

## APPLICATION FOR NEW COURSE

1. Submitted by the College of \_\_\_\_\_ Date: \_\_\_\_\_

Department/Division proposing course: \_\_\_\_\_

2. Proposed designation and Bulletin description of this course:

a. Prefix and Number \_\_\_\_\_

b. Title\* \_\_\_\_\_

\*If title is longer than 24 characters, write a sensible title (24 characters or less) for use on transcripts:

\_\_\_\_\_

c. Courses must be described by at least one of the categories below. Include the number of actual contact hours per week for each category, as applicable.

(\_\_ ) CLINICAL    (\_\_ ) COLLOQUIUM    (\_\_ ) DISCUSSION    (\_\_ ) LABORATORY    (\_\_ ) LECTURE  
(\_\_ ) INDEPEND. STUDY    (\_\_ ) PRACTICUM    (\_\_ ) RECITATION    (\_\_ ) RESEARCH    (\_\_ ) RESIDENCY  
(\_\_ ) SEMINAR    (\_\_ ) STUDIO    (\_\_ ) OTHER – Please explain: \_\_\_\_\_

d. Please choose a grading system:     Letter (A, B, C, etc.)     Pass/Fail

e. Number of credit hours: \_\_\_\_\_

f. Is this course repeatable?    YES     NO     If YES, maximum number of credit hours: \_\_\_\_\_

g. Course description:

\_\_\_\_\_  
\_\_\_\_\_

h. Prerequisite(s), if any:

\_\_\_\_\_  
\_\_\_\_\_

i. Will this course be offered through Distance Learning?    YES     NO

If YES, please circle one of the methods below that reflects how the majority of the course content will be delivered:

Internet/Web-based    Interactive video    Extended campus    Kentucky Educational Television (KET/teleweb)    Other

Please describe "Other": \_\_\_\_\_

3. Teaching method:     N/A    or     Community-Based Experience     Service Learning Component     Both

4. To be cross-listed as: \_\_\_\_\_  
Prefix and Number    Signature of chair of cross-listing department

5. Requested effective date (term/year): \_\_\_\_\_ / \_\_\_\_\_

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- 6.** Course to be offered (please check all that apply):     Fall      Spring      Summer
- 7.** Will the course be offered every year?     YES     NO  
If NO, please explain: \_\_\_\_\_
- 8.** Why is this course needed?  
\_\_\_\_\_  
\_\_\_\_\_
- 9. a.** By whom will the course be taught? \_\_\_\_\_
- b.** Are facilities for teaching the course now available?     YES     NO  
If NO, what plans have been made for providing them?  
\_\_\_\_\_  
\_\_\_\_\_
- 10.** What yearly enrollment may be reasonably anticipated?  
\_\_\_\_\_  
\_\_\_\_\_
- 11. a.** Will this course serve students primarily within the department?     Yes     No
- b.** Will it be of interest to a significant number of students outside the department?     YES     NO  
If YES, please explain.  
\_\_\_\_\_  
\_\_\_\_\_
- 12.** Will the course serve as a University Studies Program course<sup>†</sup>?     YES     NO  
If YES, under what Area? \_\_\_\_\_
- <sup>†</sup>AS OF SPRING 2007, THERE IS A HIATUS ON APPROVAL OF NEW COURSES FOR USP.
- 13.** Check the category most applicable to this course:
- traditional – offered in corresponding departments at universities elsewhere
  - relatively new – now being widely established
  - not yet to be found in many (or any) other universities
- 14.** Is this course applicable to the requirements for at least one degree or certificate at UK?     Yes     No
- 15.** Is this course part of a proposed new program?     YES     NO  
If YES, please name: \_\_\_\_\_
- 16.** Will adding this course change the degree requirements for ANY program on campus?     YES     NO  
If YES<sup>‡</sup>, list below the programs that will require this course:  
\_\_\_\_\_  
\_\_\_\_\_

<sup>‡</sup>In order to change the program(s), a program change form(s) must also be submitted.

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- 17. [X] The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.
18. [ ] Check box if course is 400G or 500. If the course is 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

19. Within the department, who should be contacted for further information about the proposed new course?

Name: Carl G. Mattacola PhD, ATC Phone: 323-1100 x80860 Email: carlmat@uky.edu

20. Signatures to report approvals:

2/4/08
DATE of Approval by Department Faculty

Judith Page
printed name Reported by Department Chair
Judith Page
signature

2/04/08
DATE of Approval by College Faculty

Sharon Stewart
printed name Reported by College Dean
Sharon Stewart
signature

\* DATE of Approval by Undergraduate Council

printed name Reported by Undergraduate Council Chair signature

\* DATE of Approval by Graduate Council

printed name Reported by Graduate Council Chair signature

3/14/08
\* DATE of Approval by Health Care Colleges Council (HCCC)

Heidi Anderson
printed name Reported by Health Care Colleges Council Chair
Heidi Anderson
signature

\* DATE of Approval by Senate Council

Reported by Office of the Senate Council

\* DATE of Approval by University Senate

Reported by Office of the Senate Council

\*If applicable, as provided by the University Senate Rules

# Musculoskeletal Anatomical Dissection AT 740

The University of Kentucky  
Division of Athletic Training

## Instructors:

Carl G. Mattacola, PhD, ATC  
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Phone: 323-1100 ext 80860  
Email: [carlmat@uky.edu](mailto:carlmat@uky.edu)

Maureen Dwyer, MS, ATC  
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Email: [Maureen.Dwyer@uky.edu](mailto:Maureen.Dwyer@uky.edu)

Teaching Assistant:

Course Description: This course is a 3-credit cadaver anatomy laboratory course, which will include examination and dissection of the human cadaver. Lectures and laboratory experience will emphasize the musculoskeletal, articular, nervous, and vascular systems particularly as they relate to athletic injury mechanism and evaluation.

## Objectives:

General Course Objectives:

At the completion of the course the student will be able to:

- A. Locate on the cadaver; structures of the musculoskeletal, articular, nervous and vascular systems.
- B. Understand the functional application of these anatomical structures (including muscular actions and innervations)
- C. Apply knowledge of the anatomical structures as they relate to the various pathologies seen in athletics.

## General Requirements:

Students are to be aware of and meet the technical standards and behavioral standards as outlined in Technical Standards and the Behavioral Standards in Patient Care of the College of Health Sciences.

## **Instructional Strategies**

The class will meet in room **MN202** of the Medical Center. This class will be taught as a laboratory dissection course with four hours of lab to one hour of lecture. Students will be given reading and written assignments and are expected to come to class prepared for the next day's dissection having reviewed the material prior to coming to class. Students are expected to finish any dissecting that was not completed in class on their own time in the afternoons and evenings.

## **Required Texts:**

K. L. Moore and A. F. Daley. *Clinically Oriented Anatomy*, Baltimore:Lippincott Williams & Wilkins, 1999.

## **Recommended Texts:**

A. Agur and M. Lee. *Grants Atlas of Anatomy*, Baltimore:Lippincott Williams & Wilkins, 2005.

## **Feedback**

1. Students are encouraged to come to the instructor's office to review tests or to discuss progress in the class. This will be the only means for review of evaluation instruments.
2. Tests and/or papers will be retained by the course coordinator until approximately three weeks into the succeeding semester or summer session (Feb. 15, June 1, Aug. 1, and Sept. 15).

## **Academic Honesty**

1. Each student in the class is expected to adhere to the highest standards of academic honesty. Cheating and plagiarism violate the rules of the University and the ethical standards of members in the allied health profession. Violations of the university's rules regarding academic honesty can lead to a failing grade in the course and expulsion from the University. Students may view the Student Rights & Responsibilities Document at <http://www.uky.edu/StudentAffairs/Code/part1.html>.

## **Withdrawals and Incompletes**

1. The last day to withdraw from the course is at the end of the ninth week for fall or spring semester. No withdrawals will be signed after that date.
2. It is the student's responsibility to properly process withdrawals. Students who fail to process withdrawals or who process them after the time that grade report sheets are printed, will receive a grade of E on the official grade sheet. To correctly process a withdrawal the student must obtain the signature of Dr. Mattacola, obtain the signature of the student's advisor, and take the withdrawal form to the Registrar's office.
3. Incomplete (I) grades will be given only in extenuating circumstances and never as a replacement for a failing or substandard grade. Any student requesting an incomplete grade must see the course coordinator, Dr. Mattacola, for approval and for additional rules governing incomplete grades.

## **University Closing**

Students should be aware of the following sources of information in the event of inclement weather or other problems which might cause the University to close. Remember, if the University is open, students are expected to be in attendance and all tests will be given. If the University is closed on a test day, expect the test to be given on the next class day.

The cancellation or delay of classes' announcements will normally be made by 6:00 a.m. through the local media. The latest information will be available on the University of Kentucky **INFOLINE at 257-5684**, University of Kentucky **TV Cable Channel 16**, and **WUKY** or the **UK Website at [www.uky.edu](http://www.uky.edu)**.

## **Course Assignments:**

### **Grading Procedures:**

Completion of all course assignments are expected on the stated due date. Students will be graded on the following:

Exam 1

Exam 2

Exam 3

Class Presentation I:

Class Presentation II:

Dissection:

Quizzes:

## Care of the Cadaver and Prosections

Athletic Training students have been given the unique opportunity and privilege of dissecting the human body. This opportunity must not be taken lightly as most persons have willed their bodies to the Department of Anatomy and Neurobiology's Body Bequeathal Program for your learning experience. It is imperative that the cadavers be treated with respect and dignity.

**Cadavers must be kept moist and well covered at all times.** When the table is open and the cadaver is not being used, it must be kept covered with the cloth provided. The cloth should be kept moist at all times. Moistening fluid is available to you in the yellow containers throughout the lab. At the end of each dissection session, the body should be moistened with the wetting solution provided, and carefully covered with the moistened cloth. The table should then be closed and the vent closed

**Do not leave unattended cadavers or prosections uncovered, and do not wait for the next person to do the covering.**

## General Guidelines for the Dissection Laboratory

Twenty-four hour access to the laboratory is available for review and/or completion of the dissections between scheduled labs. **This access is a privilege** and will be **revoked** if appropriate care of the cadaveric material and/or appropriate personal demeanor is not exhibited.

It is advisable to wear lightweight, easily washed clothing to the lab. Surgical scrubs may be purchased at the bookstore or through medical supply houses or at Wal-Mart. In addition to scrubs, reusable rubber (available at the medical bookstore), or disposable latex gloves (available at the bookstore or through medical supply houses, Sam's Club etc.) should be worn at all times.

If you wear contact lenses, you may find the preservatives in the cadaveric material irritate your eyes Switching to glasses alleviates this problem.

Please place lab wastes such as cadaveric material removed by dissection in the **gray** containers located throughout the lab. **All tissue containing bone must be kept on your table.** This material is cremated and the ashes may be returned to the family of the donor.

Old and/or broken scalpel blades **must be** disposed of in the **red** containers placed throughout the lab.

There are certain rules concerning use of the gross anatomy lab (MS 203) which **must be adhered to:**

- no food or drink whatsoever may be taken in to the lab
- no visitors (friends, relatives, etc.) may be taken into the lab without prior permission of the course director
- no cameras or other photographic equipment may be taken into the lab
- no cadaveric material leaves the lab at any time for any reason
- unprofessional behavior will not be tolerated in the lab

## Dissection Instructions

**The majority of osteology and surface anatomy features in the course will be left to each student to accomplish by independent study from your atlas as listed in the dissection manual.**

Each dissection group of 5 students should divide themselves into groups of 2-3. For the most part each group will dissect one side of the body. **The responsibilities of dissection are to be shared** on a rotation basis by all members of the group at each table. *Non-participants generally experience difficulty at time of the practical exam.*

In each group of 2-3:

One student will *dissect*

One will *read the dissection instructions* and *handle the atlas* looking up the appropriate figures

**Do not come to the laboratory without an atlas.** (there are usually some available in the lab that were left over from the PT/PA class in the spring)

**Always wear gloves,** either reusable or disposable.

**It is your responsibility to keep your table clean and as grease-free as possible throughout the semester.** Lysol foam cleaner is provided to assist you with this.

The scalpel is generally used only for cutting and reflecting skin, muscles, and other large structures. **Do not leave scalpels blades or scalpels on the table- someone will get hurt!**

Most dissections deep to the surface is achieved by blunt dissection using a probe, fingers, scissors, etc. The lab instructors will demonstrate these techniques in the laboratory but like most skills they are learned by practice- and *patience*.

Each laboratory session will describe where the skin incisions should be made. ***Dissection instructions are highlighted as bold and italicized text.*** As a rule, skin removal is limited to the anatomical region being studied that session.

Typical dissection kits **are not suitable** for lab dissections. You should purchase the following, available individually, or in a kit from the medical bookstore:

**Required Dissection Equipment:**

Much of the equipment will be available in the lab for your use however, you will need:

**Many -No.22 scalpel blades (or similarly curved blade)**

**Gloves**

**Complete each stage of the dissection before proceeding.** When you complete the region to be dissected, be sure you can identify each structure listed in the *Structure Checklist* for that region. In addition, relate the region to previous dissections and review that area as a whole rather than isolation. This method is beneficial for continuity and appreciation of the body as a whole rather than as a collection of isolated regions.