Anatomy and Physiology II Lab

*TENTATIVE* SYLLABUS – Updated After IRMA

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| WEEK OF CLASS | LECTURE TOPIC | TEST DATES & SPECIAL DATES | CHAPTERS/ PAGES |
| ~~Aug 28~~~~th~~ | ~~Intro/Microscope/Blood Cells~~ |  |  |
| ~~Sep 4~~~~th~~ | ~~Blood Tests~~ | ~~Holiday Monday Sep 4~~~~th~~ |  |
| ~~Sep 11~~~~th~~ |  |  |  |
| Sep 18th | Blood Tests Cont. |  |  |
| Sep 25th | Heart Model/Heart Dissection |  |  |
| Oct 2nd | Heart Physiology |  |  |
| Oct 9th | Heart Physiology | **Test 1** |  |
| Oct 16th | **Test 1** |  |  |
| Oct 23rd | Upper Blood Vessels |  |  |
| Oct 30th | Lower Blood Vessels |  |  |
| Nov 6th | Respiratory | Holiday November 10th |  |
| Nov 13th | Digestive |  |  |
| Nov 20th | Urinary and Reproductive Review | Holiday Nov. 22nd, 23rd, 24th |  |
| Nov 27th | **Final** | **Final** |  |

**INSTRUCTOR INFORMATION**

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| **Technical Lab Specialist, TLS:** | **Instructor of Record, IOR:** |
|  |  |
| **Email:** | **Email:** |
|  | **Office:** |
|  | **Phone:** |

**The Technical Lab Specialist (TLS)** or **Instructor of Record (IOR)** will facilitate the material, experiments, and exams developed and approved by Biology Department Faculty. The **TLS/IOR** will assist the students during experiments and technical applications. The **IOR** will report the grade the Student earns over the course of the semester. The **IOR** will issue any incompletes (I) or withdrawals (W) that are needed. The Student will email both the **TLS** and **IOR** with any concerns regarding the lab course. The **IOR/TLS** will respond to the Student within 48 hours.

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**COURSE DESCRIPTION**

This is the lab component for BSC 2094. Lab topics include Hematology, Cardiology, Respiratory, Digestive, Urinary and Reproductive including dissection of all major systems.

**PREREQUISITE/COREQUISITE**

Student must score into college level mathematics and reading on placement tests. BSC2093 lecture and BSC2093L with a passing grade.

**REQUIRED TEXTBOOK**

* BSC2093L ANATOMY & PHYSIOLOGY 2, 2nd ED. Indian River State College,

HAYDEN MCHEIL: ISBN 978-0-7380-9030-6

* **Additional Resources Available:** <http://biology-irsc.weebly.com>

**GRADES AND TESTS**

* 2 lab practical examinations (300 points total; No dropped test)
  + Test 1 (100 points)
  + Test 2 (200 points)
* Completion of homework assignments by individual deadlines (160 points total)
  + Two short writing assignments (100 points total)
    - Cardiac Homework questions and physiology lab results (50 points)
    - Urinary Write Up (brief description of the four conditions diagnosed in lab; 50 points)
  + Completion of blanks in your lab book (all blanks in your lab book; 60 points)
* Final grades are based on the percent of 460 points earned

**GRADES**

* A - 90% - 100% (414 POINTS)
* B - 80% - 89% (368 POINTS)
* C - 70% - 79% (322 POINTS)
* D - 60% - 69% (276 POINTS)
* F - below 60% (<276 POINTS)
* W = withdraw by published college deadline (November 30TH, 2017)
* I = an incomplete may be given to passing students in EXTREME cases

**PROPER ATTIRE**

PROPER ATTIRE is required for your protection. According to federal regulations, students are required to wear flat, closed-toe & closed-heel shoes in laboratory. The attire worn in the laboratory should include full coverage of legs (long pants or skirt), shirt with sleeves (not low cut and no bare midriff), hair restraints for long hair and no dangling jewelry.

**SUPPLIES**

* Dissection Kit (each student may not need one but each dissection group should purchase one)
* Gloves: Each Dissection group should get 1 box of gloves. This should be enough for the entire semester.
* Optional Supplies: goggles, mask, lab coat and Vick Vapor Rub for dissections.

**LAB HOMEWORK ASSIGNMENTS**

Homework consists of completing ALL blanks in your lab manual. This lab manual was designed specifically for your lab class so there is no extra information, you are responsible for everything in the lab book!

* Homework should be completed in your lab manual; your instructor will specify how they will check your homework.
* Homework is graded based on the point values for each assignment for a total of 60 points or 13% of your grade. (The two lab practical exams which are scored 300 points each make up the other 65% of the grade). You are expected to reasonably try and answer all questions in homework assignments. Questions skipped or answers that show no effort (complete random guesses) will result in no credit awarded.
* Homework must be handed in at the BEGINNING of the lab period specified by your instructor.
* The two “Reports” are worth 100 points out of 460 total points for the class (22% of your final grade)

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| --- | --- |
| ***Tentative Due Dates: week of***  ***(your instructor will tell you when they are due)*** | ***Assignments*** |
|  | *HW Test 1 (book) 30 points* |
|  | *Cardiology Questions 50 points* |
|  | *HW Test 2 (book) 30 points* |
|  | *Urinary Report 50 points* |

**COURSE OBJECTIVES and LEARNING OUTCOMES**

* Investigate the structure and functioning of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems and relate them to the laboratory experience
* Apply problem solving, analytical, and communication skills based on the scientific method that will provide the foundation for lifelong learning and career development by explaining the importance of each aspect in the maintenance of homeostasis in the human body and investigating the counterpart of normal function as leading to pathological problems.
* Make use of technology to organize, acquire, and convey information relevant to the biological sciences.

**CHEATING**

* No cheating, of ANY kind, including plagiarism, will be tolerated by this department. Any student caught cheating will receive an immediate F in the course (no withdrawal allowed.)

**MAKE-UP POLICY**

Students must take their lab exams with their lab section at the assigned time. Students unable to attend the scheduled exam must notify their instructor as soon as possible and arrange to take a make-up test during the last week of scheduled exams of the semester. If a student misses the final exam, they will be issued an incomplete for the course if they are currently passing the course; if they are not currently passing the course, the missed final will count as a zero.

**ATTENDANCE**

Students are expected to be present in lab in order to accomplish the learning goals for the lab practical examinations.  **Five points will be taken off for EACH** **lab class missed; absences will be assessed on EACH exam.  Students will** **receive 1 free absence per semester.** For example, if you miss two labclasses during the semester, one before Practical 1 and one after Practical 2, 5 pointswould be deducted from your score on EACH OF THOSE TESTS.

**EXTRA CREDIT**

No extra credit is given.

**LIBRARY AND ON-LINE REFERENCE MATERIALS**

The **Miley** **Library** serves as IRSC's main library.  There are extensive online database systems also available through IRSC’s website [www.irsc.edu](http://www.irsc.edu) .Academic Support Centers are located at each of our five main campuses. They provide support personnel to assist you with tutoring and finding support materials. The phone numbers for each and their hours of operation also may be found through IRSC’s website.

**DISABILITIES POLICY**

Indian River State College provides reasonable accommodations to students with documented disabilities through the Educational Services Division / Student Disability Services Office. The rights of students with disabilities which pertain to post-secondary education are provided under **Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990.** These laws prohibit discrimination by institutions to "otherwise qualified" students with disabilities. This enables such students to have an equal opportunity to benefit from the education offered by those institutions.

**DISCRIMINATION POLICY**

Indian River State College does not discriminate on the basis of race, color, national origin, ethnicity, sex, religion, age, disability, sexual orientation, marital status, veteran status or genetic information in its programs and activities.

If you are experiencing difficulty in your course, your first obligation is to work directly with your instructor to resolve the issue. If you are unable to settle your concerns with the assistance of your instructor, you can contact the Department Chair (Dr. Jennifer Capers, x7556), who will assist you or advise you about contacting the Academic Dean (Dr. Paul Horton, x7503) or Vice President (Dr. Marta Cronin, x7215).