

**BIOL 2302: Human Anatomy and Physiology II**  
**Lecture: 3 Semester Credit Hours**  
**BIOL 2302.101 Monday, Tuesday, Wednesday 9:58-10:46a.m.**  
**BIOL 2102: Human Anatomy and Physiology I Lab**  
**Lab: 1 Semester Credit Hour**  
**BIOL 2102L.101 Thursday, Friday 9:58-10:46a.m.**

**CLARENDON COLLEGE**  
**Division of Science and Health**  
**Course Syllabus - Spring 2026**

**Instructor:** Mrs. Jody Piper

**Office:** Rm. 112, Counselor's Office

**Phone:** Work: 940.937.6131, ext. 4040

**E-mail:** [jpiper@childressisd.net](mailto:jpiper@childressisd.net)

**Mailing Address:** Childress High School, 800 Ave. J NW, Childress, TX 79201

**Office Hours:** M-F 7:45-8:00 a.m. & 3:30-4:00 p.m.

**Google Classroom Code:** 5jzwmwti

**BIOL 2302 Course Description: Anatomy and Physiology II** is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive, urinary (including fluid and electrolyte balance), and reproductive. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

**BIOL 2102 Course Description:** The lab provides a hands-on learning experience for the exploration of human system components and basic physiology. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive, urinary, and reproductive.

**Statement of Purpose:** Human Anatomy and Physiology I partially satisfies the requirements for the Associates Degree at Clarendon College and is designed for transfer to a senior college.

**Texts: *Anatomy & Physiology*** textbook authored and published by OpenStax College (License: CC-BY 4.0). You are responsible for reading the text. You can download the textbook material at <https://openstax.org/details/books/anatomy-and-physiology>. This course also includes additional content created by BNED and other third-party sources under CC-BY 4.0 Attribution License. You do not have to print the textbook as it is available as an e-text within the Barnes and Noble Loud Cloud platform. ISBN-10: 1938168135

**BIOL 2101: Text Utilized:** *Human Anatomy & Physiology Laboratory Manual with MasteringA&P, Cat Version* by Elaine N. Marieb and Lori A. Smith. ISBN-10: 0134632338 but handouts will be provided. Class lectures will be based on the book chapters, but not all of the material in the text will be covered in class. Further, supplemental material may be presented that is not in the book, and thus it is essential that you attend the class regularly.

**Supplies:**

- **3 ring binder** (at least 1 - 1½ " for your lecture notebook - see sections below). I have notebooks available if you need... just ask!!
- **map pencils (to be used in lab periodically)**
- **sticky notes – regular size**
- **ONE of the following: Cleaning Wipes OR Dish Soap OR Hand Soap**

Notebook section dividers:

1) LECTURE NOTES

2) HANDOUTS - DAILY WORK

2) QUIZZES (when not taken in Google Classroom)

3) LABS

**\*ALL EXAMS/PRACTICALS will be kept by instructor after handing back for review by student.**

**Methods of Instruction:** This course will utilize lecture/discussion, computer programs, audio-visual materials, and individualized lab instruction.

**Core Objective Statement:** In accordance with recommendations from the Texas Higher Education Coordinating Board, all life and physical science courses at Clarendon College will address the following core objectives:

1. **Critical Thinking Skills** – including creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
2. **Communication Skills** – including effective written, oral, and visual communication.
3. **Empirical and Quantitative Skills** – including application of scientific and mathematical concepts.
4. **Teamwork** – including the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

**Student Learning Outcomes:**

Upon successful completion of **Human Anatomy & Physiology II**, the student should demonstrate these core objectives by being able to use:

1. **Critical Thinking Skills**  
Identify the chemical structures, synthesis, and regulation of nucleic acids and proteins.
2. **Communication Skills**  
Describe the characteristics of life and the basic properties of substances needed for life.  
Describe the reasoning processes applied to scientific investigations and thinking.  
Describe human physiology and homeostasis as maintained by organ systems.
3. **Empirical and Quantitative Skills**  
Describe the structure of cell membranes and the movement of molecules across a membrane.  
Be able to apply scientific reasoning to investigate questions, and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.
4. **Teamwork**  
Communicate effectively the results of investigations.  
Use critical thinking and scientific problem-solving to make informed decisions in the laboratory

**Academic Integrity and Dishonest Behavior.**

**Academic Integrity:** An Excerpt from Clarendon College's Student Handbook

Failure to comply with lawful direction of a classroom instructor is a disruption for all students enrolled in the class.

Cheating violations include, but are not limited to: (1) obtaining an examination, classroom activity, or laboratory exercise by stealing or collusion; (2) discovering the content of an examination, classroom activity, laboratory exercise, or homework assignment before it is given; (3) using an unauthorized source of information during an examination, classroom activity, laboratory exercise, or homework assignment; (4) entering an office or building to obtain unfair advantage; (5) taking an examination for another person; (6) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (7) altering grade records; (8) using any unauthorized form of electronic communication device during an examination, classroom activity, or laboratory exercise; (9) Plagiarism. Plagiarism is the using, stating, offering, or reporting as one's own, an idea, expression, or production of another person without proper credit. Disciplinary actions for cheating in a course are at the discretion of the individual instructor. The instructor of that course will file a report with the Dean of Instruction when a student is caught cheating in the course, whether it be a workforce or academic course. The report shall include the course, instructor, student's name, and the type of cheating involved.

Students who are reported as cheating to the Dean of Instruction more than once shall be disciplined by the Dean. The Dean will notify all involved parties within fourteen days of any action taken.

### Classroom Conduct

I will show you the respect you deserve as a student. In return, I expect respectful behavior from you. Because the following actions cause disruption in the classroom and therefore affect the ability of students to learn, I have strict policies concerning them. Disrespectful behavior on your part will result in deductions from your class participation grade and will be subject to disciplinary action. **Disrespectful behavior includes...**

- **Leaving the room during class time without permission.** Plan restroom visits before or after class—not during class. If special needs exist, please make prior arrangements.
- **Sleeping in class.**
- **Talking/conversing during class lecture.** Class time is not the time to visit with your fellow classmates. Please respect me and others in class.
- **Use of profane or inappropriate gestures and/or language.**

### Grievance/Appeals

If you have a dispute concerning your grade or policies in this class, it is the student's responsibility to contact the instructor to discuss the matter. Should things remain unresolved, please follow the procedures described in the Clarendon College Student Handbook or College Policy Manual.

### Class Policies:

**1. Absences:** Please take class attendance seriously. You are here to learn all you can learn, to build a body of knowledge to help you in your career and/or to give you satisfaction in the future. Students who are motivated come to class. **You are responsible for the material covered in class (lecture or lab) even if you are absent due to extracurricular activities.**

*\*Unexcused absences will count against your class participation grade as discussed in the grading policies.*

**2. Excused absences:** Make-ups for tests will be allowed *only* if absences are excused. Excused absences can result from...

- illness on the part of the student
- severe illness or death in your *immediate* (not extended) family
- school sanctioned extracurricular events
- unfavorable weather conditions

**\*\*To be excused, your absence must comply with the situations described in the Student Handbook. You should make every effort to inform me *in advance* of the absence... don't just *assume* I will know you are gone with an extracurricular activity and *expect* that you will be allowed special circumstances... please make every effort to make arrangements.**

**3. Make-up work:** Late or unexcused work will not be accepted. Students who have excused absences **MUST** let me know ***before*** the test is given that we need to schedule a make-up.

**4. There will be NO make-up lab practicals.**

The take home message is: PLAN TO ATTEND ON THESE DAYS or make other arrangements with Mrs. Piper.

**5. Scholastic Honesty:** **I adhere to a strict policy regarding academic honesty. Anyone who is dishonest in any way will receive a zero on that assignment or exam with no opportunity to make up the zero.** That student, if allowed to remain in the course, will not be allowed to receive any extra credit points from the time of the infraction through the remainder of the course. Note that dishonest behavior includes both the act of copying someone else's work as well as allowing someone to copy your work. Both students are equally guilty and will be equally punished.

### **Accommodation Statement**

#### REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT:

In accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, any student who feels that he or she may need any special assistance or accommodation because of an impairment or disabling condition should contact the Associate Dean of Enrollment Services at 806-874-4837 / [janean.reish@clarendoncollege.edu](mailto:janean.reish@clarendoncollege.edu) or visit the Clarendon campus at Clarendon College. It is the policy of Clarendon College to provide reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to contact the Associate Dean of Enrollment Services.

### **Nondiscrimination Policy**

Clarendon College, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, sexual orientation, or veteran status.

It is the policy of Clarendon College not to discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation. Harassment of a student in class, i.e., a pattern of behavior directed against a particular student with the intent of humiliating or intimidating that student will not be tolerated. The mere expression of one's ideas is not harassment and is fully protected by academic freedom, but personal harassment of individual students is not permitted.

### **Dropping a Course:**

A student may drop any other course with a grade of "W" any time after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar. The request for permission to drop a course is initiated by the student by procuring a drop form from the Office of Student Services. (Refer to other policies concerning this issue in the current college catalog online.)

**\*\*Students who withdraw after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar will be assigned a grade of "W."**

**\*\*Last day to drop with a "W" on transcript in Spring 2026 is THURSDAY, April 9th.**

**Grading Policies:** You will receive one **letter** grade for **BIOL 2301**. Your grade will be calculated on a 100 percent scale and will come from five components: class participation & daily work, homework and daily quizzes, your lecture notebook, and lecture exams.

#### **DAILY WORK will count as 50%. This will consist of:**

**Class participation:** participation in class discussions and exercises assigned in class.

a. **\*\*If you choose not to participate in class discussions & classwork, you will receive no credit**

b. For every unexcused absence (either to lecture or lab) you will have 5 points deducted from your class participation grade.

**c. Discussion Posts will be part of your grade. These discussion questions will be posted in the classroom or in the Google Classroom**

**Homework (Reviews):**

a. You will be assigned homework as necessary to **help you prepare for class lectures and/or quizzes**. Sometimes the homework will be checked together as a class and a completion grade will be taken; other times, homework will be graded for an individual grade and/or a quiz will be given to assess the completion of homework and mastering the concepts.

b. Please realize the importance of completing homework that is assigned. Assignments are not intended to be *busy work*, but to help you get the most out of your reading or studying and to help you understand the material being covered.

c. **Article Review Forms** will be due once a six weeks. This homework is required and may be submitted through the Google Classroom.

### QUIZZES (daily):

- a. Any day that we take notes in class, you should study for a quiz the next day on material covered. Information covered on quizzes will also appear on exams. Most of these quizzes will be taken in your Google Classroom.
- b. I will drop the lowest quiz grade each six weeks.

### ARTICLE REVIEWS/Responses:

- a. You will be assigned an Article Review each six weeks.
- b. You are responsible for completing these reviews according to the guidelines posted.
- c. You will also respond, using the guidelines posted, to at least ONE other Article Reviews posted from other people in the classroom.
- d. These Article Reviews are to come from scientific journals or approved health/medical sources and you **MUST** cite your source for full credit. **Artificial Intelligence** created papers and Plagiarism will not be tolerated and papers that utilize plagiarism will receive a ZERO for this portion of your grade.

### 5. ASSESSMENTS will count as 50%:

- a. All lecture tests, including the final, will be weighted equally.
- b. Each test covers the material covered since the last test (not comprehensive).
- c. The tests will utilize a variety of question formats (objective, matching, multiple choice, true/false, etc.)
- d. You may be asked to take some of these exams in your Google Classroom.

You will also receive one **letter** grade for **BIOL 2102 (A&P Lab)**. Your grade will be calculated on a 100 percent scale and will come from three components: class participation & daily work, homework, and lab practical exams.

### DAILY WORK will count as 50%. This will consist of:

#### LAB participation:

- a. This grade comes from your participation in class discussions and exercises assigned in class.  
\*\*If you choose not to participate in lab discussions & classwork, you will receive no credit.
- b. For every unexcused absence you will have 5 points deducted from your class participation grade.

#### Homework/Projects:

- a. You will be assigned homework as necessary to **help you prepare for lab practicals**. Sometimes the homework will be checked together as a class and a completion grade will be taken; other times, homework will be graded for an individual grade and/or a quiz will be given to assess the completion of homework and mastering the concepts.
- b. Please realize the importance of completing homework that is assigned. Assignments are not intended to be *busy work*, but to help you get the most out of your reading or studying and to help you understand the material being covered.
- c. Lab Report Forms will be submitted weekly for a homework grade. These forms may be submitted through Google Classroom.

### ASSESSMENTS will count as 50%

#### Lab Practicals

- a. Four lab practicals will be given.
- b. Each practical will be weighted equally.
- c. Each test covers the material covered since the last practical (not comprehensive).
- d. The practicals will involve ...
  - i. identification of human anatomy in diagrams, models, and mannequins.

- ii. They will also involve identification of histology slides.
- iii. Students will also answer questions on human physiology as discussed in lab

**PROJECTS**

- a. You will have a choice board for a PROJECT each six weeks.
- b. You will have a RUBRIC/Guidelines to complete whichever project you choose.
- c. You will use reputable websites/sources for your project information. These may be scientific journals or approved health/medical sources and you MUST cite your source for full credit. Artificial Intelligence created information and Plagiarism will not be tolerated and projects that utilize plagiarism will receive a ZERO for this portion of your grade.

**\*\*DUE TO NEW CISD GRADING POLICY - Exams will count twice on the high school side to be weighed more heavily.**

**Grading Scale for the course:**

89.5% - 100%	A
79.5% - 89.4%	B
69.5% - 79.4%	C
59.5% - 69.4%	D
59.4% and below	F

**??For the high school grade the lecture and lab will be combined:**

**LECTURE EXAMS: 50%**

**LAB PRACTICALS: 20%**

**PARTICIPATION (DAILY WORK): 10%**

**HOMEWORK/DAILY QUIZZES: 15%**

**ARTICLE REVIEWS/PROJECTS: 5%**

\*\*\*\*\*

# Clarendon College/Childress High School

## BIOL 2302: Human Anatomy & Physiology II

### Class Contract

I, \_\_\_\_\_, have read the

syllabus for BIOL 2302 Human Anatomy & Physiology II taught during the SPRING 2026

semester by Jody Piper and agree to abide by the policies written in it. I understand

the policies of class attendance, lab attendance, dropping the course, academic honesty, and

general class behavior and understand the consequences of failing to comply with these

policies.

Student Signature Date: \_\_\_\_\_

**HUMAN A&P 2 and LAB Schedule (WEEKLY schedule posted in Google Classroom):**

\*Quizzes aren't guaranteed, but be prepared for a quiz from material covered at DAILY lecture.

<b>4th SIX WEEKS:</b> 27 days	<b>TOPICS COVERED:</b> Endocrine System, Blood, Heart	<b>LAB TOPICS:</b> Endocrine Research, Blood Typing, Heart Models and Dissection, Blood Vessel ID, Blood Pressure & Pulse Points
Week 1: Jan. 6th - Jan. 9th	Syllabus A&P II & Introduction The ENDOCRINE System Notes *DAILY QUIZZES	No A&P LABS this week
Week 2: Jan. 12th- Jan. 16th	The ENDOCRINE System *DAILY QUIZZES  Begin <b>BLOOD</b> Notes **Handout Exam I Review	Exercise 29: Blood Physiology & Histology **Blood Typing Simulation LAB
Week 3: Jan. 19th- Jan. 23rd	MONDAY - Student HOLIDAY  The Cardiovascular System: <b>BLOOD</b> *DAILY QUIZZES	BLOOD LABS
Week 4: Jan. 26th- Jan. 30th	Finish <b>BLOOD</b> *DAILY QUIZZES  *Review <b>EXAM I</b> <b>Endocrine &amp; Blood</b>	*Heart Diagram  Exercise 30: Anatomy of the Heart MODELS
Week 5: Feb. 2nd - Feb. 6th	The Cardiovascular System: <b>The HEART</b> *DAILY QUIZZES	** Dissection Mammalian Heart
Week 6: Feb. 9th - Feb. 13th	Finish: The Cardiovascular System: <b>HEART</b> **Handout Exam II Review  FRIDAY - Staff Development Day (Student Holiday)	Human Cardiovascular Physiology – Blood Pressure and Pulse Determination
<b>5th SIX WEEKS:</b> 28 days	<b>TOPICS COVERED:</b> Heart, Blood Vessels/Circulation, Lymphatic & Immune System, Respiratory start	<b>LAB TOPICS:</b> Blood Pressure, Pulse Points, Respiratory Anatomy & Physiology Models
Week 1: Feb. 16th- Feb. 20th	MONDAY, FEB. 16th STUDENT HOLIDAY! Cardiovascular System: <b>BLOOD VESSELS</b> and Circulation *DAILY QUIZZES	<b>LAB PRACTICAL #1 (Cardiovascular System)</b>

Week 2: Feb. 23rd- Feb. 27th	Cardiovascular System: <b>BLOOD VESSELS and Circulation</b> *DAILY QUIZZES  *REVIEW	Cat Dissection (Skinning if necessary)  Cat Dissection Exercise 1: Muscle identification
Week 3: Mar. 2nd- Mar. 6th	<b>Exam II (Heart &amp; Blood Vessels)</b>  The LYMPHATIC & IMMUNE System *DAILY QUIZZES **Exam III Review handout	Cat Dissection Exercises 2 & 3: Spinal nerves & endocrine organs  Cat Dissection Exercises 4 & 6: Blood vessels & respiratory system

Week 4: Mar. 9th- Mar. 13th	IMMUNE System  <b>Review</b> <b>*Exam III (Lymphatic &amp; Immune)</b>	Cat Dissection Exercises 7, 8, & Dig, Urinary, Reprod systems
MAR. 16th- 20th	<b>SPRING BREAK!</b>	<b>SPRING BREAK!</b>
Week 5: Mar. 23rd- Mar. 27th	Complete Cat Dissection	<b>FINISH &amp; REVIEW</b> <b>Cat Dissection</b>  <b>LAB PRACTICAL #2 (CAT PRACTICAL)</b>
Week 6: Mar. 30th- April 3rd	The RESPIRATORY System *DAILY QUIZZES FRIDAY April 3rd, STUDENT HOLIDAY!	Exercise 36 & 37: Anatomy & Histology of the Respiratory System  *Respiratory System Physiology
Week 7: April 6th- April 10th	MONDAY April 6th, STUDENT HOLIDAY! The RESPIRATORY System *DAILY QUIZZES **Exam IV Review Handout	Exercise 38: Anatomy & Histology of the Digestive System
<b>6th SIX WEEKS: 25 days</b>	<b>TOPICS COVERED: Digestive System, Urinary</b>	
Week 1: April 13th- April 17th	The DIGESTIVE System *DAILY QUIZZES	<b>Lab Review</b> <b>(Respiratory &amp; Digestive)</b>  <b>LAB PRACTICAL #3 (Respiratory &amp; Digestive)</b>

<p>Week 2: April 20th- April 24th</p>	<p>The DIGESTIVE System *DAILY QUIZZES</p> <p><b>REVIEW</b> <b>EXAM IV - Respiratory &amp; Digestive</b></p>	<p>Exercise 40: Anatomy &amp; Histology of the Urinary System</p>
<p>Week 3: April 27th- May 1st</p>	<p>URINARY SYSTEM *Final Exam Review Handout</p>	<p>Exercise 42: Anatomy &amp; Histology of the Reproductive System</p>
<p>Week 4: May 4th- May 8th</p>	<p>REPRODUCTIVE Notes</p>	<p><b>LAB PRACTICAL #4 - Urinary &amp; Reproductive Systems</b></p>
<p>Week 5: May 11th-15th</p>	<p><b>REVIEW</b> <b>May 12th - FINAL EXAM (Urinary &amp; Reproductive)</b></p> <p><b>FRIDAY - STAFF DEVELOPMENT (Student Holiday!)</b> <b>Wellington Graduation - May 15th!!</b> <b>Childress Graduation - May 22nd!</b></p>	