



Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: Spring 2025

Year: 2025

Course Prefix: BIOL

Course and Section #: 1610-X05

Course Title: College Biology I BB

Credits: 4

Course Description

Gives a broad exposure to many aspects of the life sciences. Covers topics of biochemistry, energetics, cell structure and function, genetics, and evolution.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: Lavon Tonga

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Student Learning Outcomes

1	Appropriately use key terms and concepts currently used in the study of biology.
2	Describe cell structure and function, energetics, and genetics.
3	Discuss natural selection and the scientific evidence of evolution.
4	Discuss the relevance of biology to society.
5	Apply the process of science by generating hypotheses, critically evaluating data, and solving problems.

Course Materials and Texts

Required Textbook: *(This is embedded in the course for free access as well)*

Biology 2e by Clark, M.A, Choi, J., & Douglas, M. OpenStax. Rice University. Print ISBN-13: 978-1947172517

Available for free online at: [OpenStax Biology 2e](#)

Course Requirements

Course Assignments, Assessments, and Grading Policy

Course Mode:

Asynchronous Online (Does not meet a specified time but there are regular deadlines throughout the semester).

ATTENTION: Many students taking this course do so because it is a prerequisite for a health professional program to which they wish to apply in the future. Many of these programs, both at UVU and at other institutions, (e.g. medical schools, dental schools and nursing programs) will NOT accept an online version of this course as a prerequisite. If you are taking this course as a prerequisite, it is the student's responsibility to check with programs for which they are applying and ask if these programs accept online courses as prerequisites. If they do not, please find a delivery option that is acceptable for these programs. COVID-19 may or may not be an acceptable reason for taking an online delivery of this course. Again, please check with programs for which you are applying and ask if they accept online courses as prerequisites.

Description of how course works:

Canvas is where course content, grades, and communications will reside for this course. The course's Canvas site is designed to help students succeed! This course consists of 4 units each containing either 4 or 5 modules. As with face to face courses, there are deadlines throughout the semester for assignments, quizzes and exams. **Missing assignments receive a grade of a zero.** This means a student cannot wait until the last few weeks of the semester and still turn in all of the work for the course.

Each unit will contain tools designed to aid students in understanding course information. PDF versions of lecture slides will be provided in two forms. First, a PDF simply containing the same slides from the video lectures. Second, a PDF providing a note taking section next to a smaller version of each of the lecture slides. Either may be printed if desired. Students are encouraged to use the lecture materials as a guide while taking notes.

A study guide with instructions (Word documents) will also be available for download at the start of each unit. Students are usually more successful on exams when they fill out the exam review throughout the unit and review it before the exam, instead of waiting until after the unit is complete to start the exam review sheet right before the exam.

Each of the modules will contain 1 reading quiz, and a number of video lectures with accompanying video quizzes. The reading quizzes are to be completed after reading the assigned chapters/pages for each module, but before watching the video lectures for each module. In this way, students have the background they need to more fully understand the information contained in the video lectures. The video quizzes are meant to be completed after watching each short video lecture.

Canvas contains a discussion board titled “Raise Your Hand”. This discussion board provides an opportunity for questions about course content. Feel free to both post questions and answer questions from other students in this discussion board. I will check this discussion periodically. This is one way to earn participation points. Discussions will be opportunities to explore topics together. Posts to the discussion should add significantly to the conversation and support your point of view. *Comments that do not add significantly to a discussion will receive **no credit**.* It is okay to disagree in a discussion. In fact, much learning happens when we disagree. However, we need to be respectful and keep our online classroom a safe place to learn.

For this **four (4) credit-hour** course students should expect to spend up to **12+ hours a week** completing course activities for a 15 week semester.

For this **four (4) credit-hour** course students should expect to spend up to **24+ hours a week** completing course activities for a summer block semester.

Instructor Responsibilities:

- *Respond to emails within **TWO business days**. If multiple emails are received regarding the same question or concern, they may be responded to with an announcement to the entire class.*
- ***No communication will be responded to on the weekends***
- *Provide timely, meaningful and constructive feedback on assignments.*
- *Facilitate an effective learning experience.*
- *Refer students to appropriate services for issues that are non-course content specific. For instance, technical issue, writing labs, accessibility services, etc.*
- *Mentor students through the course.*

Student Responsibilities:

- *Start class the first week of the term.*
- ***Be accountable by setting aside regular time each week to complete course activities and assignments on time as noted per the due dates.***
- *Learn how to use Canvas including communication tools (e.g. discussion, Canvas inbox, etc.). If you have technology-related problems contact the [Service Desk](#).*
- *Contact your instructor as early as possible if an emergency arises. Do **NOT** wait until the last minute to ask for an extension.*
- *Students may be expected to seek out information on web sites or other books to further their understanding of the material covered in class.*

- It is expected that students are able to read at a college level. If you are unable to read at this level of proficiency, it will be difficult to succeed due to the information load.
- *Abide by ethical standards. Your work must be your own.*

Students should consult the UVU Student Code of Conduct for a complete explanation on Academic Dishonesty: [UVU Student Conduct](#) Students who commit any form of academic dishonesty on an assignment will be reported. They may be assigned a grade as severe as a “0” or “E” for this assignment by the instructor, or will be informed by the instructor that the Dean of Students will be contacted to coordinate a more severe penalty for the offense (e.g. an “E” for the course). In the latter case, a centralized record of the student’s academic dishonesty incident will be maintained within the Dean of Students Office so that, if future incidents are reported, patterns of behavior can be identified and sanctioned more severely. Sanctions that may be imposed include disenrollment from the course, suspension from campus, expulsion from the institute, and other administrative actions.

The following are some forms of cheating:

- **Taking screenshots or other means of copying exams, quizzes, or other course material to give to or sell to other students**
- **Disclosing or soliciting examination questions to those who may have been absent from an exam or have not taken it yet.**
- Turning in the same assignment for lecture and lab or 2 different courses. (1610 and 1615 are two different courses).
- Copying a fellow student’s work or copying a previous student’s work.
- Any form of communication with a fellow student or other individual during a test.
- Communicating via cell phones with other people during a test.
- Plagiarism (copying the entirety or partial phrases from books, websites, or other sources).
- Do not copy and paste answers you google or find on the internet into your assignments. This is plagiarism.
- Any two students handing in assignments with word-for-word responses.

Please, preserve your integrity and do not cheat, and also prevent any temptation of cheating.

Grading and Late Work Statement

Grading Scale:

Grading: the following are grade letters earned based on cutoffs by percentage

A: 94%, A-: 90, B+: 86, B: 83, B-: 80, C+: 76, C: 73, C-: 70, D+: 66, D: 63, D-: 60, E: below 60

Grading Scheme:

Assignment Category	% of Total Grade
Module Assignments	15%

Reading Quizzes (<i>Drop lowest 5</i>)	5%
Video Quizzes	10%
Other Assignments	5%
Unit Exams (drop lowest exam)	50%
Final Exam (not dropped)	15%
Total	100%

* The "Other Assignments" Category includes the Biology Concept Inventory (Pre-Semester), the Biology Concept Inventory (Post-Semester), Syllabus Quiz, 5 Pre-exam Academic Honesty Agreements & Discussion Assignments

Late Work Statement:

The reading and video quizzes can be submitted late on canvas for up to 50% of the available points with 15% deduction per day late. Any missed exam or any other assignments will result in a grade of a zero. **Exams cannot be completed late.**

Assignment and Assessment Descriptions

Assignments and Assessments:

EXAMS: There will be four exams during the semester plus a comprehensive/cumulative final exam. Exams will be composed of multiple choice, true-false, matching, short answer/essay and interpretation of figures questions. Exams will be posted on canvas, **they will be timed** and will be open-study guide. In order to take the exam, you will need to submit your study-guide and complete an "Academic Honesty Agreement" in order for the exam to open. You will only have **1 attempt** to take the exam. **No makeup exams will be given.** A missed exam will earn a grade of zero.

STUDY GUIDES: Before each exam, you will need to submit your study guide. You will be awarded points based on how much of the study guide is filled out. You may work with your group members to fill out the study guide but it is **HIGHLY** suggested that you each fill out what you know... then combine your study guides to fill in any gaps. If you decide not to fill out a study guide, you will need to upload a blank one to unlock your exam, however, no points will be awarded.

READING QUIZZES: Reading quizzes will be composed of questions related to the reading for each module. There are not time limits on the quizzes and you will have three attempts to complete each quiz to account for technical difficulties. The reading quizzes can be submitted **LATE** on canvas for up to 50% of the available points. Any missed quiz will result in a grade of a zero.

VIDEO QUIZZES: Video quizzes will be composed of questions related to the videos for each module. There are not time limits on the quizzes and you will have three attempts to complete each quiz

to account for technical difficulties. The video quizzes can be submitted LATE on canvas for up to 50% of the available points. Any missed quiz will result in a grade of a zero.

MODULE ASSIGNMENTS: Module assignments are culminating assignments for each chapter. You may work together in your groups on these assignments or complete them individually. You only have 1 attempt at submitting them.

SCIENCE IN THE NEWS ASSIGNMENT: In order to learn how to read and interpret scientific findings reported in general news media the class will contribute to a discussion board on the topic. Each student will be responsible for completing one entry and commenting on three of their fellow students' entries. More information on this assignment will be given in the assignment within the course Canvas page. Respectful posts are required. The instructor retains the right to moderate posts and to remove posts that could be considered harmful or disrespectful and such posts will not receive credit.

BIOLOGY CONCEPT INVENTORY SURVEYS: In order to evaluate learning gains, each student will be responsible for completing two biology concept inventories on Canvas. The due dates are listed on canvas. These assignments are not graded by correct answers but rather by completion. You will get full points as long as you complete them by their respective due dates. After you have completed it, you will automatically be assigned a grade in canvas that will most likely be lower than full points. The instructor will change these scores to reflect full points for the assignment. Please do not contact the instructor regarding this.

DISCUSSIONS: Discussions will be opportunities to explore topics together. Posts to the discussion should add significantly to the conversation and support your point of view. *Comments that do not add significantly to a discussion will receive **no credit**.* It is okay to disagree in a discussion. In fact much learning happens when we disagree. However we need to be respectful and keep our online classroom a safe place to learn.

Deadlines and further instructions are posted for each Discussion assignment.

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Required or Recommended Reading Assignments

Week	Dates	Assignments	Other Dates
1	Jan 6 - Jan 12	[U1] Chapters 1 & Chapter 2	
2	Jan 13 - Jan 19	[U1] Chapters 3: Proteins, Nucleic Acids and Carbs	
3	Jan 20 - Jan 26	[U1] Chapter 3: Lipids & Chapter 5	Jan 20 - MLK Holiday
4	Jan 27 - Feb 2	[U1] Exam 1- Feb 2nd & [U2] Chapter 4: Cell Structure	Jan 27 - last day to add/drop; Deadline to opt out of Wolverine Book Access Fee
5	Feb 3 - Feb 9	[U2] Chapter 9 & 4.6 & [U2] Chapter 6	*SuperBowl Sunday

6	Feb 10 - Feb 16	[U2] Chapter 7	
7	Feb 17 -- Feb 23	[U2] Chapter 8	Feb 17 - Presidents' Day t
8	Feb 24 - Mar 2	[U2] Exam 2 March 2	
9	Mar 3 - Mar 9	[U3] Chapters 12-13	
10	Mar 10 - Mar 16	SPRING BREAK!!	
11	Mar 17 - Mar 23	[U3] Chapter 14 & [U3] Exam 3 March 23rd	
12	Mar 24 - Mar 30	[U4] Chapter 15	
13	Mar 31 - Apr 6	[U4] Chapter 16 & Chapter 17	
14	Apr 7 - Apr 13	[U4] Chapter 18 and Chapter 19	
15	Apr 14 - Apr 20	[U4] - Ch 19 and [U4] Exam 4 Apr 22	*Apr 22 - last day of classes
16	Apr 24 - Apr 30	Finals Week*	
The Comprehensive Final Exam (Units 1-4) will be on canvas during Finals Week			

General Description of the Subject Matter of Each Lecture or Discussion

Biochemistry

- Identify methyl, hydroxyl, carbonyl, carboxyl, amino, sulfhydryl, and phosphate functional groups.
- Distinguish between dehydration and hydrolysis reactions.

Water Biochemistry

- Draw the structure of several water molecules that are interacting with other molecules such as NaCl and indicate 1) the electron distributions in each covalent bond, 2) the partial charges on each atom, 3) each hydrogen bond, and (4) describe and identify ionic bonds.
- Compare hydrogen bonds and covalent bonds in terms of the mechanisms and strength of attraction between the atoms involved.

- Determine if a molecule is hydrophilic, hydrophobic, or amphipathic based on ionic, polar, and non-polar properties.
- Label covalent bonds as polar or nonpolar based on the difference in electronegativity between atoms.
- Discuss why water is biologically important as an excellent solvent and in terms of high heat capacity, cohesion, and adhesion.

Proteins

- Label the four components of an amino acid and explain the role of each in terms of how the molecule functions in a protein.
- Describe each of the four levels of protein structure and explain how each influences the protein's final size, shape, and chemical properties.
- Describe at least three functions that proteins serve in cells.
- Predict whether the R-group on an amino acid that you haven't seen before will interact with water.
- Label elements of primary, secondary, tertiary, and quaternary structure on a model of a protein that you haven't seen before.
- Fill in the following information for proteins in this table:

Monomer is called	Structure of the monomer	Diagram when two monomers link together	The polymer that is formed is called	The function of the polymer in cells

Nucleic Acids

- Describe at least three functions that nucleic acids serve in cells
- Define complementary base pairing and explain its connection to the observation that DNA strands are antiparallel.
- Use the pairing rules to 1) explain the observation that in DNA, %A = %T and %G = %C, 2) predict the sequence of a complementary strand of DNA when given one strand, and 3) calculate the percentage of each base in a DNA molecule when given the percentage of one base.

- Discuss the similarities and differences between DNA and RNA based on their structures, chemical composition, location, and functions in the cell.
- Label the components and directionality on a model of nucleic acid that you haven't seen before
- Fill in the following information for nucleic acids in this table:

Monomer is called	Structure of the monomer	Diagram when two monomers link together	The polymer that is formed is called	The function of the polymer in cells

Carbohydrates

- Describe at least three functions that carbohydrates serve in cells.
- Rank the potential energy in the following bonds from highest to lowest C-C, C-H, C-O and C=O.
- Discuss how the structure of carbohydrates relate to the use of carbohydrates as energy storage molecules for the cell.
- Fill in the following information for carbohydrates in this table:

Monomer is called	Structure of the monomer	Diagram when two monomers link together	The polymer that is formed is called	The function of the polymer in cells

Lipids

- Use drawings, models, or other representations to compare the structures of fats, phospholipids, and steroids
- Label the hydrophilic head and hydrophobic tails on a drawing of a phospholipid, then make drawings that include water molecules to explain how phospholipids spontaneously form bilayers in water
- Draw the differences between a saturated and unsaturated fatty acid at the carbon bond level.

- Given a structural model of a lipid you've never seen before, 1) identify it as a fat, phospholipid, or steroid, 2) determine if it is saturated or unsaturated, and 3) predict its function in the cell.
- Given several models of membranes, predict how differences in phospholipid composition and cholesterol content will affect their relative fluidity and permeability, and explain your reasoning.

Comparing The Major Classes of Biological Molecules

- Compare the monomer subunit, bond responsible for polymerization, and important biological function(s) observed in proteins, nucleic acids, and carbohydrates.
- Compare the primary, secondary, and tertiary structures of proteins, RNA, and DNA.
- Analyze how the structure of biological molecules impacts their function, including explaining the connections among the following three statements: 1) amino acids are much more diverse in structure and chemical properties than nucleotides, 2) in terms of diversity in shape and chemical properties, proteins > RNA > DNA, and 3) in terms of diversity in function, proteins > RNA > DNA.

Membrane Structure and Transport

- Draw a cell membrane and label integral and peripheral proteins, carbohydrate components, and lipid components.
- Compare the processes of diffusion, osmosis, and facilitated diffusion, and provide biological examples that illustrate each process.
- Explain why ions and polar molecules do not move across plasma membranes efficiently without a transport protein.
- Define passive and active transport and explain the role of channels, carriers, and pumps in transport.
- Given several ions and molecules, predict the relative rates at which they will cross a plasma membrane in the absence of membrane proteins. Explain your reasoning.

Cell Structure and Organelles

- Compare key elements of prokaryotic versus eukaryotic cell structure.
- Compare key elements of plant versus animal cell structure.

- Make a flowchart showing how proteins are processed and packaged or unpackaged as they move from ribosomes to the interior of the rough ER to Golgi to motor proteins to their destination.
- Compare the structure and function of microtubules, actin filaments (microfilaments), and intermediate filaments.
- Propose hypotheses to explain 1) the adaptive significance of organelles (the advantages and disadvantages of having membrane-bound structures inside cells), and 2) why organelles are more common in eukaryotes than bacteria and archaea.
- Predict what would happen to a cell if a particular organelle or structure was altered in a specified manner.
- Predict the function of a cell when given a drawing of a cell, a micrograph, or a description of a cell's structure and organelle content. Explain your reasoning.
- Predict the structure of a cell and its organelle content when given a cell's function. Explain your reasoning.
- Predict whether photosynthesis and/or cellular respiration will occur in a specific plant or animal cell, based on information about the cell's structure and function.
- Predict what would happen to a particular protein or overall cell function if a specified element or process in the endomembrane system were altered.

DNA Replication

- Describe the function of major components of the replisome: helicase, topoisomerase, DNA polymerase, DNA ligase, and primase.
- Use a drawing that you create to explain the statement: "A newly synthesized DNA molecule is half old and half new."
- Given a diagram of a DNA molecule during replication, label the following: the origin of replication, directions of replication, replication fork, the leading strand, and lagging strands and their polarities, and the replisome.
- Explain how DNA damage and/or mismatches are detected and repaired.

- Explain 1) why lagging strand synthesis is an appropriate name, and 2) why Okazaki fragments occur.

Central Dogma

- Make a flow chart summarizing the flow of information in cells from gene to protein. Label arrows connecting mRNA, DNA, and proteins, and explain which gene expression process each arrow represents.
- Explain how the genetic code relates transcription to translation and why it is considered redundant.
- On diagrams of transcription initiation and transcription elongation, label the template and coding strands, initiation complex, promoter site, RNA polymerase, ribonucleotides, the direction of RNA polymerase movement, and direction of RNA synthesis.
- On diagrams of translation initiation, translation elongation, and translation termination, label the small and large ribosomal subunits, mRNA, tRNA, rRNA, reading frame, start codon, stop codon, release factor, and tRNA binding sites (E, A, and P). Circle and label the locations where codon- anticodon recognition and peptide bond formation occur.
- Add elements to your central dogma model that represent "exceptions" such as 1) production of rRNA, tRNA, and "other RNAs", 2) DNA replication, and 3) the action of an enzyme called reverse transcriptase, which catalyzes the synthesis of DNA from an RNA template.
- Given a specific change in a DNA coding strand or a specific error in transcription or translation, predict the consequences for the gene product.
- Use a copy of the genetic code to predict the sequence of the amino acids produced from a given mRNA or double stranded DNA fragment. Identify the start and stop codon.

Enzymatic Reactions

- Explain 1) why "active site" is an appropriate term, 2) the mechanisms responsible for the observation that enzymes lower activation energies, 3) why most enzymes catalyze one specific reaction, and 4) why enzymes increase reaction rates but do not make endergonic reactions exergonic.
- Explain 1) the general role of ATP in the cell, 2) what it means to say that two chemical reactions are coupled, and 3) why a large change in free energy level occurs when an enzyme or substrate is phosphorylated. (Recall that phosphorylation adds 3 tightly packed negative charges.)

- Distinguish between competitive inhibition and noncompetitive inhibition.
- Explain how enzyme activity can be regulated by cofactors and coenzymes.
- Explain how physical factors affect enzyme structure and reaction rate.
- Explain how feedback inhibition regulates metabolic pathways.

Photosynthesis

- Describe how chlorophyll molecules harvest light energy and transfer energy.
- Explain the relationship between the light-dependent reactions and the Calvin cycle.
- Make a chart summarizing the inputs and outputs of PSI, PSII, and the Calvin cycle using NADPH, Glucose, H₂O, O₂, CO₂, H⁺ gradients, and ATP. Using this chart, explain the energy transformations that occur and the role of rubisco.
- Explain to a non-scientist how the CO₂ in "weightless" air is the source of mass in a redwood tree.
- Predict the possible consequences for the production of ATP and NADPH if a component or process in the photosynthesis pathway is altered.

Cellular Respiration

- Make a chart summarizing the inputs and outputs of glycolysis, pyruvate processing, the citric acid cycle, and oxidative phosphorylation, using NADH, FADH₂, Glucose, Acetyl CoA, Pyruvate, O₂, CO₂, H⁺ gradients, and ATP. Using the chart, explain how energy is transferred or transformed in each stage.
- Explain how cells use fermentation pathways to obtain energy from glucose in the absence of oxygen.
- Predict the possible consequences if a step in the glucose oxidation (cellular respiration) pathway is altered.
- Predict the effects of altering specific parts of the electron transport chain or ATP synthase.

Overall

- Distinguish between catabolic and anabolic reactions
- Given the summary reactions for photosynthesis and respiration, compare 1) the reactants and products of each process, and 2) the energy transformations that occur.

Mutations

- Rank the following mutations in terms of greatest to least impact on the structure and function of genes and gene products: missense (change amino acids), nonsense (change to "stop"), frameshift (change reading frame), and silent (no change in the product). Explain your reasoning.
- Defend the statement "mutation is the ultimate source of genetic variation," and explain why mutation is random with respect to its impact on an individual's fitness.
- Explain why cancer is 1) associated with mutations that regulate the cell cycle, and 2) more common in older than younger people.

Mitosis

- Explain why chromosome replication has to occur before mitosis, in interphase.
- Diagram the sequence of stages in the eukaryotic cell cycle (M, G1, S, and G2) and label the major event or events that occur in each.
- Given a labeled drawing showing the phases of mitosis, explain what is happening to the chromosomes and how it helps ensure that each daughter cell gets a complete and identical set.
- Given a micrograph or drawing of a cell you've never seen before, label the chromosomes, chromatids, sister chromatids, and homologous chromosomes, if present, and determine the haploid number and ploidy.
- Given a micrograph or drawing of a cell you've never seen before that is undergoing mitosis, explain what is currently happening to the chromosomes.
- Predict the consequences of altering a given stage (M, G1, S, and G2) in the cell cycle in terms of the cell's structure or fate.

Meiosis

- Explain the differences between somatic cells and germ cells. Describe the outcomes of cell division between these two categories of cells.
- Explain why chromosome replication has to occur before meiosis, in interphase.
- Differentiate between the genetic information held on two homologous chromosomes, two nonhomologous chromosomes, two sister chromatids, and two non-sister chromatids.

- Explain why the segregation of homologous chromosomes in meiosis I leads to a reduction in ploidy.
- Explain why no two haploid cells that result from meiosis are alike in terms of genotype and why this is important in terms of offspring fitness.
- Given a micrograph or drawing of a cell you've never seen before that is undergoing meiosis, explain what is currently happening to the chromosomes.
- Given a specific error in meiosis, predict the haploid genotypes that result and discuss the consequences for offspring.

Genetic crosses and human pedigree analysis

- Set up Punnett squares for monohybrid crosses and dihybrid crosses. Label which elements in the Punnett square and dihybrid cross represent the genotypes of egg, sperm, and offspring. Explain how you can determine the frequency of each egg and sperm genotype and how you can use this information to calculate the frequencies of offspring genotypes and phenotypes.
- Define polygenic inheritance and explain why it produces traits with a continuous variation.
- Using a drawing that shows the phases of meiosis, label the events that explain Mendel's principles of segregation and independent assortment. Add drawings to show how independent assortment can generate genetic variation in offspring. In each case, explain your reasoning.
- On a pedigree, label 1) genetic males and females, 2) affected and unaffected individuals, and 3) generations.
- Given information on parental and offspring phenotypes, determine whether the dominance system involved is 1) in a complete dominance, codominance, or incomplete dominance system and 2) if it is an autosomal or sex-linked trait.
- Based on the data in a pedigree, predict 1) whether the trait in question is autosomal or sex-linked and 2) which alleles are dominant and recessive.

Relevancy

- Apply evidence-based reasoning and biological knowledge to inform health, environmental, and/or societal related decisions.

Required Course Syllabus Statements

Generative AI

Generative AI: AI programs are not a replacement for your human creativity, originality, and critical thinking. Writing, thinking, and researching are crafts that you must develop over time to develop your own individual voice. At the same time, you should learn how to use AI and in what instances AI can be helpful to you.

The use of generative AI tools (e.g. ChatGPT, Google Gemini, etc.) is permitted in this course for the following activities:

- Brainstorming and refining your ideas.
- Fine tuning your research questions.
- Finding information on your topic.
- Drafting an outline to organize your thoughts.
- Checking grammar and style.

The use of generative AI tools is not permitted in this course for the following activities:

- Impersonating you in classroom contexts, such as by using the tool to complete assignments.
- Writing a draft of a writing assignment.
- Writing entire sentences, paragraphs or papers to complete class assignments.

You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contain misinformation or unethical content). Your use of AI tools must be properly documented and cited in order to stay within university policies on academic honesty.

Any student work submitted using AI tools should clearly indicate what work is the student's work and what part is generated by the AI. If any part of this is confusing or uncertain, please reach out to me for a conversation before submitting your work.

Using Remote Testing Software

This course does not use remote testing software.

This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.