**Graduate Programs—COURSE CHANGE REQUEST**

**DEPARTMENT NAME: BASIC SCIENCE**  
**COLLEGE OF: BIOMEDICAL SCIENCE**

**COURSE PREFIX & NUMBER: BMS 6102C**  
**CURRENT COURSE TITLE: HUMAN GROSS ANATOMY - TRUNK**

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**CHANGE(S) REQUESTED**

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<tr>
<td>X Change Title to:</td>
<td>INTEGRATED MORPHOLOGY 1</td>
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This course involves the developmental, microscopic and gross anatomical features of the organs located in the thorax and abdomen of the human. A laboratory will include a cadaveric dissection experience and examination of tissues samples using virtual microscopy.

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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**

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

Faculty Contact, Email, Complete Phone Number:
Willis Paull, Ph.D., email: wpaul@fau.edu, tel: 297-1024
Rainald Schmidt-Kastner, M.D., email: schmidt@fau.edu, tel: 297-1360

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**SIGNATURES**

Approved by:
Department Chair:  
College Curriculum Chair:  
College Dean:  
UGPC Chair:  
Dean of the Graduate College:  

**Date:**  
7/16/10  
7/16/10  
7/16/10

**SUPPORTING MATERIALS**

Syllabus—must include all criteria as detailed in UGPC Guidelines.  
Go to: [http://graduate.fau.edu/gpc/](http://graduate.fau.edu/gpc/) to access Guidelines and to download this form.  
Written Consent—required from all departments affected.

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Email this form and syllabus to diamond@fau.edu and eqirio@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.

FAU Change Grad—Revised January 2010
Integrated Morphology 1 course syllabus.

1. Course name: Integrated Morphology 1  
   a. Course number: BMS 6102C  
   b. Students must be enrolled in a graduate program as a pre-requisite.  
   c. Students must obtain permission from the instructor to register.

2. Instructors: Rainald Schmidt-Kastner, MD & Willis K. Paull, PhD.  
3. Office phone numbers: R. S-K = 7-1360; WKP = 7-1024.  
4. E-mail: SchmidtK@fau.edu  wpaul1@fau.edu  
5. Office hours: Monday and Wednesday 1-3 pm.  
6. Classroom: BC 130  
7. Course web-site. Blackboard will have all of the course materials.

8. Required texts:  

9. Bibliography:  
   A. Histology:  
   B. Developmental anatomy:  

10. Course description and objectives:  
    a. This course involves the developmental, microscopic and gross anatomical features of the organs located in the thorax and abdomen of the human. A laboratory will include a cadaveric dissection experience and examination of tissues samples using virtual microscopy.  
    b. Objectives include: understanding the process of obtaining and preparing tissue samples for microscopic evaluation; knowing that there are 4 basic tissue types in the body and the microscopic characteristics unique to each; understanding the series of events of gamatogenesis, fertilization and early embryonic development; understanding the processes of gastrulation, neurulation and body formation in the embryo; be able to distinguish and characterize the features defining an embryo from a fetus; understand the developmental processes that occur during the formation of the respiratory, cardiovascular and gastrointestinal systems; knowing and
being able to identify the histological characteristics of the components of
the respiratory, cardiovascular and gastrointestinal systems; understanding
the organization of the gross anatomy of the thorax and the respiratory and
cardiovascular structures found within the thorax; the gross anatomical
organization of the anterior & posterior abdominal walls; the relationships
of the components of the gastrointestinal system within the abdomen; the
blood supply and autonomic innervation of the organs located with the
abdomen.

c. Class times will be on Monday and Wednesday from 8:00am until 12:20
pm.

11. Course Schedule:

5-11-09  early development
          Staining and cell biology
          Epithelial tissues
          Histology lab

5-13-09  gross anatomy
          Thoracic wall & lungs

5-18-09  early development continued
          Muscle,
          Connective tissues
          Histology lab

5-20-09  gross anatomy
          Heart and great vessels.

5-27-09  gross anatomy
          Upper gastrointestinal tract

6-1-09   midterm exam
          Pulmonary system development
          Nerve tissue
          Pulmonary histology
          Histology lab

6-3-09   gross anatomy
          Lower gastrointestinal tract

6-8-09   heart and blood vessel development
          Histology of heart and blood vessels
          Histology lab
6-10-09  Gastrointestinal system development
          Gastrointestinal system histology
          Histology lab

6-14-09  gross anatomy
          Posterior abdominal wall & kidneys

6-16-09  optional review for summer course

6-17-09  Final exam.

Exam will include written, histology microscope and cadaver practical exam components.

12. Methods of instruction include lecture, as well as histology virtual microscopy and gross anatomy dissections in the laboratory sessions.

13. A virtual microscopy web site that is recommended for student use to enhance their understanding of the histology of the tissues and organs we will be studying is located at:
    http://www.path.uiowa.edu/virtualslidebox/nlm_histology/content_index_db.html

14. Assessment procedures: A written midterm (6-1-09) and final examination (6-17-09). Also included in the final exam will be an anatomy practical exam utilizing the dissected cadaveric material.

15. Grading criteria: 90 – 100% = A; 80 – 89% = B; 70 – 79% = C; 60 – 69% = D below 59% = F.

16. Make up examinations are given only because of sickness or death in the students family. Students are encouraged to notify the course director as soon as possible if they won’t be able to take the exam. Any student that misses an exam without notifying the course instructor as soon as the student knows he/she will be unable to attend will receive a zero grade for that exam.

17. Incomplete grades will only be given if the student meets the published requirements by the graduate school to receive an incomplete grade and will not be given in the case of poor academic performance.

18. Classroom etiquette: it is expected that students will be prompt, not tardy, not disruptive or inconsiderate of their classmates. Cell phones should be turned off or placed on a non-audible mode. Answering calls during class is inappropriate.

19. 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 Boca Raton – SU 133 (561-297-3880).

20. 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 and 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
21. Students enrolled in this course must also sign the pledge of respect for the
sanctity of donated human anatomical specimens.
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. Isgor and Tao
Macromolecules and Human Disease – Drs. Brew and Li
Adult Neurogenesis – Dr. Jianning Wei
Molecular Basis of Disease & Therapy – Dr. Caputi

3/17/2010
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 Paul, 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 Binninger [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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and  
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3/17/2010