# Honors Human Morphology & Function 1 Lab PCB3703L

**Fall 2016 Syllabus**

Instructor/TA: April Schimmel/Priyanka Kakad Lab Time: Monday 1:00-3:50 or Contact: Phone no: 561-277-8070 Tuesday 1:00-3.50

Email: [pkakad@fau.edu](mailto:pkakad@fau.edu)

Office: MC-19, Room 208 Lab Location: HC 165 Office Hours: Wednesday 10:00-12:00

## Description:

This 1-credit course has been designed to study the organization of the human body from the cellular to the organ and system levels. These exercises have been selected to illustrate and enhance the material presented in the lecture course. A dissection component is required for successful completion of this course; we will be examining details of anatomy using preserved cats and other mammals. The course prerequisites are BSC1010, 1010L, 1011, 1011L, CHM2210, 2211. The co- requisite is Human Morphology & Function 1 PCB3703 OR Honors Human Morphology & Function 1 BSC4930.

## Required materials:

Marieb, E. N. 2014. *Human Anatomy and Physiology Laboratory Manual, Cat version, 12th Edition*. Glenview: Pearson Education, Inc. (you do not need PhysioEx CD)

**Note of Honors Distinction:**

## This course differs substantially from the non-Honors version. The research and writing components of the course will prepare students for work on the Honors Thesis. Most importantly, this course will reflect the interdisciplinary nature of Honors education and will inculcate critical attitudes and skills that will teach you how to learn for yourself.

## Attendance and Make-up Policy:

Attendance is required and mandatory. You are only allowed to miss one lab. Two unexcused absences will cause you to fail the course. Punctuality is important and could seriously affect your grade. Please be on time for class. If it is necessary to miss a lab, you must notify me within 24 hours of the lab session. All excused absences will require written documentation and must be verifiable. To make up a missed lab, contact me immediately. An unexcused absence will result in points being deducted from your raw score (PPP variable...see grading policy). If you miss a second lab, one of two things will happen. If it is an excused absence AND you are maintaining a passing grade at the time, you will receive an "I". In this case you must make up those labs in a subsequent course in order to receive credit. If your second absence is unexcused, OR if you are not maintaining a passing grade at the time, you will receive an "F" for the course.

## Policy on Accommodations:

In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations to properly execute coursework must register with Student Accessibility Services (SAS)  -- in Boca Raton, SU 131 (561-297-3880); in Davie, LA 131 (954-236-1222); in Jupiter and all Northern Campuses, SR 111F (561-799-8585) – and follow all SAS procedures.

## Laboratory Rules:

You are responsible for maintaining a clean lab bench area. All supplies including microscopes must be returned to their original position prior to the end of each lab. Please notify me if slides or equipment are broken. There will be no penalty unless carelessness is obvious.

Shoes must be worn at all times in the lab......***no sandals***. **Read the Laboratory Safety guidelines in the lab manual.**

## Academic Integrity Policy:

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university’s mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 at the following address: <http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf>

## Grading Policy:

There will be 7 quizzes given on designated days. If you have an unexcused absence, you will get a zero for that quiz. If you have an excused absence, you may make up the quiz at a determined time best for the both of us. The quizzes are worth 40 points each. There will be 3 practical exams worth 150 points each. Punctuality, performance, and participation (PPP) are worth 50 points, which means up to 5 points per lab can be deducted for punctuality problems, leaving early, lack of participation, or not being prepared for lab. PPP points will not be given on practical days.

Your grade is determined by dividing your raw points by 780 (the total number of possible points). The following scale will be used:

Percentage Grade

93-100 A

90-92 A-

87-89 B+

83-86 B

80-82 B-

77-79 C+

73-76 C

70-72 C-

67-69 D+

63-66 D

60-62 D-

00-59 F

## Course Objectives:

The Human Morphology & Function 1 Lab is designed to provide a comprehensive survey of the structure and function of the human body. The interrelationship between structure and function and the importance of homeostasis are significant unifying themes throughout the study of the major organ systems. The laboratory course consists of limited lecture time, usually restricted to lab directions, and cooperative completion of lab exercises.

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| **Syllabus:** Dates 8/29&30  9/5&6  9/12&13 | Topic  Intro, Safety, Microscope, Terminology  **Labor Day – NO LABS**  Cells, Tissues and Membranes | Chapter(s) 1, 3  --  4, 6 | Quiz  -------  -------  Quiz 1 |
| 9/19&20 | Integumentary System | 7 | Quiz 2 |
| 9/26&27 | Skeletal System:  Structure of Bones & Cartilages Axial Skeleton | 8, 9 | Quiz 3 |
| 10/3&4 | Skeletal System: Appendicular Skeleton | 10, 11 | Quiz 4 |
| 10/10&11 | **Fall Break – NO LABS** | -- | ------- |
| 10/17&18 | **Midterm Practical Exam #1** | -- | ------- |
| 10/24&25 | Muscular System:  Muscle Anatomy & Organization Muscles of the Head & Neck | 12, 13 | ------- |
| 10/31&11/1 | Muscular System:  Muscles of the Trunk, Arms & Legs | 13 | Quiz 5 |
| 11/7&8 | **Midterm Practical Exam #2** | -- | ------- |
| 11/14&15 | Nervous System:  Histology of Nervous Tissue Brain & Cranial Nerves | 15, 17 | ------- |
| 11/21&22 | Nervous System:  Spinal Cord & Spinal Nerves | 19 | Quiz 6 |
| 11/28&29 | Special Senses: General Sensation Vision  Hearing & Equilibrium Olfaction & Taste | 22, 23, 24, 25, 26 | Quiz 7 |
| 12/5&6 | **Final Practical Exam #3** | -- | ------- |

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