



## Master Course Syllabus

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

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**Semester:** Spring 2025

**Year:** 2025

**Course Prefix:** BIOL

**Course and Section #:** 1610-012

**Course Title:** College Biology I BB

**Credits:** 4

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### 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.

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### 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.*

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### Instructor Information

**Instructor Name:** Dr. Heather Wilson-Ashworth, Ph.D.

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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.

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## Course Materials and Texts

**Required Text:** Biology: How Life Works, 4e. Volume 1, Morris

**Achieve Required Homework Web page:** Register in Canvas. 2 weeks free grace period so you can get started.

**IMPORTANT:** Use your UVUID email address to register for the Achieve.

**Required iClickers:** Free, included with Achieve Homework program

**Required POGIL Packets:** Go to the Bookstore and purchase them.

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## Course Requirements

### Course Assignments, Assessments, and Grading Policy

**Readiness activities:** These assignments are found in Macmillan's Achieve. They are designed to allow you to practice the concepts to be discussed the following day in class. These assignments are worth **10%** of your grade. No makeup.

**Grade calculation for this section:**  $[(\text{total points earned} / \text{total points possible}) \times 100] \times 0.10$

**POGIL activities:** These group activities are completed in class. You can purchase them in the bookstore, or they are posted on Canvas, and you can print out a copy of the activity. Everyone in the class will need a copy. Not bringing a copy of the POGIL activity to class will result in losing points for that activity. Zero points will be given for missing class and not being present during the collection of assignments. One report will be collected randomly from each group and represent each group's work. All group members will receive the same grade for the one report collected and graded. The lowest activity score will be dropped in the grade calculation. These activities will be worth **10%** of your grade.

**Grade calculation for this section:**  $[(\text{total points earned} / \text{total points possible}) \times 100] \times 0.10$

**Homework:** These assignments are found in Macmillan's Achieve. They are designed to cement the concepts discussed in class and the video lectures. These assignments are worth **20%** of your grade. Once we have completed a chapter, the homework is due by the following Saturday. No makeup.

**Grade calculation for this section:**  $[(\text{total points earned for both homework and science reading assignments} / \text{total points possible}) \times 100] \times 0.20$

**Weekly In-Class Quizzes** The primary objective of the exams is to determine your ability to synthesize the information rather than testing your ability to memorize facts. As a result, most questions will be application-based rather than rote memorization. I wish to emphasize that studying at an even pace throughout the semester will benefit your success in this course more than cramming.

The quiz format will be multiple-choice questions. The quiz will be administered **weekly in class** over the previous week's material. Bring a **pencil, iclicker software on phone or tablet and a non-programmable calculator**. You will have 20-25 minutes to complete the quiz. NO watches are allowed during the quiz. You should expect the mean on the quizzes to be near 65 out of 100 points.

If you miss a quiz, there is no make-up. Do not assume that you can take the quiz late. You need to get prior approval from me. There are only three excuses for taking a quiz late.

1. It is a college-excused absence.
2. You are ill and possess a note from your physician indicating that you should be in bed. I must see this note before you are allowed to take the quiz late.
3. Personal emergency. The student is responsible for contacting me before the test. It remains my discretion to determine whether the reasons merit taking the test late.

Quiz reviews are available during my office hours. If my office hours do not work with your schedule, you are welcome to schedule an appointment to review the exams or meet with me regarding any questions about the class. Giving or receiving test questions/answers and copies of old/current tests from previous or current students of BIOL1610 is also considered academic dishonesty and will result in expulsion from the class and a failing grade.

**You may drop your lowest quiz score if you take all the weekly quizzes.** These are worth **30%** of your grade.

**Grade calculation for this section:**  $[(\text{total points earned} / \text{total points possible}) \times 100] \times 0.30$

**Final exam:** Please note the date of the final exam. I DO NOT allow students to take their finals early. Please adjust your schedule accordingly so that you can plan to complete the final that day. This is worth **30%** of your grade. **Grade**

**calculation for this section:**  $[(\text{total points earned} / \text{total points possible}) \times 100] \times 0.30$

**Evaluation:** To calculate your grade, add the grade calculations for each category and then look at the grade breakdown below.

Weekly In-Class Topic Quizzes	30%
Readiness Activities	10%
POGIL In-Class Activities	10%
Homework assignments	20%
Final Exam	30%

Please understand that the course will be challenging, and the emphasis will be placed on developing skills addressed in the objectives. Some of you may already possess these skills. If so, it is an opportunity to improve them. The expected skills may be entirely new to others. If so, be patient with yourself and work hard. I am happy to help, but you must also put in a strong effort. I am confident that everyone can earn a respectable grade with appropriate effort. Please understand that a B or C may be a respectable grade. An A will represent a truly outstanding performance.

**Please understand that any issues regarding the calculation of your grade must be resolved before the end of the semester. Grades are final once they have been turned into the records office.**

The following is a **TENTATIVE** breakdown of grades:

Grade	% of total points
A	93% and above
A-	90% and above
B+	87% and above
B	83% and above
B-	80% and above
C+	77% and above
C	73% and above
C-	70% and above
D+	67% and above
D	63% and above
D-	60% and above
E	< 57% or less

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## Required or Recommended Reading Assignments

**SCHEDULE OF TOPICS ADDRESSED IN CLASS:** (This schedule is tentative. Schedule changes announced in class will take precedence over this schedule.)

Date	Topics	Chapter	POGIL Activity
Jan 7	Course Introduction Scientific Method	Chap 1 (pg 2-18)	PG Inferring Experimental Design from Data Tables
Jan 9	Scientific Method  Macromolecules of Life	Chap 1 (pg 2-18)  Chap 2 (27-32)	PG Inferring Experimental Design from Data Tables PG Nuclear Atom PG Chemistry in Review
Jan 14	Macromolecules of Life	Chap 2 (32-34)	PG Chemistry in Review PG Water and its Properties
Jan 16	Macromolecules of Life	Chap 2 (40-41) Chap 2 (41-45)	PG Biological Molecules- Carbohydrates PG Biological Molecules- Lipids
Jan 21	Cells, Membrane & Homeostasis	Chap 3 (47-50, 60-70) Chap 3 (50-56)	PG Cell Structure & Function  PG Membrane Structure
Jan 23	Cells, Membrane & Homeostasis	Chap 3 (50-56) Chap 3 (56-59)	PG Membrane Structure PG Membrane Function
Jan 28	Cells, Membrane & Homeostasis	Chap 3 (56-59)	PG Membrane Function
Jan 30	Nucleic Acids & Information Flow	Chap 2 (38-40) Chap 4	PG Biological Molecules-Nucleic Acids PG Gene Expression -Transcription
Feb 4	Nucleic Acids & Information Flow	Chap 4 all	PG Gene Expression -Transcription DNA-DNA Paper models
Feb 6	Protein Structure, Function & Synthesis	Chap 2 (35-38) Chap 5	PG Biological Molecules-Proteins PG Gene Expression-Translation Protein and translation
Feb 11	Making Life Work	Chap 6 (114-122)	PG ATP-Free Energy Carrier PG Enzymes and Cellular Regulation
Feb 13	Making Life Work	Chap 6 (123-129)	PG Enzymes and Cellular Regulation Metabolism Energy
Feb 18	Cellular Respiration	Chap 7 (all)	PG Cellular Respiration - Overview
Feb 20	Cellular Respiration	Chap 7 (all)	PG Cellular Respiration - Overview
Feb 25	Cellular Respiration Photosynthesis	Chap 7 Chap 8 (153-169)	Mystery of the Seven Deaths PG Photosynthesis
Feb 27	Photosynthesis	Chap 8 (153-169)	PG Photosynthesis
March 4	Cell Signaling DNA Replication & Cellular Reproduction	Chap 9 (179-185) Chap 11 (215-218) Chap 11 (218-226)	PG Cellular Communications PG The Cell Cycle PG DNA Structure and Regulation
March 6	DNA Replication & Cellular Reproduction	Chap 11 (218--226)	PG Cell Cycle Regulation
March 11, 13	Spring Break		
March 18	Mutations Meiosis & Mendelian Inheritance	Chap 13 (269-285) Chap 14 (290-298)	PG Genetic Mutations PG Mitosis Meiosis Mitosis Meiosis Comparison Meiosis – Examining Experimental Data
March 20	Meiosis & Mendelian Inheritance	Chap 14 (290-299) Chap 14 (301-316)	PG Meiosis and Genetic Diversity PG Statistics of Inheritance

March 25	Meiosis & Mendelian Inheritance	Chap 14 (301-316)	Pedigrees PG Pedigrees and Inheritance Monohybrid, Dihybrid, Sex-linked Crosses & Pedigrees calculations
March 27	Meiosis & Mendelian Inheritance	Chap 15 (318-325)	PG Pedigrees and Inheritance Monohybrid, Dihybrid, Sex-linked Crosses & Pedigrees calculations
April 1	Meiosis & Mendelian Inheritance	Chap 15 (318-325)	PG Pedigrees and Inheritance Monohybrid, Dihybrid, Sex-linked Crosses & Pedigrees calculations
April 3	Genetic & and Epigenetic Regulation	Chap 17 (350-356)	Prokaryotic Gene Expression – Lac operon PG Control of Gene Expression PG Control of Gene Expression
April 8	Evolution	Chap 20 (414-429)	PG Evolution and Selection
April 10	Evolution	Chap 20 (414-429)	PG Hardy Weinburg Equilibrium
April 15	Evolution Species & Speciation	Chap 20 (414-429) Chap 21	PG Hardy Weinburg Equilibrium PG Selection & Speciation
April 17	Species & Speciation	Chap 21	PG Selection & Speciation
April 22	Species & Speciation	Chap 21	PG Selection & Speciation

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## 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, H<sub>2</sub>O, O<sub>2</sub>, CO<sub>2</sub>, H<sup>+</sup> gradients, and ATP. Using this chart, explain the energy transformations that occur and the role of rubisco.
- Explain to a non-scientist how the CO<sub>2</sub> 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, FADH<sub>2</sub>, Glucose, Acetyl CoA, Pyruvate, O<sub>2</sub>, CO<sub>2</sub>, H<sup>+</sup> 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**

**AI Statement:** AI programs are not a replacement for your human creativity, originality, and critical thinking. Writing, thinking, and researching are crafts you must develop over time to develop your 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 Bard, 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; and
- 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 compose discussion board prompts/responses assigned to you or content that you put into a Teams/Canvas chat.

- Complete group work that your group has assigned to you unless it is mutually agreed upon that you may utilize the tool.
- 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 contains misinformation or unethical content). Your use of AI tools must be appropriately documented and cited to stay within university policies on academic honesty.

Any student work submitted using AI tools should indicate the student's work and what part the AI generates. In such cases, no more than 25% of the student work should be generated by AI. If any part of this is confusing or uncertain, please get in touch with me for a conversation before submitting your work. (<https://www.uvu.edu/otl/ai.html>, adapted from Hilary Hungerford and Temple University)

### 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](mailto: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](mailto: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](#).

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### **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](mailto:TitleIX@uvu.edu) – 800 W University Pkwy, Orem, 84058, Suite BA 203.

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### **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](mailto: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.