



*Alabama
Department of Postsecondary
Education*

Representing Alabama's Public Two-Year College System



**Lawson State Community College
Course Syllabus**

SEMESTER & YEAR: Spring 2008

COURSE TITLE: Human Anatomy & Physiology II with Lab

COURSE HOURS: 4 credit hours

CLASS MEETING DATES/TIMES/LOCATION:

Birmingham Campus: Lecture – Tuesday & Thursday 9:30-10:45am / C200;
Lab – Thursday 11:00 – 1:00pm / B125

INSTRUCTOR CONTACT INFORMATION:

Instructor's Name: Dr. Tracey Wilson

Office Location: Birmingham Campus, Academic Bldg.; Rm. C208

Office Telephone: 929-6482

Email Address: twilson@lawsonstate.edu

Web Address: www.drtracey.net; www.lawsonstate.edu

Office Hours: Tuesday 11:00 – 2:00 pm (C208, Birmingham)
Thursday 1:00 – 2:00 pm (C208, Birmingham)
Friday 11:00 – 12:00 pm (C208, Birmingham)

Contact Policy:

If you need to contact me for any reason please come by or call during my office hours. If you would like to meet with me outside of my office hours call or email me to set up an appointment. Feel free to email me anytime as I check my email several times every day, including weekends.

COURSE DESCRIPTION: Human Anatomy and Physiology II covers the structures, and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolytes, acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. (Laboratory is required)

PREREQUISITE(S)/CO-REQUISITE(S):

Prerequisite: BIO103, BIO201

Co-requisite: BIO202 lab

TEXTBOOK(S) AND OTHER LEARNING RESOURCES:

Anatomy and Physiology: The Unity of Form and Function by Kenneth Saladin – 4th Edition
(The textbook and lab manual are both required.)

BLACKBOARD: All Lawson State Community College students must be trained in Blackboard and use Blackboard daily to gain access to vital course information such as the syllabus, handouts, Power Point shows, activities, assignments, announcements, grades, etc. Failure to use Blackboard could severely damage your ability to pass the course. See the schedule book (inside cover) to determine when you can attend training (if needed). Students should always check the Blackboard announcements page prior to coming to class.

COURSE STUDENT LEARNING OUTCOMES (SLO's):

1. Students will be able to describe the overall structure and function of the nervous circulatory, lymphatic, immune, respiratory, urinary, digestive, reproductive systems.
2. Students will be able to explain the major anatomical subdivisions of the nervous system, the major components that make up the nervous system and the basic physiological properties of nerve cells that enable them to carry out their functions.
3. Students will be able to define *hormone* and *endocrine system*; list the major organs of the endocrine system; recognize the standard abbreviations for many hormones; name all endocrine glands and name the hormones produced by each; and state the effects and target organs of select hormones.
4. Students will be able to describe the structure, functions and major components of the circulatory system.
5. Students will be able to define and distinguish between the pulmonary and systemic circuits; describe the location, structure and function of the heart; trace the flow of blood

through the four chambers of the heart, the pulmonary and systemic circuits and back to the heart; interpret a normal and abnormal electrocardiogram;

6. Students will be able to describe the structure of a blood vessel; describe the different types of arteries, capillaries, and veins; explain the relationship between blood pressure, resistance, and flow; describe how blood pressure is expressed and how pulse pressure and mean arterial pressure are calculated; and identify the major arteries and veins within the human body.

7. Students will be able to list the functions of the lymphatic system; explain how lymph is formed and returned to the bloodstream; name the major types of cells in the lymphatic system and state their functions; describe the structure, types, and actions of antibodies; describe the pathology of immunodeficiency diseases, especially AIDS.

8. Students will be able to state the functions of the respiratory system; name and describe the organs of this system; trace the flow of air from the nose to the pulmonary alveoli; and explain how lung cancer begins, progresses, and exerts its lethal effects.

9. Students will be able to discuss the structure and functions of the urinary system and its organs; discuss the importance of electrolyte balance in the maintenance of organ system functions; discuss the causes and effects of electrolyte and acid/base level imbalances.

10. Students will be able to discuss the structure and functions of the digestive system and its organs; trace the path of food through the digestive tract; identify the organs of the digestive system.

11. Students will be able to discuss the structure and functions of the male and female reproductive systems and their organs; identify the organs of the reproductive system; describe the embryonic development of male and female genitalia; and discuss the female menstrual cycle.

CORE COMPETENCIES:

Check when completed	Date Completed	<p align="center">Core Competencies Guide Sheet (List Major Assignments, Exams, Written Work, Oral Presentations, Projects, Quizzes, Activities, etc...)</p>
		Lab Exercises: Introduction to the Nervous System; Spinal Cord and Spinal Nerves; Somatic Reflexes
		Theory Exam 1 - Nervous System I (Structure and function of neurons, neuroglia, spinal cord and spinal nerves; properties of neurons; electrophysiology; somatic reflexes)
		Lab Exercises: Brain and Cranial Nerves; ANS; Receptors
		Theory Exam 2 – Nervous System II (Structure and function of the Brain and Cranial Nerves; Autonomic Nervous System)
		Lab Exam 1 (Nervous System) – Identification (labeling) of the various parts of the brain, spinal cord, eye and ear
		Lab Exercises: Special Senses; Endocrine System
		Theory Exam 3 – Special Senses and Endocrine System
		Lab Exercises: Blood typing, measuring blood pressure; structure and function of the cardiovascular system
		Theory Exam 4 – Cardiovascular System
		Lab Exam 2 (Cardiovascular System) – Identification (labeling) of the heart, arteries and veins
		Lab Exercises: Lymphatics and Immune System; Urinary System
		Theory Exam 5 – Lymphatic and Immune System, Urinary System; Water, Electrolyte and Acid-Base Balance
		Lab Exercises: Respiratory and Digestive Systems
		Theory Exam 6 – Respiratory and Digestive Systems; Nutrition
		Lab Exercises: Reproductive System
		Theory Exam 7 – Reproductive System and Development
		Lab Exam 3 (Lab Final) – Identification (labeling) of the endocrine, urinary, respiratory, digestive and reproductive system’s organs
		COMPREHENSIVE FINAL EXAM

EVALUATION AND ASSESSMENT

The following list is a breakdown of how each student will be evaluated for final grade calculations at the end of the term:

- Lecture exams..... 30%
- Quizzes 10%
- Homework Assignments 5%
- Labs..... 15%
- Lab Exams..... 20%
- Comprehensive Final Exam... 20%

Lawson State Community College's Grade Breakdown:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
59% or below	F

ATTENDANCE

- a. Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for federal financial aid. Withdrawal from class can prohibit progression in nursing and allied health programs.
- b. **Lab attendance:** At the completion of most lab periods you will receive a grade for the work you completed during that lab. If you miss a lab period you will receive a zero for that week's lab and cannot make it up at a later date. For this reason it is important that you do not miss any labs. Missing just one or two labs will definitely affect your grade. If you know in advance that you will not be able to attend lab you must let me know in advance so I can arrange for you to complete the lab with another class on the same day.
- c. **Tardiness:** Students are expected to be in class on time. Any student that arrives after class is scheduled to start is considered tardy. Students who arrive 15 minutes after the scheduled start time will be considered absent. Therefore, if you are 15 minutes late on exam day you will be required to take a makeup exam. Also, if you miss a quiz because you are 2 minutes late, you will receive a grade of zero since quizzes cannot be made up.
- d. **Make-up Work:** Quizzes, Lab Exercises and Homework assignments must be submitted on time and cannot be made up. Students will be allowed to make up a missed exam during the next class meeting they attend **IF** the absence is excused. No makeup exam will be given more than 7 days after the missed exam. Although the make-up exam will be over the same material that was covered, make-up exams will likely be in a different format and more difficult than the exam given to the rest of the class.

STATEMENT ON DISCRIMINATION / HARASSMENT

The College and the Alabama Board of Education are committed to providing both employment and educational environments free of harassment or discrimination related to an individual's race, color, gender, religion, national origin, age, or disability. Such harassment is a violation of State Board of Education policy. Any practice or behavior that constitutes harassment is a violation of State Board of Education policy and will not be tolerated.

If you would like to file a harassment complaint, please contact an instructor, a Department Chair or a Dean immediately. Harassment, of any nature, is never tolerated and the College takes such charges seriously.

AMERICANS WITH DISABILITIES

The Rehabilitation Act of 1973 (Section 504) and the American with Disabilities Act of 1990 state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College. **Please contact the ADA representative**, Mrs. Renay Herndon, at 205-426-7335 (Bessemer campus) and Ms. Janice Williams at 205-925-2515 (Birmingham campus).

If you are an ADA student, it the obligation of the student to present your Accommodations paperwork to your instructor (for each class your are enrolled in). Ideally, this paperwork should be submitted at the beginning of the semester to enable best course support for you.

GRIEVANCE PROCEDURES: It is responsibility of every instructor at Lawson State, once notified of your accommodation, to provide those accommodations (if reasonable). Thus, if you are an ADA student and have presented your accommodations paperwork to your instructor, but feel you have not been accommodated for, it is your right to file a grievance. For more information about Grievance procedures, go to www.lawsonstate.edu and click on the Disability Services icon located on the main web page of the college.

COURSE CALENDAR:

Spring 2008
Human Anatomy & Physiology II
(Tentative) Lecture Schedule

Week of ...	Chapters	Content
January 7	Chapter 12	Nervous Tissue
January 14	“	“
January 21	Chapter 13	Spinal Cord, Spinal Nerves, and Somatic Reflexes
January 28	Exam 1	Chapters 12 - 13
January 28	Chapter 14	The Brain and Cranial Nerves
February 4	Chapter 15	The Autonomic Nervous System and Visceral Reflexes
February 4	Chapter 16	The Special Sense Organs
February 11	Exam 2	Chapters 14 - 15
February 11	Lab Exam	Nervous System (labeling)
February 18	Chapter 17	The Endocrine System
February 25	Exam 3	Chapters 16 - 17
February 25	Chapter 18	The Cardiovascular System: Blood
March 3	Chapter 19	The Cardiovascular System: The Heart
March 3	Chapter 20	Blood Vessels and circulation
March 10	Exam 4	Chapters 18 - 20
March 10	Lab Exam	Cardiovascular System (labeling)
March 10	Chapter 21	The Lymphatic System and Immune Systems
March 17	Chapter 24	Water, Electrolyte, and Acid-Base Balance
March 17	Chapter 23	The Urinary System
March 31	Exam 5	Chapters 21, 23 & 24
March 31	Chapter 22	The Respiratory System
April 7	Chapter 25	Digestive System
April 7	Chapter 26	Nutrition and Metabolism
April 14	Exam 6	Chapters 22, 25 & 26
April 14	Chapter 27	The Male Reproductive System
April 21	Chapter 28	The Female Reproductive System
April 21	Chapter 29	Human Development
April 28	Exam 7	Chapters 27 - 29
Thur. May 1	Lab Final Exam	Organ Systems (labeling)
Tues. May 6	Final Exam	Comprehensive

This is a tentative schedule; therefore, topics and exam dates are subject to change.

**SUBMIT THIS FORM TO YOUR INSTRUCTOR ELECTRONICALLY
VIA BLACKBOARD**

STUDENT ACKNOWLEDGEMENT FORM

The signing of this form below indicates that I have read the current syllabus for BIO202 and am satisfied that I understand its content and accept that I am entering into a binding contract.

The signing of this form also demonstrates that my instructor did review the syllabus with the class and did allow for a questioning/answering period.

Type Name

Type Date