!
Homework: Throughout the semester problems will be assigned in order for you to better understand the concepts and math involved. This homework will not be graded, however you will be able touse these assignments on quizzes. The problems assigned will be similar to those which will be on the exams.
Quizzes: will be used to check for understanding. Make-up quizzes are not allowed.

Laboratory: The laboratory portion of the course provides an opportunity to integrate lecture concepts with observable activities and is critical to understanding chemical concepts. Attendance in lab is mandatory.
Early Warn Attendance Policy will be followed

Tentative Course Outline:

Week	Chapter and Reading Assignment	Assessments
Week 1	Chapter #1 Organization of the Body	Anatomical position quiz
Week 2	Chapter #2 Chemistry of Life	
Week 3	Chapter #3 Cell Structure & Function	Cell quiz
Week 4	Chapter #4 Body tissues and membranes	Exam #1- Chapters #1-3
Week 5	Chapter #5 Integumentary system	Skeletal System Quizes
Week 6	Chapter #6 Skeletal System	Exam #2Chapter #4-6
Week 7	Chapter #7 The Muscular System	Muscle Quiz
Week 8 Week 9	Chapter #8 The Nervous System Chapter #9 The Sensory System	Brain Quiz Eye Quiz
Week 10	Chapter #10 The Endocrine System	
Week 11	Chapter #11 Blood	Exam #3 Chapters 7-10
Week 12	Chapter #12 The Circulatory System	Heart Quiz
Week 13	Chapter #13 The Lymphatic System Chapter #14 The Respiratory System	Exam #4 Chapters #11-12
Week 14	Chapter #15 The Digestive System	Respiratory System Quiz
Week 15	Chapter #16 The Urinary System	Digestive System Quiz
Week 16	Chapter #17 The Reproductive System	Urinary System Quiz
		Exam #4 Chapters #12-18

Lab Schedule

Week	Topic	Assignement
Week 1	Use of Light Microscope	Scientific Method quiz
Week 2	Cell lab	Microscope quiz
	Tissues Lab	Tissue quiz
Week 3	Oranization of the Body	Fetal Pig Dissection
Week 6	Skeletal System and Bones	Skeleton lsn
Week 7	Muscular System	Labelling Muscles Lab
Week 8	Nervous system	Brain Dissection
Week 9	Sensory System	Eye dissection and Quiz
Week 10	Blood	Blood Typing Lab
Week 11	Cardiovascular system	Heart dissection and quiz
Week 12	Respiratory System	Respiratory System Lab
Week 13	Digestive System	Digestive System ab
Week 14	No Lab	No Lab
Week 15	Excretory system	Kidney dissection
Week 16	No Lab	

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): This course meets the General Education Competency #1; Identifies the interrelationships between humans and their environment.
Learning Outcome 3; Applies scientific information in everyday life

Relationship to Campus Focus: This course addresses the campus theme by incorporating the latest diagnostic procedures, treatments, and other technologies that are used to identify and treat human diseases and disorders.

Classroom Policies:
Please turn in work on a timely fashion. Assignments/exams/labs are due at midnight of the week following the posted work. Once midterm grades are posted, no make-up work will be accepted from the 1st half of the semester. Any hands on lab you need to submit a photo of you doing the lab to receive full credit.

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.

AI Student Policy:
Unless otherwise indicated in the course syllabus, or in individual instructions for course assignments, or in the absence of the express consent of the course instructor, students are not allowed to utilize generative AI to help produce any of their academic work. Any violation of this policy will be considered an act of academic dishonesty as outlined within the Dakota College Code of Student Life.
RESPONSIBILITIES

Students	• Responsible to follow the syllabus and assignment instructions regarding use of generative AI for all academic work. • Obtain permission of the instructor prior to the use of generative AI that is outside of the syllabus or assignment instructions. Provide appropriate rationale for how the use

	of generative AI will enhance the learning experience for the assignment. • In instances where generative AI is permissible, appropriately cite the generative AI program used and indicate where in the assignment it was used, in a brief submission statement.
Faculty	• Determine if the use of generative AI could enhance student learning in any assignment of project. • Clearly indicate in all course syllabi if generative AI is allowable for any academic work. • If allowable, give specific parameters for how and when generative AI may be used. • If a violation of generative AI for the individual course/syllabus is suspected, discuss the concern with the student. If violation is still suspected, inform the appropriate semester coordinator/program director.