



## SYLLABUS

<b>Course Title</b>	Introductory Biology
<b>Course Number</b>	BIO 101
<b>Number of Credits</b>	4 semester credits
<b>Course Dates</b>	8/17/20 - 10/12/20
<b>Instructor</b>	Staff
<b>Email Address</b>	josef.kren@doane.edu
<b>Office Hours/Availability</b>	5:00-5:55 pm Monday-Thursday
<b>Phone Number</b>	Email is preferred, responding within 12 hours.
<b>Textbook Information: (e.g. title, edition, publisher, ISBN)</b>	N/A  All course materials are provided in Canvas. <b>Textbook is NOT required.</b>
<b>Additional Course Materials</b>	RECOMMENDED (see above). Raven Peter, George Johnson, Susan Singer, and Jonathan Losos. Biology. 11th Edition. 2017 McGraw-Hill. ISBN 9780078936494.
<b>Course Description</b>	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.
<b>Foundational Area of Knowledge</b>	<p>Foundational Area of Knowledge: Scientific Perspective</p> <p>Students will work to:</p> <ul style="list-style-type: none"> <li>• employ methods of science for inquiry in a scientific discipline</li> <li>• develop their scientific literacy and ability to critically evaluate scientific information</li> <li>• consider the ethical and social implications of scientific study and use of scientific findings</li> </ul>
<b>Course Learning Outcomes/Objectives</b>	<ol style="list-style-type: none"> <li>1. Understand the philosophy of biology as a daily life science.</li> <li>2. Interpret experiences from the perspectives of biomedical impact on every individual.</li> <li>3. Outline the impact of biology on human society and the world.</li> </ol>
<b>Course Prerequisites</b>	N/A
<b>Instructional Details</b>	(Details on the instructional approaches to be used in the course. Example: <i>This course will use a combination of lecture, large class discussion, and small group conversations for the development of course topics and themes.</i> )
<b>Technology Requirements</b>	<a href="https://www.doane.edu/faq/minimum-computer-requirements">https://www.doane.edu/faq/minimum-computer-requirements</a>

## Course Schedule

Week or Module	Topic	Content	Assessments Matched to Learning Outcomes	Due Date & time

1	<b>Overview of Biology as the science studying living systems</b>	Topic 1 in Canvas	Class discussion	Read before the class
2	<b>Chemistry of life. Overview of anatomy and physiology of a cell, the basic unit of life.</b>	Topic 2 in Canvas	Class discussion	Read before the class
3	<b>Introduction to molecular biology. DNA, the molecule of life.</b>	Topic 3 in Canvas	Class discussion	Read before the class
4	<b>Introduction to genetics, genetic engineering and human genome</b>	Topic 4 in Canvas	Class discussion Mid-term paper	Read before the class
5	<b>Biodiversity. Why do we have so many different species around?</b>	Topic 5 in Canvas	Class discussion	Read before the class
6	<b>Introduction to ecology</b>	Topic 6 in Canvas	Class discussion	Read before the class

7	<b>Integrating principles of human physiology.</b>	Topic 7 in Canvas	Class discussion	Read before the class
8	<b>Social and ethical issues of current biological research.</b>	Topic 8 in Canvas	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

<b>Participation Policy</b>	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.
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<b>Study Time</b>	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.
<b>Late Work</b>	5 % from total points will be deducted each day for late assignments
<b>Submitting Assignments</b>	In class (preferred) or via e-mail.
<b>Communication Policy including Assignment Feedback</b>	Responding to your e-mail within 24 hours, papers will be graded for the next class
<b>Academic Integrity Policy</b>	<p>Doane University expects and requires all its students to act with honesty and integrity and respect the rights of others in carrying out all academic assignments. Academic dishonesty, the act of knowingly and willingly attempting or assisting others to gain academic success by dishonest means, is defined in four categories:</p> <ol style="list-style-type: none"> <li>1. Cheating - "Intentionally using or attempting to use unauthorized information or study aids in an academic exercise."</li> <li>2. Fabrication - "Intentional and unauthorized falsification of invention or any information or citation in an academic exercise."</li> <li>3. Facilitating Academic Dishonesty - "Intentionally or knowingly helping or attempting to help another to commit an act of dishonesty," and/or coercing others to do the same.</li> <li>4. Plagiarism - "Intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise," in both oral and written projects.</li> </ol> <p><i>Gehring, D., Nuss, E.M., &amp; Pavela, G. (1986). Issues and perspectives on academic integrity. Columbus, OH: National Association of Student Personnel Administrators</i></p> <p>For more information on the sanctions for academic dishonesty, please visit the website:  <a href="http://catalog.doane.edu/content.php?catoid=18&amp;navoid=1448#Academic_Dishonesty">http://catalog.doane.edu/content.php?catoid=18&amp;navoid=1448#Academic_Dishonesty</a> </p>

<b>Academic Support</b>	Please contact academicsupport@doane.edu <a href="https://www.doane.edu/graduate-and-adult/academic-support">https://www.doane.edu/graduate-and-adult/academic-support</a>
<b>Disability Services</b>	<a href="https://www.doane.edu/disability-services">https://www.doane.edu/disability-services</a> 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.
<b>Military Services</b>	<a href="https://www.doane.edu/graduate-and-adult/military">https://www.doane.edu/graduate-and-adult/military</a>
<b>Anti-Harassment Policy</b>	<a href="http://catalog.doane.edu/content.php?catoid=5&amp;navoid=452">http://catalog.doane.edu/content.php?catoid=5&amp;navoid=452</a>
<b>Grade Appeal Process</b>	<a href="http://catalog.doane.edu/content.php?catoid=5&amp;navoid=238">http://catalog.doane.edu/content.php?catoid=5&amp;navoid=238</a>
<b>Credit Hour Definition</b>	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.
<b>Syllabus Changes</b>	Circumstances may occur which require adjustments to the syllabus. Changes will be made public at the earliest possible time.
<b>Doane Syllabus Addendum</b>	Each student is responsible for being aware of the policies, resources, and expectations as specified in the Doane Syllabus Addendum located at <a href="https://www.doane.edu/Syllabus">https://www.doane.edu/Syllabus</a> .

