

# FLORIDA ATLANTIC UNIVERSITY™

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 MISC \_\_\_\_\_

## Graduate Programs—COURSE CHANGE REQUEST

DEPARTMENT NAME: <b>BASIC SCIENCE</b>	COLLEGE OF: <b>BIOMEDICAL SCIENCE</b>
COURSE PREFIX & NUMBER: <b>BMS 6102C</b>	CURRENT COURSE TITLE: <b>HUMAN GROSS ANATOMY - TRUNK</b>

### CHANGE(S) REQUESTED

SHOW "X" IN FRONT OF OPTION  <input checked="" type="checkbox"/> CHANGE CREDITS FROM <b>3</b> TO: <b>4</b>  CHANGE GRADING FROM _____ TO: _____  CHANGE PREREQUISITES TO: _____  CHANGE MINIMUM GRADE TO: _____  CHANGE COREQUISITES TO: _____  CHANGE OTHER REGISTRATION CONTROLS TO: _____  OTHER _____	SHOW "X" IN FRONT OF OPTION  CHANGE PREFIX FROM _____ TO: _____  CHANGE COURSE NO. FROM _____ TO: _____  <input checked="" type="checkbox"/> CHANGE TITLE TO: <b>INTEGRATED MORPHOLOGY 1</b>  <input checked="" type="checkbox"/> CHANGE DESCRIPTION TO: _____  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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<b>CHANGES TO BE EFFECTIVE (TERM):</b> <b>SUMMER 2010</b>	Attach syllabus for <b>ANY</b> changes to current course information.
Will the requested change(s) cause this course to overlap any other FAU course(s)? If yes, please list course(s). YES                                      NO                                      X	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:  
 Willis Paull, Ph.D., email: [wpaul@fau.edu](mailto:wpaul@fau.edu), tel: 297-1024  
 Rainald Schmidt-Kastner, M.D., email: [schmidtk@fau.edu](mailto:schmidtk@fau.edu), tel: 297-1360

<b>SIGNATURES</b>  Approved by: _____ Department Chair: _____ College Curriculum Chair: _____ College Dean: _____ UGPC Chair: _____ Dean of the Graduate College: _____	<b>Date:</b> 3-16-10 3-16-10 3-16-10 _____ _____	<b>SUPPORTING MATERIALS</b>  Syllabus—must include all criteria as detailed in UGPC Guidelines.  Go to: <a href="http://graduate.fau.edu/gpc/">http://graduate.fau.edu/gpc/</a> 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](mailto:diamond@fau.edu) and [eqirjo@fau.edu](mailto: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 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](mailto:Schmidtk@fau.edu) [wpaul@fau.edu](mailto:wpaul@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:
  - a. Moore & Agur; essential clinical anatomy; ISBN 0-7817-6274
  - b. Netter; atlas of human anatomy; ISBN 1-4160-3385-1
9. Bibliography:
  - A. Histology:
    - a. Histology, At Text & Atlas. Ross & Pawlina 5<sup>th</sup> edition.
    - b. Atlas of Functional Histology. Kerr.
    - c. Color Textbook of Histology. Gartner & Hiatt 2<sup>nd</sup> edition.
  - B. Developmental anatomy:
    - a. Langman's Medical Embryology. Sadler 11<sup>th</sup> edition.
    - b. The Developing Human. Moore & Persaud 7<sup>th</sup> edition.
    - c. Essentials of Human Embryology. Larsen 1<sup>st</sup> edition.
    - d. Human Embryology and Developmental Biology. Carlson 1<sup>st</sup> edition.
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
6-03-09	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](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 see [http://www.fau.edu/regulations/chapter4/4.001 Honor Code.pdf](http://www.fau.edu/regulations/chapter4/4.001%20Honor%20Code.pdf).

21. Students enrolled in this course must also sign the pledge of respect for the sanctity of donated human anatomical specimens.

## Julie Sivigny

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**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](mailto:jsivigny@fau.edu)>  
**Date:** March 15, 2010 1:38:27 PM EDT  
**To:** 'David Binninger' <[binninge@fau.edu](mailto: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

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 Schmidt-Kastner and Deborah Cunningham.

The graduate college submission deadline is Wednesday March 17<sup>th</sup> 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*

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**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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