



**Dekalb Christian Home Educators  
College Academy  
Human Anatomy & Physiology I**

**Fall 2023 Course Syllabus**

**Course Information**

**Instructor Information**

- **Instructor:** Dr. Vanita Johnson
- **Office:** Stone Mountain First United Methodist Church
- **Office Hours:** By Appointment
- **Meeting Time:**
  - Wednesdays (In-Person) at 11:00AM  
AND
  - Thursdays (Virtual) at 2:00PM (Time subject to change)
- **Office Telephone:** 404-964-6325
- **E-mail:** vjj324@yahoo.com

**Description**

***Course Description***

- Structure and function of the Integumentary, skeletal, muscular, and nervous systems.

***Lab Description***

- Structure and function of the skeletal, muscular, and nervous systems.

**Prerequisite**

- Recent coursework in Biology is recommended but not required

## Statement of Faith

This course is taught from a Biblical Worldview in accordance with the Dekalb Christian Home Educators [Statement of Faith](#) as stipulated in [the DCHE Membership Guidelines](#).

## General Education Area

- **Home School:** This course provides 45 hours of instruction, 15 hours of laboratory activities, and 120 hours of student preparation. This provides 180 hours of instructional activities satisfying 1 year of homeschool science instruction as defined by [the Georgia Department of Education Home Study Program](#).
- **High School Credit:** This course satisfies [1 Unit of Science](#) for Georgia high school graduation requirements for:
  - [26.07300 Human Anatomy & Physiology](#)
- **College Credit:** For students seeking Dual Credit, this course satisfies 4 credit hours of college credit awarded by Colorado Christian University:
  - [BIO-201 Human Anatomy & Physiology I](#) (3 Credit Hours)
  - [BIO-211 Human Anatomy & Physiology I Lab](#) (1 Credit Hour)

**Students seeking Dual Credit must also complete the [CCU Academy Registration Form](#) and pay the associated \$200 fees for BIO 201 and BIO211 on or before November 10, 2023.**

## Textbook & Course Materials

- **Required Text and Courseware:**
  1. **Textbook:** McHenry, Ellen J. (2019) [Mapping the Body with Art](#) Ellen McHenry's Basement Workshop. ISBN: 978-0578503349
  2. **Courseware:**
    - [Mapping the Body with Art - Part 1 Biochemistry and Cells](#)
    - [Mapping the Body with Art - Part 2 Embryology](#)
    - [Mapping the Body with Art - Part 3 Tissues](#)
    - [Mapping the Body with Art - Part 4 Organs](#)
    - [Mapping the Body with Art - Intro to Virology](#)

Please note: When purchasing the Video E-Courses, apply this DCHE discount code which provides 50% off: **MAPBODYFAMILYDISCOUNT50**. This Discount Code is provided to DCHE. Please do not share this discount code with anyone outside of DCHE.

- **Materials**
  1. Colored Pencils

## Course Requirements

- Internet connection (DSL, LAN, or cable connection desirable)
- Access to a Computer (any with a Browser)

## Course Structure

This course is hybrid. Please note the structure below:

DAY	TIME	LOCATION	ACTIVITY
Wednesdays	11:00AM-11:55AM	Stone Mountain FUMC Youth Department Classroom	Quizzes Labs Midterm Exam Final Exam
Thursdays	2:00PM (Time Subject to Change)	Zoom	Lecture Viewing Assignment Drawing Assignments

**Important Note:** This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check our website ([www.dcheeducators.org](http://www.dcheeducators.org)) for corrections or updates to the syllabus. Any changes will be clearly noted in course announcements.

# Student Learning Outcomes

## *Course Student Learning Outcomes*

1. Students will understand the basic structure of human cells and tissues.
2. Students will demonstrate an understanding of the anatomy of the human musculoskeletal system and its functions.
3. Students will be able to explain the functioning of the human central and peripheral nervous system at both the cellular and organ system level.
4. Students will be able to effectively communicate the above information using appropriate scientific terminology and style in both written and verbal formats.
5. Students will learn to effectively analyze and evaluate scientific information and the manner in which that information was developed using the scientific method and their own analytical abilities.

## *Lab Student Learning Outcomes*

1. Students will understand the basic structure of human cells and tissues.
2. Students will demonstrate an understanding of the anatomy of the human musculoskeletal system and its functions.
3. Students will be able to explain the functioning of the human central and peripheral nervous system at both the cellular and organ system level.
4. Students will be able to effectively communicate the above information using appropriate scientific terminology and style in both written and verbal formats.
5. Students will learn to effectively analyze and evaluate scientific information and the manner in which that information was developed using the scientific method and their own analytical abilities.

# Topic Outline/Schedule

Please see the Topic Outline/Schedule in the table below and note the following:

- **Readings:** Each Week has assigned Readings
- **Viewings:** Viewings are online course videos which review the topics and also provide step-by-step instructions on the drawing assignments.
- **Labs:** A Lab will be completed each week On-site with Topic Review on Wednesdays
- **Assessments:**
  - **Labs:** In-class labs will receive credit for successful completion
  - **Weekly Quizzes:** Weekly Quizzes are completed in class on Wednesdays each week at the beginning of each class session. Graded Quizzes are returned 7 days after submission.
  - **Drawing Assignment:** Drawing Assignments are reviewed and graded in class (virtual) on Thursdays each week at the end of each class session.
  - **Midterm Exam:** The Midterm Exam is administered in class and returned within 7 days after submission.
  - **Final Exam:** The Final Exam consists of an *In-Class Assessment* and a *Final Project*. The *In-Class Assessment* is administered in class and returned within 7 days after submission. The *Final Project* will be presented by students in Virtual Session and grades administered within 7 days after submission.

WEEK	DATE	TOPIC	READINGS	VIEWINGS	LAB	ASSESSMENT
1	9/6/23	Lab Safety Anatomical Orientation <i>Genesis 1:27</i>				
2	9/13/23	Diffusion and Osmosis <i>Revelation 4:11</i>	<a href="#">Module 1 - Lesson 5</a> <a href="#">Module 1 - Lesson 6</a> <a href="#">Module 1 - Lesson 7</a>	<a href="#">Module 1 - Lesson 5</a> <a href="#">Module 1 - Lesson 6</a> <a href="#">Module 1 - Lesson 7</a>	<a href="#">Diffusion and Osmosis Experiment</a>	1) Week 2 Quiz 2) Module 1 - Lesson 6: Drawing Assignment
3	9/20/23	Tissues and Histology <i>John 3:6</i>	<a href="#">Module 3 - Lesson 30</a> <a href="#">Module 3 - Lesson 31</a> <a href="#">Module 3 - Lesson 32</a> <a href="#">Module 3 - Lesson 33</a> <a href="#">Module 3 - Lesson 34</a>	<a href="#">Module 3 - Lesson 30</a> <a href="#">Module 3 - Lesson 31</a> <a href="#">Module 3 - Lesson 32</a> <a href="#">Module 3 - Lesson 33</a> <a href="#">Module 3 - Lesson 34</a>	<a href="#">Pig Tissue Dissection</a>	1) Week 3 Quiz 2) Module 3 - Lesson 30: Drawing Assignment

WEEK	DATE	TOPIC	READINGS	VIEWINGS	LAB	ASSESSMENT
4	9/27/23	Skeletal System & Joints <i>Ezekiel 37:1-5</i>	<a href="#">Module 4 - Lesson 76</a> <a href="#">Module 4 - Lesson 77</a> <a href="#">Module 4 - Lesson 79</a>	<a href="#">Module 4 - Lesson 76</a> <a href="#">Module 4 - Lesson 77</a> <a href="#">Module 4 - Lesson 79</a>	<a href="#">Pig Skeletal Dissection</a>	1) Week 4 Quiz 2) Module 4 - Lesson 77: Drawing Assignment
5	10/4/23	<b>MIDTERM EXAM</b>				
N/A	10/11/23	<b>FALL BREAK/NO CLASS</b>				
6	10/18/23	Muscular System <i>1 Corinthians 9:24-27</i> <i>James 3:6</i>	<a href="#">Module 3 - Lesson 53</a>	<a href="#">Module 3 - Lesson 53</a>	<a href="#">Pig Muscles Dissection</a>	1) Week 6 Quiz 2) Module 3 - Lesson 53: Drawing Assignment
7	10/25/23	Nervous System <i>Matthew 6:22-24</i>	<a href="#">Module 3 - Lessons 50-51</a>	<a href="#">Module 3 - Lessons 50-51</a>	<a href="#">Pig Brain Dissection</a>	1) Week 7 Quiz 2) Module 3 - Lesson 51: Drawing Assignment
8	11/1/23	Nervous System (cont.) <i>Matthew 6:22-24</i>	<a href="#">Module 4 - Lesson 84</a>	<a href="#">Module 4 - Lesson 84</a>	<a href="#">Pig Brain Dissection (cont.)</a>	1) Week 8 Quiz 2) Module 4 - Lesson 84: Drawing Assignment
9	11/8/23	Endocrine System <i>Romans 8:10-11</i>	<a href="#">Module 4 - Lesson 80</a>	<a href="#">Module 4 - Lesson 80</a>	<a href="#">Pig Endocrine System Dissection</a>	1) Week 9 Quiz 2) Module 4 - Lesson 80: Drawing Assignment
N/A	11/15/23	<b>FRIENDSGIVING/NO CLASS</b>				
N/A	11/22/23	<b>THANKSGIVING BREAK/NO CLASS</b>				
10	11/29/23	<b>FINAL EXAM</b>				

# Grading Policy

## Graded Course Activities

Graded Assignments are returned in class within 7 days of submission.

Points	Description
700	<b>Lab Activities</b> 7 Lab Activities - 100 Points Each
700	<b>Weekly Quizzes</b> 5 Questions - Short Answer - 100 Points Each
700	<b>Drawing Assignments</b> 7 Drawing Assignments - 100 Points Each
400	<b>Midterm Exam</b> 20 Questions - Fill-in-the-blank, short answer, and essay
500	<b>Final Exam</b> 10 Questions - Fill-in-the-blank, short answer, and essay (20%) Final Project - Presentation on selected body system (80%)
3000	Total Points Possible

## Rubrics

### LAB ACTIVITY RUBRIC

<b>CRITERION</b>	<b>LIMITED 0-14</b>	<b>DEVELOPING 15</b>	<b>PROFICIENT 20</b>	<b>ADVANCED 25</b>
<b>CORRECTNESS</b>	Did not complete the lab in-class as instructed.	Completed minimal lab activities in-class as instructed.	Completed partial lab activities in-class as instructed.	Completed the lab in-class as instructed.
<b>COMPLETENESS</b>	Did not complete the lab.	Completed minimal portions of the lab.	Completed partial portions of the lab.	Completed the lab in-class.
<b>DISCUSSION</b>	Did not answer any discussion as prompted nor contribute to classmate discussion.	Provided minimal answers to discussion as prompted.	Provided partial answers to discussion as prompted.	Answered instructor discussion questions thoughtfully as prompted. Contributed to classmate discussion.
<b>COLLABORATION</b>	Did not work with classmates cooperatively.	Provided minimal cooperation with classmates.	Provided partial cooperation with classmates.	Worked with classmates cooperatively.

### WEEKLY QUIZZES RUBRIC

The Weekly Quizzes are 5 Questions consisting primarily of short answer. These questions are individually evaluated for factual correctness.



## DRAWING ASSIGNMENT RUBRIC

CRITERION	LIMITED 0-29	DEVELOPING 30	PROFICIENT 40	ADVANCED 50
<b>COMPLETENESS</b>	Student submission does not include any drawings.	Student submission includes incomplete anatomy drawings.	Student submission includes mostly complete anatomy drawings.	Student submission includes a picture of complete anatomy student drawing(s) as directed.
<b>CORRECTNESS</b>	Student submission does not include any correctly drawn anatomy parts.	Student submission includes picture(s) of student drawing(s) mostly illustrating the anatomy however several parts are missing.	Student submission includes picture(s) of mostly complete student drawing(s) mostly illustrating the anatomy however some parts are missing.	Student submission includes a picture of complete student drawing(s) correctly illustrating the anatomy as directed.

### Midterm Exam Rubric

The Midterm Exam is 20 Questions consisting primarily of fill-in-the-blank (without a word bank), short answer, or essay.

### Final Exam Rubric

The Final Exam is consists of two parts:

- **In-Class Assessment (20%):** 10 Questions consisting primarily of fill-in-the-blank (without a word bank), short answer, or essay. This assessment will take place in class on 11/29/23.
- **Final Project (80%):** The Final Project is a presentation students will present individually on 11/30/23 in the virtual course meeting.

### FINAL PROJECT RUBRIC

CRITERION	LIMITED	DEVELOPING	PROFICIENT	ADVANCED
<b>LANGUAGE 10%</b>	Student does not use correct spelling and grammar throughout	Student minimally uses correct spelling and grammar throughout	Student uses mostly correct spelling and grammar throughout	Student uses correct spelling and grammar throughout
<b>SUBJECT KNOWLEDGE 40%</b>	Presentation identifies the selected Body System. However, the presentation does not describe any of the following: Purpose, Organs (with drawings), Relationship to other Body Systems, nor Medical Problems/Diseases.	Presentation identifies and mostly describes the selected Body System. However 2-3 of the following are missing: Purpose, Organs (with drawings), Relationship to other Body Systems, or Medical Problems/Diseases.	Presentation identifies and mostly describes the selected Body System. However 1 of the following are missing: Purpose, Organs (with drawings), Relationship to other Body Systems, or Medical Problems/Diseases.	Presentation identifies and describes selected Body System including: Purpose, Organs (with drawings), Relationship to other Body Systems, and Medical Problems/Diseases.
<b>BIBLICAL WORLDVIEW 20%</b>	Presentation does not analyze Human Anatomy through a Biblical Worldview. Scripture is not integrated.	Presentation analyzes Human Anatomy with a Biblical Worldview. However no Scripture is integrated.	Presentation analyzes Human Anatomy with a Biblical Worldview. Scripture is integrated, however it is not a relevant verse.	Presentation analyzes Human Anatomy with a Biblical Worldview. Scripture is integrated appropriately..
<b>RESEARCH 20%</b>	Presentation does not include any research from external references.	Presentation includes research from 1 reference.	Presentation includes research from 2 references.	Presentation includes research from 3 references.
<b>FORMAT 10%</b>	Presentation is not on a Posterboard.	Presentation is on a posterboard, but not a 3-fold poster board.	PRresentation is on a 3-fold poster board, however 1 or more sides are blank.	Presentation is on a 3-fold poster board.

### Late Work Policy

Be sure to pay close attention to deadlines—there will be no make-up assignments or quizzes, or late work accepted without a serious and compelling reason and instructor approval.

## Letter Grade Assignment

<b>Letter Grade</b>	<b>Percentage</b>	<b>Points</b>	<b>Performance</b>
A	90-100%	360 to 400	Excellent Work
B	80-89%	320 to 359	Good Work
C	70-79%	280 to 319	Average Work
D	60-69%	240 to 279	Poor Work
F	0-59%	239 and below	Failing Work

# Course Policies

## Participation

Students are expected to comply with the [DCHE Policies and Procedures](#). Students are expected to participate in all online activities as listed on the course calendar.

## Build Rapport

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the semester so that we can help you find a solution.

## Complete Assignments

**All Quizzes and Exams for this course will be submitted in person on Wednesdays in the Classroom unless otherwise instructed.** Assignments must be submitted by the given deadline or special permission must be requested from Dr. Johnson *before the due date*. Extensions will not be given beyond the next assignment except under extreme circumstances.

## Understand When You May Drop This Course

It is the student's responsibility to understand when they need to consider disenrolling from a course. For Dual Credit students, refer to the [CCU Academy Dual Credit Important Dates Schedule](#) for dates and deadlines for registration.

## Incomplete Policy

Under emergency/special circumstances, students may petition for an incomplete grade. An incomplete will only be assigned if there is an extenuating circumstance. All incomplete course assignments must be completed within 30 days of the course end date.

## Inform Your Instructor of Any Accommodations Needed

If you have a disability and would like to request accommodations, please contact the instructor during the first week of the semester so that your accommodations may be provided in a timely manner.

## **Academic Honesty Policy & Procedures**

Academic honesty is the student's life application of integrity, a Biblical core value.

### *Plagiarism*

It is important for students to acknowledge sources that are used for completing classroom assignments. Plagiarism is a form of academic dishonesty.

Plagiarism may be any one of the following:

1. Verbatim copying without proper documentation of the source(s).
2. Paraphrasing without proper documentation of the source(s).
3. Unacknowledged appropriation of information or ideas from someone else.

If students have any questions about these forms of plagiarism or about an assignment they are preparing, they should ask their Dr. Johnson for clarification rather than risk unintentional plagiarism.

### *Cheating*

It is important for students to act in an honest and trustworthy manner. Work performed on examinations or other forms of evaluation must represent an individual's own work, knowledge and experience of the subject matter. Students are expected to follow the classroom rules established by Dr. Johnson.

Cheating may be any one of the following:

1. Unauthorized looking at or procuring information from any unauthorized sources or from another student's work during an examination or from any work that will be graded or given points.
2. Unauthorized acquiring, reading or learning of test questions prior to the testing date and time.
3. Changing any portion of a returned graded test or report and resubmitting it as an original work to be regraded.
4. Presenting the work of another as one's own for a grade or points.
5. Knowingly assisting another student in cheating.

This list is not all-inclusive and the list itself is not meant to limit the definition of cheating to just these items mentioned.

### *Consequences of Academic Dishonesty*

The disciplinary action for cheating or plagiarism is up to the discretion of the instructor. The instructor may select one or more of the following options:

1. Issue an oral or written notification and warn the student that further acts of this sort will result in additional disciplinary action.
2. Issue an "NP" or a failing grade ("F") or "0" for the assignment in question.
3. Refer the student to the Vice President for Student Services for disciplinary action.