



BIO 160: INTRODUCTION TO HUMAN ANATOMY & PHYSIOLOGY

INSTRUCTOR: Periods 1 & 2

Mrs. Veith

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INSTRUCTOR: Periods 4, 6, 7

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Course Description:

Principles of scientific method. Structural organization, homeostasis and control mechanisms of the body. Specific chemistry concepts. Structure and function of the major systems of the body.

Course Standards:

The following state standards are used as background knowledge to the course competencies required for anatomy and physiology. Some standards will be reviewed multiple times but all students should have already been exposed to each of the following Arizona State standards at least once prior to taking this class. All 5 standards were taught in freshmen biology.

- 1) HS.L1U1.20. Ask questions and/or make predictions based on observations and evidence to demonstrate how cellular organization, structure, and function allow organisms to maintain homeostasis.
- 2) HS.L2U1.21 Obtain, evaluate, and communicate data showing the relationship of photosynthesis and cellular respiration; flow of energy and cycling of matter.
- 3) HS.L1U3.23 Obtain, evaluate, and communicate the ethical, social, economic and/or political implications of the detection and treatment of abnormal cell function.
- 4) HS.L3U1.24 Construct an explanation of how the process of sexual reproduction contributes to genetic variation.
- 5) HS.L3U3.26 Engage in argument from evidence regarding the ethical, social, economic, and/or political implications of current genetic technology.

Course Competencies:

By the time the student completes the course of study he or she will be able to:

- 1) Describe principles of scientific method.
- 2) Describe the structural organization of the body.
- 3) Describe homeostasis and homeostatic control mechanisms.
- 4) Describe specific chemistry concepts of the body.
- 5) Describe the structure and function of the integumentary system and body membranes.
- 6) Describe the structure and function of the skeletal system and joints.
- 7) Describe the structure and function of the muscular system.
- 8) Describe the structure and function of the nervous system.
- 9) Describe the structure and function of the endocrine system.
- 10) Describe the structure and function of the cardiovascular system.
- 11) Describe the structure and function of the lymphatic system and immunity.
- 12) Describe the structure and function of the respiratory system.
- 13) Describe the structure and function of the digestive system.
- 14) Describe the structure and function of the urinary system.
- 15) Describe the structure and function of the reproductive system.

Classroom Expectations: In addition to strictly following the DVUSD "Students Rights and Responsibilities Handbook, I expect the following to occur in my classroom:

1. **Be There** – It is important that you are in class regularly and on time. Not only should you physically be in class but also mentally. Students should take advantage of time with the instructor to pay attention and ask questions as needed. Make sure you come prepared for class with supplies and assignments done such as notes, reading, pre-lab etc. If you are not prepared for class you may not be able to participate in the activity that day which will impact your success in class.

2. **Choose your attitude** – You have no control over the things that other people do. You only have control over your reactions. Make a conscious effort to have a positive attitude. It is not always easy but if you are aware that only you can control your mood every day can be a great day.
3. **No food or drinks in the classroom** – We might be using substances that may contaminate what you put in your mouth. This is for your own health and safety.
4. **Listen and participate**- A lot of the learning for this class takes place when I am talking with you or you are collaborating in your groups! So, please be sure to truly and actively listen and when appropriate, participate.
5. **Don't procrastinate**- If you put your work off it will continue to build up and will one day become overwhelming. Save your time and do it on time.
6. **Get Additional Help (tutoring) ASAP:** In addition to the Academic Prep times built into our schedule each week, additional assistance/tutoring is provided on a weekly basis both by MRHS and individually by me. My weekly availability will be posted in the classroom at the start of each week.
7. **The Student is Responsible** for the information outlined in the syllabus. The student is also responsible for knowing the Rio Salado College policies in the college catalog and the student handbook. Please refer to:
<https://www.riosalado.edu/early-college/dual-enrollment>

Attendance Policy for Dual Enrollment Students:

In order to maintain college credit, you are not allowed to miss more than six class periods per semester in BIO160. Upon the seventh absence, you may forfeit college credit and earn a letter grade of “F” for the course. This includes excused or unexcused absences or sweep. If a student is suspended (either off campus or on campus) the days will count against his/her overall attendance. All college visits/orientations are personal extracurricular decisions and are not exempt from the dual enrollment attendance policy.

*Note: School excused activities do not count against your attendance.

Grade Book Weighting: (DVUSD District Wide)

80% Assessment – Include tests, quizzes, projects, lab practicals or other items that show a summative understanding of the students’ knowledge.

20% Coursework – Includes in class assignments and some labs.

0% Practice – Includes daily activities used to help the students understand the content without penalty.

Grading for Dual Enrollment Credit

Students will be evaluated based on the following:

Labs 25%

Assessments 75%

There is NO extra credit. The scheduled assignments and exams are sufficient to test understanding of the materials presented in the course.

*You must earn a cumulative D- (60%) or higher in both the Assessment & Lab categories or you will lose college credit.

Grading Scale:

90% – 100% = A	80% – 89% = B	70% – 79% = C	60% – 69% = D	59% or below = F
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Report Cards

In an effort to conserve resources and harness the capacity of our electronic grade reporting program (PowerSchool) district schools will no longer print hard copies of report cards unless requested by individual parents. To request a hard copy of your student’s report card, please contact the front office at 623-376-3000. To receive your PowerSchool login, please stop into the office with a valid photo ID.

Power Schools On-line Access:

Grades and attendance may be accessed 24 hours a day online with your Power School access code. Access codes are available in the Counseling Office or Front Desk Monday – Friday 7:00 AM– 3:30 PM. You may check student progress regularly on the PowerSchool site using the same login for one or more students. For Mountain Ridge parents/guardians without home computer access, a computer with guest log-in capability is available in the Counseling Conference Room.

Academic Assistance/Office Hours:

In addition to the Academic Prep times built into our schedule each week, additional assistance/tutoring is provided on a weekly basis both by MRHS and individually by instructors. These office hours will be posted in my classroom, and Canvas at the start of each week. I will demonstrate to the students how to find my availability each week.

Policies and Procedures

- Homework assignments on paper are collected at the beginning of class. A majority of the assignments in this course will be submitted digitally via Canvas with the due date clearly posted. Assignments are not accepted via email, canvas message, remind or any other method, they must be submitted to Canvas for credit.
- Communication is very important in this class and every other. The primary mode of communication for this class is Canvas Inbox and should be used when contacting your teacher. It is also a good idea to remember when your teacher is likely able to return your messages. Do not wait until the weekend to reach out with a question that you need answered promptly, as they may not see your message until Monday morning. Likewise, do not message late at night because you will not receive a response until the next day. Communicating efficiently & promptly with your instructor is a key component to your success in this class.
- Students who are absent the day before a scheduled/announced assessment are expected to take the assessment as scheduled/announced the following day.
- Use of supplemental resources is not allowed on assessments.
- If a student is absent on a scheduled/announced exam day they should expect to take it as soon as they return.
- PG and PG-13 science based video clips and science based instructional videos will be shown.

Absences: After an absence, a student has one school day for each day missed to make up work/tests, regardless of the number of days absent. If many days were missed, please schedule an appointment with me to formulate a plan for the completion of make-up work. Make-up work for extended absences (over 3 days) may be requested through the Counseling Office and picked up there.

Assignments:

1. Assignments are due at the time and date stated.
 - a. Assignments submitted 1 day late will earn 50% credit, 2 days late earn 25% credit, and no credit is earned thereafter.
 - b. Beyond 2 days you may turn in your work late and I can give you feedback, but you cannot earn points.
2. Some assignments will be submitted on paper and some digitally.
3. After an excused absence, you have 1 school day for each day missed to make up work/exams.
4. If you are going to miss an exam day talk to me! You should be prepared to take the make-up exam the first day you return.

Late Assignments Policy: In order for **Late Work** to be accepted, students must meet the following parameters:

- Assignment is not due within the class period
- Assignment is not a timed activity (such as a Lab Practical)
- Assignment is not a Long-Term assignment (over multiple weeks)
- Assignment is turned in by the end of the instructional unit

All assignments are given a due date, and a zero is filled in once the due date is passed. Although assignments can be turned in after that date the point of these assignments is to expose students to content and help them obtain mastery of that content through timely practice so that they are successful on high stakes exams. Not completing assignments as assigned and submitting them late, hurts the student's abilities to achieve mastery as they may go into assessments without feedback and practice. Having late work also causes students to have to play "catch up" which causes additional stress on the student.

Classwork Policy: In-class assignments may be due by the end of the class period. You will receive time to complete in class.

Reassessment – Tests Only

The student completes another assessment of the same learning targets. The assessment will be a different format and will be at the same difficulty level. This testing opportunity will be presented as a "midterm" and a "final".

Plagiarism and Cheating: Plagiarism is the use of someone else's work and reporting it as your own, or the giving of your work to another student to use as their own. Both instances are considered cheating and will not be tolerated. Any assignments that are plagiarized, or copied will not be accepted and the student using the copied work as well as the original author of the work (if the cheating is "peer to peer") will both receive a zero for the assignment and may both face additional consequences at the school level in accordance with the MRHS Student Handbook. There are also strict "no talking" and "no technology access" during all assessment (tests, quizzes and final exam). Any violation of these policies, regardless of the reasons/motives will result in the assessment being confiscated and a score of zero entered into the grade-book on the assessment. In addition, consequences at the school level may also occur in accordance with the MRHS Student handbook.

In this class, optional assignments will be given for grade opportunities. Any cheating or plagiarism will result in no credit for all previous and future optional activities.

AI Statement

In Deer Valley Unified School District, we are committed to providing our students with the best possible education while ensuring their safety, privacy, and well-being. As part of our ongoing efforts to enhance learning experiences, we may incorporate the use of Artificial Intelligence (AI) in the classroom for students. However, it is important to approach this technology with caution and adhere to responsible data privacy practices.

DVUSD has determined that the use of Large Language Models (LLMs), such as ChatGPT, is prohibited unless clearly specified by your teacher. Specific guidelines will be provided in the assignment details. If you are unsure if the tool or website you are using is an LLM or if it is permitted on a specific assignment, please contact your teacher before submitting your work.

Daily Device Use (iPads)

Students should come to school with their iPads charged and ready to use in each class every day. Devices may not be used to record or take photos of other people without their consent. Consequences for classroom disruptions and misuse of devices will follow a progressive discipline model, beginning with a phone call home and progressing to office referrals for repeated or more serious offenses. See the Student Rights and Responsibilities consequence chart in the handbook for more specific descriptions of infractions and consequences.

MRHS Laboratory Breakage Policy

The Mountain Ridge Science Department has a policy regarding the damage or breakage of laboratory equipment. In the event a student breaks any laboratory materials, that student will be responsible for paying the replacement cost of each item. A complete list of all laboratory materials and their costs are posted in each classroom. The students are taught proper procedures and laboratory etiquette to ensure the safety of our students during lab activities. This policy helps hold the students accountable for their actions and reinforces careful laboratory procedures.

Disability Statement:

In accordance with the Americans with Disabilities Act, the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. mental health, attentional, learning, chronic health, sensory, or physical). Each class/term/semester that a student is in need of academic adjustments/accommodations, the qualified student is required to work with the Disability Resources & Services Office (DRS) at their individual college(s). Contact with the DRS should be made as soon as possible to ensure academic needs are met in a reasonable time. New and returning students must request accommodations each semester through DRS Connect online services. To learn more about this easy process, please contact your local DRS office. Notify Your Teacher and the Disability Services and Resources of any special needs asap. Contact Disability Services and Resources at (480) 517-8562.

Civility Policy:

The faculty of Rio Salado place a high value on the importance of general ethical standards of academic behavior and expect that communication between students and instructors or among students shall maintain the level of formality and mutual respect appropriate to any college teaching/learning situation. Language or behavior that is rude, abusive, profane, disruptive, or threatening will not be tolerated. Activity of this type is Academic Misconduct as defined in MCCCD Policy AR 2.3.11. Students engaging in such behavior will be removed from the course with a failing grade. Additional sanctions may be applied pursuant to AR 2.3.11.

Withdrawal Policy:

If you decide to withdraw from the course you must complete paperwork to officially do so. Students who drop courses within the refund period are eligible for a reimbursement of appropriate tuition. Deadlines and details are available online at <https://national.riosalado.edu/paying-for-college/refunds>

Suggested Materials: NON-powdered Nitrile or Vinyl Gloves (not until Late September)

Personal Note:

Because this is a college level human anatomy & physiology class, topics such as diseases, cadavers, dissections, surgeries, organ transplants, and many other sensitive and sometimes graphic topics will be discussed and seen in lectures, slides, videos, guest speakers and/or labs.

The Deer Valley Unified School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. For any inquiries regarding nondiscrimination policies contact the DVUSD District Office, 20402 N 15th Avenue, Phoenix, AZ 85027 (6285027 (623) 445-500

This syllabus is subject to change. Any changes will be announced using the LMS system.