

FLORIDA ATLANTIC UNIVERSITY™

Undergraduate Programs—NEW COURSE PROPOSAL ¹

UUPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT BIOLOGY	COLLEGE HONORS COLLEGE
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RECOMMENDED COURSE IDENTIFICATION (TO OBTAIN A COURSE NUMBER, CONTACT ERUDOLPH@FAU.EDU) PREFIX <u>PCB</u> COURSE NUMBER <u>3703</u> LAB CODE (L or C) _____ COMPLETE COURSE TITLE: HONORS Human Morphology & Function 1	EFFECTIVE DATE (first term course will be offered) _____
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CREDITS ² 3	TEXTBOOK INFORMATION SEE SYLLABUS
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GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN THREE LINES: NORMAL STRUCTURE AND PHYSIOLOGY OF THE HUMAN SKELETAL, MUSCLE, AND NERVOUS SYSTEMS. LECTURE FORMAT. DESIGNED FOR THE PRE-PROFESSIONAL STUDENT PLANNING ADMISSION INTO A GRADUATE CLINICAL PROGRAM.

PREREQUISITES W/MINIMUM GRADE* BSC 1010, 1010L, 1011, 1011L CHM2210, 2211 MINIMUM GRADES OF C	COREQUISITES* PCB 3703L	REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)* HONORS COLLEGE
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*** DEFAULT MINIMUM PASSING GRADE IS D-. PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE**

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PHD IN BIOLOGY OR RELATED FIELD

WAC/GORDON RULE COURSE ³ YES _____ NO <input checked="" type="checkbox"/> _____ WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. Guidelines: www.fau.edu/WAC	GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION) ⁴ <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Written Communication</td> <td><input type="checkbox"/> Society/Human Behavior</td> </tr> <tr> <td><input type="checkbox"/> Math/Quantitative Reasoning</td> <td><input type="checkbox"/> Global Citizenship</td> </tr> <tr> <td><input type="checkbox"/> Science/Natural World</td> <td><input type="checkbox"/> Humanities</td> </tr> </table> General Education criteria must be indicated in the syllabus and approval attached to proposal. Guidelines: www.fau.edu/ugstudies/GeneralEdCourseApprovalRequests.php	<input type="checkbox"/> Written Communication	<input type="checkbox"/> Society/Human Behavior	<input type="checkbox"/> Math/Quantitative Reasoning	<input type="checkbox"/> Global Citizenship	<input type="checkbox"/> Science/Natural World	<input type="checkbox"/> Humanities
<input type="checkbox"/> Written Communication	<input type="checkbox"/> Society/Human Behavior						
<input type="checkbox"/> Math/Quantitative Reasoning	<input type="checkbox"/> Global Citizenship						
<input type="checkbox"/> Science/Natural World	<input type="checkbox"/> Humanities						

Faculty contact, email and complete phone number: Brenda.claiborne@fau.edu 561-400-3184	Please consult and list departments that might be affected by the new course and attach comments. ⁵
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Approved by Department Chair: _____ College Curriculum Chair: _____ College Dean: _____ UUPC Chair: _____ Undergraduate Studies Dean: _____ UFS President: _____ Provost: _____	Date _____ _____ _____ _____ _____	<ol style="list-style-type: none"> 1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo 2. Review Provost Memorandum: Definition of a Credit Hour www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf 3. WAC approval (attach if applicable) 4. Gen. Ed. approval (attach if applicable) 5. Consent of affected departments (attach if applicable)
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Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

Honors Human Morphology and Function 1
BSC 4930, Section 001
3 credit hours
Jupiter Campus
Harriett L. Wilkes Honors College, Florida Atlantic University

Fall Term 2015
Course Syllabus

Class meetings: Days/time: Tuesdays and Thursdays, 11:00 am to 12:20 pm
Location: Admin Classroom Building, Room 103, Jupiter Campus

Instructor: Brenda J. Claiborne, Ph.D.
Professor, Department of Biological Sciences
Email: brenda.claiborne@fau.edu (preferred contact method)
Phone: 561-400-3184
Office (for office hours): Building MC 17, Room 209
Office Hours: Wednesdays 1:30 to 4:30 pm and by appointment

Course Description: Normal structure and physiology of the human skeletal, muscle, and nervous systems. Lecture format. Designed for the pre-professional student planning admission into a graduate clinical program.

Prerequisites: Successful completion of two-semester general biology sequence (BSC 1010, BSC 1010L, BSC 1011, BSC 1011L), and general chemistry I and II (CHM 2210 and CHM 2211).

Co-requisite: PCB 3703L.

Required Texts: Please note that paper copies of both textbooks are required for in-class exercises. You will be able to access eTexts after you purchase the books.

- 1) Title: **Human Anatomy - Books a la Carte Plus Mastering A&P with eText – Access Card Package**

Students: Be sure to purchase the 8th Edition with the ISBN number below because some versions do not include Mastering A&P with the eText. To access the eText, follow the instructions on the Student Access Code Card that comes with the book. The Course ID is CLAIRBORNE2015.

Edition: **8th Edition**

ISBN: **9780321909954**

Authors: Martini, Timmons and Tallitsch

Publisher: Pearson (Benjamin Cummings)

Publication Date: 01/24/2014

- 2) Title: **Guyton and Hall Textbook of Medical Physiology**

Students: You will receive access to the eText when you purchase the 13th Edition with the ISBN below; see access code inside the front cover.

Edition: **13th Edition**

ISBN: **9781455770052**

Author: Hall

Publisher: Elsevier Health Sciences

Publication Date: 06/15/2015

Course Objectives: The overall objectives of this course are for students to understand the basic structural and functional components comprising the human body and how anatomical and physiological systems interact to maintain homeostasis. More specifically, in Human Morphology and Function 1, students will be expected 1) to learn the correct terminology for tissues and the integumentary, skeletal, muscle and nervous systems; 2) to understand how each functions and contributes to overall health; and 3) to comprehend how injury and disease can disrupt homeostasis.

Attendance: Students are expected to attend all classes and participate in activities and discussions which will help them understand the course material. Although attendance is not formally required, students should note that quizzes, in-class activities or exams will take place in the majority of class periods. If a student misses a class, the student is responsible for all material covered during that class, including lecture and discussion material and any changes to the course schedule. If a student must miss a class, it is suggested that the student arrange to obtain class notes and announcements from another student.

As per FAU policy, students will not be penalized for absences due to participation in University-approved activities, including athletic or scholastic teams, musical and theatrical performances, and debate activities. Reasonable accommodation will also be made for students participating in a religious observance. Students must meet with the instructor and give documentation in advance to be absent for these activities.

Electronic Devices: University policy states that “In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions.” In this class, any use of cell phones or other communication devices is not allowed during active class times. (A ringing or vibrating device is included in the definition of “use of an electronic device”, as is checking email or accessing the web.) If a student uses a communication device during active class time, the student will be required to leave the class for the remainder of that class period and will receive a zero for any in-class activities/quizzes/exams that he/she may miss.

Ethical Standards: 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 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: http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf. In addition, all Wilkes Honors College students must adhere to the honors code, available online at: http://www.fau.edu/divdept/honcol/academics_honor_code.htm

Accommodations for Disabilities: In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) – in Jupiter, SR 139 (561-799-8698) – and follow all OSD procedures.

Honors Human Morphology and Function 1, Section 001: Schedule for Fall 2015

Date	Tues/ Thurs	Quiz or Exam*	Topic for Lecture and Discussion	Readings**
Aug 18	T		Introduction to Anatomy and Homeostasis	HA: 1-26; G: 3-10
Aug 20	Th		“	“
Aug 25	T		Tissues	HA: 49-85
Aug 27	Th		“	“
Sept 1	T	Quiz 1	Transport through Cell Membranes	G: 47-59
Sept 3	Th		Integumentary System	HA: 86-108
Sept 8	T	Quiz 2	“	“
Sept 10	Th		“	“
Sept 15	T	Exam 1	Exam 1 covers Aug 18 through Sept 10	
Sept 17	Th		Structure of Bone	HA: 109-115
Sept 22	T		Bone Development and Growth	HA: 115-122
Sept 24	Th		Bone Maintenance and Repair; Skeletal Elements	HA: 122-132
Sept 29	T	Quiz 3	Articulations	HA: 207-217
Oct 1	Th		Muscle Structure	HA: 239-246
Oct 6	T		Muscle Contraction	HA: 247-250; G: 75-88
Oct 8	Th		“	“
Oct 13	T	Quiz 4	Neural Control of Skeletal Muscle Contraction	G: 89-96
Oct 15	Th		Neural Tissue	HA: 344-365
Oct 20	T	Exam 2	Exam 2 covers Sept 17 through Oct 15	
Oct 22	Th		Membrane Potential and Action Potentials	GA:61-74
Oct 27	T	Quiz 5	Synaptic Transmission	GA: 577-593
Oct 29	Th		Brain and Cranial Nerves	HA: 410-456
Nov 3	T	Quiz 6	“	“
Nov 5	Th		Autonomic Nervous System	HA: 457-476; G: 773-780
Nov 10	T	Exam 3	Exam 3 covers Oct 22 through Nov 5	
Nov 12	Th		General Senses, Olfaction and Gustation	HA: 477-485; G: 685-690
Nov 17	T		Vestibular and Auditory Systems	HA: 486-497; G: 673-679
Nov 19	Th		Visual System	HA: 497-508; G: 647-660
Nov 24	T		Review – Last day of Class	
Nov 26	Th		No Class – Thanksgiving Holiday	
Dec 1	T		No Class - Reading Day	-
Dec 3	Th		No Class – Final Exam Period	
Dec 8 (10:30 am to 1 pm)	T	Final Exam	Comprehensive Final Exam covers all material presented during the semester, with emphasis (30%) on material covered after Exam 3. Note the exam starts promptly at 10:30 am.	
			<p>* Please note that all quizzes and exams will be given at the beginning of the class period, starting promptly at 11 am. Quizzes will cover the material from the preceding two classes. (For example, Quiz 1 will cover the material for Aug 25 and 27.) Any student who arrives late will not be allowed to take the quiz or exam if any other student who has seen the exam or quiz has left the classroom.</p> <p>** HA: Human Anatomy; G: Guyton and Hall Medical Physiology; Readings are to be completed before the class period.</p>	

Grading Policies: A student's course grade will be based on quizzes, class participation, presentations, three exams and a final exam. Quizzes and exams will consist of short answer questions. All students will be expected to use proper grammar, to write legibly and to spell words and terms correctly in order to receive credit for an answer.

Lowest Quiz Score: There will be 6 quizzes but only 4 will be included in the calculation of the course grade. The instructor will automatically drop the two lowest quiz scores for each student. If a student misses one or two quizzes, then these will be the scores that will be dropped. There will no make-ups for quizzes.

Make-ups: Make-up exams will be given only as allowed by University policy or in extreme circumstances. Extreme circumstances are limited to serious illnesses, hospitalizations, military service, or death of an immediate family member; any such instance will require documentation.

Extra Credit: "Extra credit" assignments will not be given in this class as the objective of the course is to understand the required material.

Incompletes: As per University policy, grades of Incomplete ("I") are reserved for students who are passing a course but have not completed all the required work because of exceptional circumstances. For this class, if a student is unable to complete the required coursework because of a serious illnesses, hospitalization, military service, or death of a family member, the student can request a grade of Incomplete. The awarding of an "I" (Incomplete) will be granted only in exceptional cases; the decision will be made either solely by the instructor or in consultation with the Associate Dean.

Withdrawal from Class: It is the responsibility of the student to withdraw from this class, should that status be desired. The instructor will not give the grade of "I" in lieu of a grade of "D" or "F".

Course Grade: Points

Quizzes (4 at 10 points each)	40 points
Class participation	40 points
Presentation	20 points
Exam 1	100 points
Exam 2	100 points
Exam 3	100 points
<u>Cumulative Final Exam</u>	<u>100 points</u>
Total	500 points

Course Grade: Letter Grades

A	90 - 100%
B+	87 - 89%
B	80 - 86%
C+	77 - 79 %
C	70 - 76%
D+	67 - 69%
D	60 - 66%
F	<60%