



DOANE
UNIVERSITY

SYLLABUS

Course Title	Introductory Biology
Course Number	BIO 101
Number of Credits	4 semester credits
Course Dates	10/15/18 - 12/15/18
Instructor	Staff
Email Address	josef.kren@doane.edu
Office Hours/Availability	5:00-5:55 pm Monday-Thursday
Phone Number	Email is preferred, responding within 12 hours.
Textbook Information: (e.g. title, edition, publisher, ISBN)	N/A All course materials are provided on DVD.
Additional Course Materials	RECOMMENDED (see above). Raven Peter, George Johnson, Susan Singer, and Jonathan Losos. Biology. 11th Edition. 2017 McGraw-Hill. ISBN 9780078936494.
Course Description	An introductory course in biology utilizing the scientific method in the study of molecular, cellular, organismal, taxonomic, genetic, ecological and evolutionary aspects of life. A weekly laboratory experience emphasizes observation and problem solving.

Program Outcomes	<p>Foundational Area of Knowledge: Scientific Perspective</p> <p>Students will work to:</p> <ul style="list-style-type: none"> • employ methods of science for inquiry in a scientific discipline • develop their scientific literacy and ability to critically evaluate scientific information • consider the ethical and social implications of scientific study and use of scientific findings
Course Learning Outcomes/Objectives	<ol style="list-style-type: none"> 1. Understand the philosophy of biology as a daily life science. 2. Interpret experiences from the perspectives of biomedical impact on every individual. 3. Outline the impact of biology on human society and the world.
Technology Requirements	https://www.doane.edu/faq/minimum-computer-requirements

Course Schedule

Week or Module	Topic	Content	Assessments Matched to Learning Outcomes	Due Date & time
1	Overview of Biology as the science studying living systems	Topic 1 on DVD	Class discussion	Read before the class

2	Chemistry of life. Overview of anatomy and physiology of a cell, the basic unit of life.	Topic 2 on DVD	Class discussion	Read before the class
3	Introduction to molecular biology. DNA, the molecule of life.	Topic 3 on DVD	Class discussion	Read before the class
4	Introduction to genetics, genetic engineering and human genome	Topic 4 on DVD	Class discussion Mid-term paper	Read before the class
5	Biodiversity. Why we have so many different species around?	Topic 5 on DVD	Class discussion	Read before the class
6	Introduction to ecology	Topic 6 on DVD	Class discussion	Read before the class
7	Integrating principles of human physiology.	Topic 7 on DVD	Class discussion	Read before the class

8	Social and ethical issues of current biological research.	Topic 8 on DVD	Class discussion Final paper	Read before the class
---	--	----------------	---------------------------------	-----------------------

Grading Assessments

Type of Assessment	Points	Total possible points
Class discussion	10 points each class	80
Midterm paper		50
Final paper		75

Grade Scale

A+ = 97-100% A = 94-96% A- = 90-93% B+ = 87-89% B = 84-86% B- = 80-83%
 C+ = 77-79% C = 74-76% C- = 70-73% D+ = 67-69% D = 64-66% D- = 60-63%
 F= 59% or below

Participation Policy	A student is expected to be prompt and regularly attend on-ground classes in their entirety. Participation in class discussions is an integral part of your grade - my classes are heavily discussion based.
Study Time	Expectation of the amount of time the course requires students to spend preparing and completing assignments. Typically, students could expect to spend approximately 12 hours a week preparing for and actively participating in this 8-week 3 credit hour course. This actual time for study varies depending on students' backgrounds.

Late Work	5 % from total points will be deducted each day for late assignments
Submitting Assignments	In class (preferred) or via e-mail.
Communication Policy including Assignment Feedback	Responding to your e-mail within 24 hours, papers will be graded for the next class
Academic Integrity Policy	New Academic Integrity Policy to be released AUTM 2018
Academic Support	Please contact academicsupport@doane.edu https://www.doane.edu/graduate-and-adult/academic-support
Disability Services	https://www.doane.edu/disability-services Doane University supports reasonable accommodations to allow participation by individuals with disabilities. Any request for accommodation must be initiated by the student as soon as possible. Each student receiving accommodations is responsible for his or her educational and personal needs while enrolled at Doane University. Please contact Chris Brady at chris.brady@doane.edu or 402-467-9031 for assistance.
Military Services	https://www.doane.edu/graduate-and-adult/military
Anti-Harassment Policy	http://catalog.doane.edu/content.php?catoid=5&navoid=452
Grade Appeal Process	http://catalog.doane.edu/content.php?catoid=5&navoid=238
Credit Hour Definition	Doane University follows the federal guideline defining a credit hour as one hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks (one semester), or the equivalent amount of work over a different time period (e.g., an 8-week term). This definition applies to courses regardless of delivery format, and thus includes in-person, online, and hybrid courses (combination of in-person and online). It also applies to internship, laboratory, performance, practicum, research, student teaching, and studio courses, among other contexts.

Syllabus Changes	Circumstances may occur which require adjustments to the syllabus. Changes will be made public at the earliest possible time.
-------------------------	--