

NORTHWEST FLORIDA STATE COLLEGE  
SCIENCE DEPARTMENT

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Course Title: **ANATOMY & PHYSIOLOGY II**      Course ID: **BSC1086C**      \_\_\_\_\_ Term \_\_\_\_\_  
Ref. Num.: \_\_\_\_\_      Days: \_\_      FWB campus, Science Bldg. 6 (46)      Room \_\_\_\_\_  
Start Date: \_\_/\_\_/\_\_      Ending Date: \_\_/\_\_/\_\_      Start Time: \_\_:\_\_      Ending Time \_\_:\_\_

Instructor: Dr. Lina R. Quiray  
Email:      QuirayL@nwfsc.edu      Office hours: after classes or by appointment  
Tel. No.      (850) 863-6524      FWB campus Faculty Center Bldg. 4, Room 404

Textbook: SEELEY'S ANATOMY AND PHYSIOLOGY, 10th Edition: VanPutte, Regan, Russo

Course Material: The textbook will be the framework of the course material and will be presented similarly. Chapters 17 through 29 will be the coverage. Materials from other sources presented in the lectures will also be used for exam purposes.

Grading Legend: Q = big Unit Exam / Quiz

There will be 4 Unit Exams. Make-up for the first 3 Unit Exams may be arranged with Ms. Shaffer at the Faculty Center after communicating the need with the instructor. There will be no make-up for the Final Exam Q4 and lab activities missed except for Histology exercises.

**Q1, Q2, Q3 and Q4** are Unit Exams, each weighing 50 Points. Chapters covered in the Exams are:  
**Q1:** Chapters 17-20      **Q2:** Chapters 21-23      **Q3:** Chapters 24-27      **Q4:** Chapters 28-29

An Individual Report on a relevant topic (disease, treatment, new research materials) must be written and presented in class. A minimum of 3 pages if single-spaced or 6 pages if double-spaced are required. The Individual Report weighs 50 Points.

Laboratory activities are given 25 points each for a total maximum of 250 points. Print your copy of the "A & P II Grade Sheet" at <http://faculty.nwfsc.edu/science/quirayl/> for point grading system.

**LABORATORY EXERCISES:** [1], [2], [3], [4a, 4b, 4c], [5a, 5b], [6a, 6b], [7a, 7b], [8], [9], and [10]

LAB 1

Histology of Endocrine System: Pituitary, Thyroid, Thymus, Adrenals, Pancreas  
Carousel and prepared slides  
"Hormone Hockey" to review hormone sources, target organs and functions

LAB 2

Histology and Circulation Pathway of the Heart including chambers and valves; pig heart dissection

LAB 3

Histology: carousel slides; prepared slides of Formed Elements of Blood

LAB 4a : Histology of Arteries, Veins and Capillaries

4b : Arterial circulation

4c : Venous circulation

\*Mental "MapQuest" : bring blood to and from any source organ passing through veins to the heart, arteries, destination organ, and veins back to the heart

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**LABORATORY EXERCISES** (continued)

LAB 5a : Blood Typing

LAB 5b : Organs of the Lymphatic System: lymph node, thymus, spleen

LAB 6a : Histology of Digestive System Organs

LAB 6b : Rat Dissection, part 1

LAB 7a : Histology of Urinary System

LAB 7b : Rat Dissection, part 2

LAB 8 : Practical test using "Move" System

LAB 9 : Histology of Male Reproductive Organs  
: Histology of Female Reproductive Organs

LAB 10 : Oogenesis  
Spermatogenesis  
Embryogenesis  
Clinical Applications: OB-GYN GPA : Gravida Para Abortion  
Obstetric History  
EDC : Expected Date of Confinement  
GENETICS: Punnett Square

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**Student Learning Outcomes**

Students will demonstrate the ability to critically examine and evaluate scientific observation, hypothesis, or model construction, and the use of scientific method to explain the natural world.

Students will successfully recognize and comprehend fundamental concepts, principles, and processes about the natural world.

**Student Rights, Responsibilities, and Academic Integrity**

Students are expected to familiarize themselves with all rules and regulations of the Northwest Florida State College. The NWFSO 2015-2016 Catalog can be accessed online at <http://catalog.nwfsc.edu/>. Students should know the rights and responsibilities detailed in the Student Handbook and adhere to all college policies and procedures, including those related to academic freedom, cheating, classroom conduct, computer/network/email use and other items in the Student Code of Conduct. Plagiarism, cheating, or other acts of academic dishonesty may trigger a failing grade or formal disciplinary action.

**Students with Disabilities**

For special needs and accommodations, register with Disability Support Services, located in the Niceville Campus, Student Services Center. For counseling, contact Tanya Fernandes: (850) 729-6079, email: fernandt@nwfsc.edu or go online: <http://www.nwfsc.edu/Students/StudentAffairs/Disability/>.

### **Incomplete Grades**

At the discretion of the instructor, an incomplete grade (“I”) may be awarded when the student is unable to finish the required work due to unforeseen extenuating circumstances such as illness or TDY assignment. To receive an “I” grade, the student must have successfully completed a significant portion of the required coursework and be able to finish the remaining work without attending class. An “I” grade will automatically convert to a grade of “F” if the student does not complete the remainder of the coursework by the established deadline.

### **Class Attendance**

Regular and prompt attendance in all classes is expected. It is the student’s responsibility to notify the instructor and arrange to complete any missed work. Students who stop attending class or are not able to pass the course due to attendance expectations stated in the syllabus may receive a failing grade of “FA.” An “FA” grade is a failing grade in GPA calculations and may impact the receipt of federal aid in subsequent courses.

### **Emergency College Closure**

In the event of unusual or extraordinary circumstances, the schedule, requirements, and procedures in this course are subject to change. If the college closes for inclement weather or other emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college re-opens. A revised schedule will be given at the first regular class meeting. If changes to graded activities are required, students will not be penalized due to adjustments but will be responsible for meeting the revised deadlines.

### **Cell Phone / Electronic Devices / Student Email / D2L**

Cell phones, pagers and other electronic devices must be turned off during classes and lab activities. Communication by electronic devices, including but not limited to instant messaging, text messaging, and telephone calls during class activities is prohibited unless expressly designated as part of the class learning activities. During exams, students will be required to temporarily deposit their cell phones or other electronic communication devices with the instructor or lab supervisor. If employment situations require immediate access to such electronic devices, arrangements with the instructor should be made in advance. Personal e-mail addresses will not be used to communicate with students. For any problems with your college e-mail, call the IT department at (850) 729-5396. For any technical difficulties with D2L, contact Learning Technologies department at <http://itech.nwfsc.edu/forms/studenthelpform.html>.

### **Participation, Attendance Documentation and Class Preparation**

Students are expected to engage with the subject matter from the book, ask questions, respond with answers and participate fully in the class session. There will be an attendance roster in each class session. Students are expected to have read the assigned readings/complete homework assignments before the class session. Lectures will cover highlights of the reading and include supplementary information. If you have trouble understanding what you read or hear, please ask for clarification in class or make an appointment to discuss the problem area(s).

### **Children in the Classroom**

Students may not bring children to class sessions. Health and safety concerns prohibit children from accompanying adult students in any lab or classroom where potential hazards exist.