**Biology 2401 & 2402: Human Anatomy and Physiology I & II**

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**Lecture Text:** Anatomy and Physiology 10th Ed. Seeley, Stephens, and Tate  
- **ISBN-10:** 0073403636  
- **ISBN-13:** 978-0073403632

**Lab Text:** Seeley’s Anatomy and Physiology 10th Edition. Eric Wise  
- **ISBN-10:** 0077421396  
- **ISBN-13:** 978-0077421397

**NOTE:**
I reserve the right to change syllabus content as circumstances dictate.

**PREREQUISITE**
Prerequisite: Biology 1408 is a mandatory prerequisite for this course. This prerequisite will only be waived if:  
- A student has taken High School Biology II Honors  
- Biology 30 (Canadian System)  
- Passes an exemption exam with a score of 70% or better. Contact the chairperson of the Science and Agricultural Division if you would like to take the exemption exam.

*Qualifier MUST be done within the 1st two class days*

**COURSE OBJECTIVES**
- Learn the basic architectural plan of the human body  
- Relate structure of human parts to function  
- Learn basic Biochemistry of the human body as it relates to function of specific:  
  - Cell types, tissues, organs, organ systems  
- Gain basic understanding of human development and heredity  
- Apply their knowledge of normal function of the human body to disorders or abnormalities.

**GRADING**
The cumulative grade is a compilation of lecture and laboratory.  
- **Lecture grade = 75%**  
  - 80% Exams  
  - 10% Attendance  
  - 10% Quizzes  
- **Laboratory grade = 25%**  
  - 60% Practical #1 & Practical #2  
  - 20% AP1 Organ System Presentation/AP2 Disease Presentation  
  - 10% Homework  
  - 10% Attendance
Grading Policy:
My Philosophy: The grade is not given, but earned by the student. This grade is a direct reflection of the student's mastery of the class material. Therefore there is NO extra credit or dropping of grades.

If an exam is missed, 1 make-up will be allowed. This exam will be an essay exam. It will cover the material that was missed.

Homework/Quizzes
- Lab Homework will be turned in the 1st 10 minutes of class, I DO NOT ACCEPT LATE WORK!
  - 10 points will be taken for each of the following
    a. Pages must be torn from the lab manual or copies of the correct pages must be made.
    b. Pages must be in chronological order and organized neatly
    c. Labeling must be consistent with lettering presented on the homework page (If words are inserted as answers instead of proper numbers or letters)

  ➢ IF YOU KNOW YOU ARE GOING TO MISS CLASS! You may turn in your homework via email or text but it must be turned in (time stamped) by the same time as the in class assignments are due. (1st 10 minutes of class)
- Quizzes are administered online (CONNECT website). They are timed and there is a time limit to get them completed. You are responsible for this.

Attendance Policy
Lecture & laboratory attendance is mandatory and a roll sheet will be handed out at the beginning of class. It is the student’s responsibility to sign in everyday of class. If it is not signed, the student is absent. If a student misses:
- 4- MW or 4- TR

They will be dropped from the course and a grade of "Q" will be given. A student is considered absent if they are not present when roll is taken. If you know in advance that you will miss a class, please contact the instructor.

Student Conduct & Disruptive Behavior
Your student handbook states “All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct”. Examples of prohibited acts on college property are:
- Scholastic dishonesty (“cheating”)
- Interference with teaching responsibilities through disorderly conduct or disruptive behavior. (This includes Cell Phones and Pagers!! Turn them OFF at the beginning of class.)
• If the student engages in any obscene, profane, reckless, destructive, or unlawful course of action, including assignments (if you turn in something that has profanity in it); I will drop you from the course immediately!
• Any student that fails to observe the correct standards of conduct outlined in the student handbook will be told to leave the class and will receive an absence for that day. Any student with chronic misbehavior will be dropped from the class.
• Excessive talking between students is considered disruptive behavior and the students involved will be instructed to leave the class. Excessive talking can result in the students involved being dropped from the class.
• DO NOT show up late for class, but if it is unavoidable, please be quiet when entering and DO NOT disrupt the class.
  o 3 tardies = 1 absence.
• Any student caught cheating on an exam will receive an immediate zero. Any student caught assisting another student with his or her exam will also receive an immediate zero. **NO cell phones are allowed during an exam!!!** If a student has a cell phone or is caught cheating a Zero will be given for the exam and no make-up will be allowed.
• Laboratory: Open toed shoes, shorts, and short skirts are not allowed in the lab at anytime. (This includes Practical days!)

These policies are strongly enforced.

GRIEVANCE PROCEDURE

Our primary concern is that all students are provided with a productive learning environment in which there is mutual respect. We believe the most productive learning environment is one in which the students feel comfortable enough to freely ask questions and exchange ideas. If you are ever harassed or insulted by another student, bring it to the instructor’s attention immediately.

If at any time during the semester you have a complaint or “point of concern”, notify the instructor immediately. If you do not feel that the situation can be resolved after bringing it to the instructor’s attention, you are encouraged to contact the Dean of Academics: Twila Johnson X2527
**AP1**

Lecture Content and Instructional Sequence

**Supplementary material will be provided before the material’s discussion**

Unit 1: Chapter 1-4 ➔ Exam #1
Unit 2: Chapter 5-6, 8 ➔ Exam #2
Unit 3: Chapter 11, 9 & 10 ➔ Exam #3
Unit 4: Chapter 12-14 ➔ Exam #4

Final Exam Schedule:
TBA

Laboratory Content and Instructional Sequence

Safety lecture and contract
Human Body: Organ Systems
Microscope/Cells and Mitosis
Tissues
Integumentary System
Bones and Joints

**Practical #1**

Muscle Microanatomy and Histology
Facial muscles
Arm muscles
Leg muscles
Torso Muscles
Neuron and Nervous system histology
Spinal cord and spinal nerves
Brain and Cranial nerves

** AP1 Presentations**

**Practical #2**

**AP2**

Lecture Content and Instructional Sequence

**Supplementary material will be provided before the material’s discussion**

Unit 1: Chapter 15-18 Exam #1
Unit 2: Chapter 19-21 Exam #2
Unit 3: Chapter 22-24 Exam #3
Unit 4: Chapter 26; 28-29 Exam #4

Final Exam Schedule:
TBA

Laboratory Content and Instructional Sequence

Safety Lecture and Lab Contract
Special Senses
Endocrine System
Cardiovascular System: Blood Tissue and Heart (Heart Dissection)
Cardiovascular System: Veins and Arteries (Cat Dissection?)
Lymphatic Tissue

**Practical #1**

Respiratory System
Digestive System
Urinary System
Reproductive System

** AP1 Presentations**

**Practical #2**