Anatomy and Physiology I Lab

*TENTATIVE* SYLLABUS

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| WEEK OF CLASS | LECTURE TOPIC | TEST DATES & SPECIAL DATES | CHAPTERS/ PAGES |
| Aug 28th | Epithelial Tissue |  | **1 – 20** |
| Sep 4th | Connective Tissue & Muscle | Holiday Monday Sep 4th | **21 – 45** |
| Sep 11th | Nervous tissue, Integument system |  | **46 – 52** |
| Sep 18th | Skull (after test) | **Test 1 (1-52)** |  |
| Sep 25th | Axial & appendicular skeleton |  | **53 – 75** |
| Oct 2nd | Axial & appendicular skeleton |  | **76 – 108** |
| Oct 9th | Muscles of the head (after test) | **Test 2 (53-108)** |  |
| Oct 16th | Muscles of head, neck, trunk |  | **109 – 123** |
| Oct 23rd | Muscles of extremities |  | **124 – 136** |
| Oct 30th | Neuron (after test) | **Test 3 (109-136)** |  |
| Nov 6th | Brain & Cranial nerves | Holiday November 10th | **137 – 161** |
| Nov 13th | Eye, Ear |  | **137 – 161** |
| Nov 20th | Review 20th and 21st | Holiday Nov. 22nd, 23rd, 24th | **162 – 180** |
| Nov 27th |  | **Test 4 (137-180)** |  |

**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.

**COURSE DESCRIPTION**

This is the lab component for BSC 2093. Lab topics include histology, the integument, skeletal, muscular, and nervous system.

**PREREQUISITE/COREQUISITE**

Student must score into college level mathematics and reading on placement tests. BSC 2010 & BSC 2010L/BSC2093

**REQUIRED TEXTBOOK**

* BSC2093L ANATOMY & PHYSIOLOGY 1, 2nd ED. Indian River State College,

HAYDEN MCHEIL: ISBN 978-0-7380-8644-6

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

**TESTS**

* 4 lab practical examinations (400 points total: No dropped test)
* Completion of homework assignments by individual deadlines (60 points total)
* 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.

**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 four lab practical exams which are scored 100 points each make up the other 87% 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.

If a student is absent, and has a legitimate reason for the absence, he/she may hand in the assignment at the beginning of the next lab class attended. Notification of the instructor of the reason for the late submittal must be provided at that time.

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| ***Tentative Due Dates: week of***  ***(your instructor will tell you when they are due)*** | ***Assignments*** |
|  | *PAGES 1-52* |
|  | *PAGES 53-108* |
|  | *PAGES 109-136* |
|  | *PAGES 137-180* |

**COURSE OBJECTIVES**

1. To provide an understanding of structure and function of the cell
2. To examine tissues with respect to their specific structure, locations in the human body, and normal physiology
3. To investigate the structure and function of the integument and the muscular, skeletal, and nervous systems.
4. To explain the importance of each aspect in the maintenance of homeostasis in the body
5. To present the counterpart of normal function as leading to particular pathological problems

**STUDENT LEARNING OUTCOMES**

Upon completion of BSC2093L, Anatomy & Physiology I Lab, students will be able to:

* Communicate major anatomical and physiological concepts and relate how these are connected within various areas of the biological sciences in a laboratory setting.
* Apply problem solving, analytical, and communication skills based on the scientific method that will provide the foundation for lifelong learning and career development.

MEANS OF ACCOMPLISHING OUTCOMES:

* Methods of instruction: Laboratory experiments, class discussions and/or interactions, assignments, and laboratory practical exams.

**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).