

FLORIDA ATLANTIC UNIVERSITY™

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 MISC _____

Graduate Programs—COURSE CHANGE REQUEST

DEPARTMENT NAME: BASIC SCIENCE	COLLEGE OF: BIOMEDICAL SCIENCE
COURSE PREFIX & NUMBER: BMS 6104C	CURRENT COURSE TITLE: HUMAN GROSS ANATOMY - EXTREMITIES

CHANGE(S) REQUESTED

<p>SHOW "X" IN FRONT OF OPTION</p> <p><input checked="" type="checkbox"/> CHANGE CREDITS FROM 3 TO: 4</p> <p>CHANGE GRADING FROM _____ TO: _____</p> <p>CHANGE PREREQUISITES TO: _____</p> <p>CHANGE MINIMUM GRADE TO: _____</p> <p>CHANGE COREQUISITES TO: _____</p> <p>CHANGE OTHER REGISTRATION CONTROLS TO: _____</p> <p>OTHER _____</p>	<p>SHOW "X" IN FRONT OF OPTION</p> <p>CHANGE PREFIX FROM _____ TO: _____</p> <p>CHANGE COURSE No. FROM _____ TO: _____</p> <p><input checked="" type="checkbox"/> CHANGE TITLE TO: INTEGRATED MORPHOLOGY 2</p> <p><input checked="" type="checkbox"/> CHANGE DESCRIPTION TO:</p> <p>This course involves the gross anatomical features of the structures of the back, limbs, head, and neck of the human. A laboratory will include a cadaveric dissection experience.</p>
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CHANGES TO BE EFFECTIVE (TERM):

SUMMER 2010

Will the requested change(s) cause this course to overlap any other FAU course(s)? If yes, please list course(s).
 YES NO X

Attach syllabus for ANY
changes to current course information.

Any other departments and/or colleges that might be affected by the change(s) must be consulted. List entities that have been consulted and attach written comments from each.

TERMINATE COURSE, EFFECTIVE (GIVE LAST TERM COURSE IS TO BE ACTIVE):

Faculty Contact, Email, Complete Phone Number:
 Deborah Cunningham Ph.D., dcunni11@fau.edu, tel: 297-2302
 Willis Paull Ph.D., wpaul1@fau.edu, tel: 297-1024

SIGNATURES

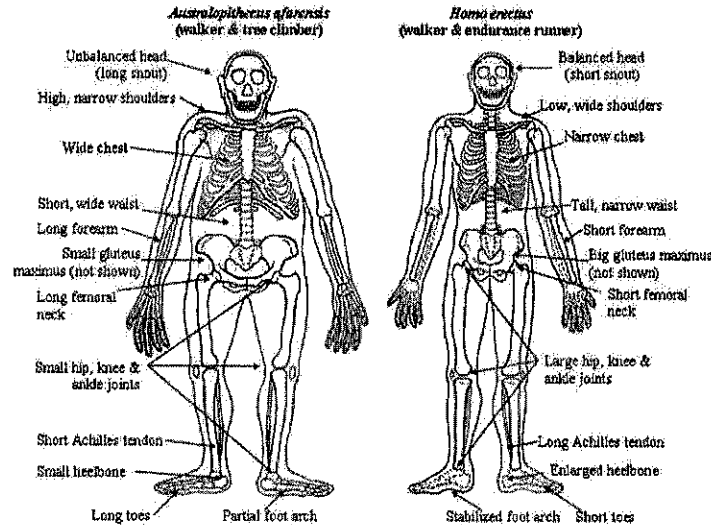
SUPPORTING MATERIALS

<p>Approved by: _____</p> <p>Department Chair: _____</p> <p>College Curriculum Chair: _____</p> <p>College Dean: _____</p> <p>UGPC Chair: _____</p> <p>Dean of the Graduate College: _____</p>	<p>Date: _____</p> <p style="text-align: center;">3-16-10</p> <p style="text-align: center;">3-16-10</p> <p style="text-align: center;">3-16-10</p> <p>_____</p> <p>_____</p>	<p>Syllabus—must include all criteria as detailed in UGPC Guidelines.</p> <p>Go to: http://graduate.fau.edu/gpc/ to access Guidelines and to download this form.</p> <p>Written Consent—required from all departments affected.</p>
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Email this form and syllabus to diamond@fau.edu and eqirjo@fau.edu one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.

Integrated Morphology 2

Florida Atlantic University, Summer 2009



Course Number: BMS 6104C
Pre-requisites: Graduate student status; Instructor permission required
Co-Requisites: None

Instructor:

Deborah Cunningham, Ph.D.

E-mail: deborah.cunningham@fau.edu

Office hours: Monday and Wednesday, 1:00 – 3:00 p.m. and by appointment

Office phone number: 561-297-2302

BC 71, Room 209

Meeting Time & Place:

MW 8:00 – 12:20 / BC 130

Laboratory sessions held upstairs in the 4th floor gross lab

Required Texts / Learning Materials:

Moore & Agur; Essential Clinical Anatomy; ISBN 0-7817-6274

Netter; Atlas of Human Anatomy; ISBN 1-4160-3385-1

There will be additional readings posted as pdf files on Blackboard

Bibliography (Supplemental Materials):

Aiello L & Dean C (1990). An Introduction to Human Evolutionary Anatomy. New York: Academic Press.

Feinberg, David R. (2008). Are Human Faces and Voices Ornaments Signaling Common Underlying Cues to Mate Value? *Evolutionary Anthropology* 17:112–118

Langdon JH (2005). *The Human Strategy: An Evolutionary Perspective on Human Anatomy*. New York: Oxford University Press.

Pouydebat, Emmanuelle, Philippe Gorce, Yves Coppens, Vincent Bels (2008). Biomechanical study of grasping according to the volume of the object: Human versus non-human primates. *Journal of Biomechanics* 42: 266–272.

Whitcome, Katherine K., Liza J. Shapiro & Daniel E. Lieberman (2007). Fetal load and the evolution of lumbar lordosis in bipedal hominins. *Nature* 450: 1075-1078.

<http://www.eskeletons.org/>

Online Information:

Course information (i.e., syllabus, contact information, announcements, handouts, assignments, grades, and other material) is available on *Blackboard*. **You should access *Blackboard* before each class to look for updates and announcements.** If you have any trouble with Blackboard, contact the FAU Computing Support Center.

Course Description:

Integrated Morphology 2 is designed to expose students to the gross anatomical structures of the back, limbs, head, and neck. This course will be taught from an evolutionary perspective, and I assume a basic knowledge of evolutionary forces. If you feel that you are lacking in this knowledge, please see the supplementary material on Blackboard, and feel free to contact me for discussions and clarification. Students must be enrolled in a graduate program as a pre-requisite and must obtain permission from the instructor to register.

Instructional Objectives:

- Students are expected to be proficient in the gross structures of the human body learned both in lecture and lab, and be able to identify such structures on the cadaver, and list the following as relevant: muscle action, origin, and insertion; blood supply and source; venous drainage; nerve supply and source.
- Students are expected to understand the evolutionary origins and perspective on the structures in question, as presented and discussed in lecture and in the readings.

Method of Instruction:

Each class meeting will consist of lecture, discussion, and dissection. Ideally, the lecture and discussion will occur from 8:00 – 10:00, and the dissection will occur from 10:00 – 12:20.

We will dissect every Monday and Wednesday, however each of you will dissect only one of those days. Each day, the group which dissected the previous day will teach the other students about the completed dissection. This should take approximately 30-45 minutes, and will involve not only pointing out structures, but drilling, quizzing, reviewing, etc. After this initial session is accomplished to the satisfaction of all students and instructors, the first group will leave (taking the additional time to study for this class, of course!), and the second group will do the day's dissection. The following day, the roles will be switched.

Attendance Policy:

I expect you to attend all class and laboratory sections for the entire period. If you must be absent, it is your responsibility to obtain information you may have missed from another student. As a courtesy to me and the other students, please call or email me if you must be absent.

Assessment:

Your class grade will be based on two exams worth 100 points each. Points will be split evenly between lab items and lecture/discussion/reading items. Examinations will consist of anatomical structure identification (50%), and short answer and/or essay questions based on lecture/discussion/reading (50%). I do not give "extra credit," so please do not suggest this as a way of raising your grade. Also, I do not "round" grades up. Exam scores will be entered into Blackboard as soon as possible. Midterm exams will be graded immediately, so that each student knows their grade before the withdrawal date of 7/10. **There are no makeup exams.**

Grading criteria:

Grades are assigned on a 10-point scale (90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F).

Tips for Success:

Your goals, as a student, are to gain new knowledge and understanding of the subject material as well as an ability to apply information. I have found that keeping an open mind, attending class regularly, being adequately prepared, asking questions, managing your time, and actively participating are essential for meeting these goals. You should also take advantage of my office hours. Office hours are the time that I am available for you to walk in and ask me any questions about the course that will help your comprehension of the subject matter. If you have a conflict with my office hours, contact me after class or by email to schedule an alternative time to meet.

I also believe that learning should be a community endeavor in which we learn from one another. Each of you has experiences and knowledge that may be valuable to the learning process of other students. Therefore, I hope you contribute to your own learning and the learning of others by participating in class discussions. I also hope that you extend this resource by studying together, asking each other questions, and discussing the information we cover outside the classroom.

Tentative Course Schedule¹:

Date ²	Topic	Readings ³	Grant's Dissector
M 6/22	Vertebral column & back	Langdon Ch. 6; Whitcome et al. (2007); M&A Ch. 4 (272-291, 299-377)	Ch. 1 (4-12)
W 6/24	Axilla	M&A Ch. 6 (402-412, 423-435)	Ch. 2 (19-22)
M 6/29	Arm	Langdon Ch. 7; M&A Ch. 6 (402-412, 436-442)	Ch. 2 (15-19, 22-26)
W 7/1	Forearm	M&A Ch. 6 (402-412, 442-456)	Ch. 2 (26-30)
M 7/6	Hand & UL joints	Pouydebat et al. (2009); M&A Ch. 6 (402-412, 456-489)	Ch. 2 (30-41)
W 7/8	MIDTERM		
M 7/13	Gluteal region & posterior thigh	Langdon Ch. 8 (99-106) & Ch. 9; M&A Ch. 5 (315-323, 324-355)	Ch. 6 (122-125, 130-136)
W 7/15	Thigh, leg & dorsum of foot	Langdon Ch. 8 (104-107); M&A Ch. 5 (315-323, 332-366)	Ch. 6 (125-130, 136-141)
M 7/20	Sole of foot & LL joints	Langdon Ch. 8 (107-115); M&A Ch. 5 (315-323, 366-399)	Ch. 6 (142-149)
W 7/22	Neck	M&A Ch. 8	Ch. 7 (174-189)
M 7/27	Face & head	Langdon Ch. 4; Feinberg (2008); M&A Ch. 7	Ch. 7 (150-157, 194-198)

W 7/29	Cranial nerves	M&A Ch. 9	LAB REVIEW DAY
M 8/3	FINAL EXAM		

¹ I reserve the right to make modifications to the course schedule and assigned readings as necessary. However, the dates for the two exams will not change.

² Other important dates -- Drop deadline: Friday, 6/26, 5:00 p.m.; Withdrawal deadline (to receive a grade of "W"): Friday, 7/10, 5:00 p.m.

³ See daily information sheet for more details about the readings. M&A = Moore & Agur, Essential Clinical Anatomy; Langdon = Langdon, JH (2005). The Human Strategy: An Evolutionary Perspective on Human Anatomy (excerpts from this book will be posted as pdf files on Blackboard); articles by Whitcome et al., Pouydebat et al., and Feinberg are posted as pdf files on Blackboard.

Academic Honor Code:

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, 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 http://www.fau.edu/regulations/chapter4/4.001_Honor_Code.pdf

Students with Disabilities:

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in SU 133 (561-297-3880), and follow all OSD procedures.

Julie Sivigny

From: David Binninger [binninge@fau.edu]
Sent: Wednesday, March 17, 2010 11:47 AM
To: Julie Sivigny
Cc: Rodney Murphey
Subject: Fwd: Biomedical Science New Course Proposals

Good morning,

I circulated the syllabi for the new courses listed in your e-mail (see below) to the faculty who could make comments. I did not receive any responses that raised questions or noted a significant overlap with any of our graduate courses. Please let me know if you have any questions.

I hope this is helpful and good luck with the remainder of the process toward approval of the courses.

Regards,
David

David M. Binninger, Ph.D.
Associate Professor and Associate Chair
Department of Biological Science
and
Center for Molecular Biology and Biotechnology
Florida Atlantic University
777 Glades Road
Boca Raton, FL 33431 USA
Phone: (561) 297-3323
FAX: (561) 297-2749

Begin forwarded message:

From: Julie Sivigny <jsivigny@fau.edu>
Date: March 15, 2010 1:38:27 PM EDT
To: 'David Binninger' <binninge@fau.edu>
Subject: Biomedical Science New Course Proposals

Dear Dr. Binninger,

Thank you for your assistance with this process. We are submitting a total of 10 new course proposals and 2 changes. All syllabi were forwarded to Dr. Murphey but in multiple batches so if you are missing any please let me know and I'll send to you immediately.

Biomedical Science New Course Proposals:
Host Defense & Inflammation – Dr. Yoshimi Shibata
Molecular Neuropsychopharmacology – Drs. Igor and Tao
Macromolecules and Human Disease – Drs. Brew and Li
Adult Neurogenesis – Dr. Jianning Wei
Molecular Basis of Disease & Therapy – Dr. Caputi

Tumor Immunology – Dr. Vijaya Iragavarapu
Molecular Genetics of the Cell – Dr. Kantorow
Molecular Basis of Human Cancer – Dr. Lu
Problem-based Immunology – Dr. Nouri-Shirazi
Fundamentals of General Pathology – Dr. Levitt

The integrated morphology courses will be processed as changes. We previously offered two 3-credit courses: Human Gross Anatomy – Trunk and Human Gross Anatomy – Extremities. We are changing these to 4-credit courses with the titles *Integrated Morphology I and II* taught by Drs. Willis Paull, Rainald Shmidt-Kastner and Deborah Cunningham.

The graduate college submission deadline is Wednesday March 17th at noon. I apologize for the lateness of some of these requests and appreciate your effort to assist us.

Please let me know if I can provide any additional information.
Thank you.
Julie

Julie A. Sivigny
Academic Program Specialist
Charles E. Schmidt College of Biomedical Science
Florida Atlantic University
(561) 297-2216

From: David Binnering [<mailto:binninge@fau.edu>]
Sent: Monday, March 15, 2010 11:16 AM
To: Julie Sivigny
Cc: Rodney Murphey; Jay Lyons
Subject: Fwd: Biomedical Science New Course Proposal - Macromolecules & Human Disease

Good morning Julie,

I forwarded the syllabi for the new courses to the appropriate faculty last week. It's my opinion that there will not be any issues or conflicts. So far, I have had only one response and that was that there were no concerns. Please confirm the full list of new courses and when you need a statement from me.

I hope this is helpful and please let me know if you have any questions.

Regards,
David

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