

California University of Pennsylvania
University Course Syllabus
Department of Health Sciences
UCC Approval date: 10/16/2017

A. Protocol

Course Name: Head & Spine Cadaver Anatomy Dissection
Course Number: ATE 650
Credits: 2
Prerequisites: Enrollment in the PMSAT Program and ATE 600
Maximum Class Size (face-to-face): 30 lecture; 15 lab
Maximum Class Size (online): NA

B. Objectives of the Course:

Upon completion of the course, students should be able to:

- 1) Identify musculoskeletal structures of the cranial and cervical regions along with the spine and deep back.
- 2) Describe structural and functional regions of the brain and spinal cord.
- 3) Describe the location, structure and function of the cranial nerves.
- 4) Describe the formation, circulation and importance of cerebrospinal fluid.
- 5) Describe the components and function of reflexes.

C. Catalog Description:

This course will entail focused human cadaver dissection of the head, neck, and spine including detailed study of the osteology, musculature, innervation and vascular supply of these regions.

D. Outline of the Course:

Skull
Vertebrae of the Cervical, Thoracic, Lumbar, and Sacral Regions
Spinal Cord
Reflexes
Brainstem
Cerebral Hemispheres
Cranial Nerves
Cerebrospinal Fluid
Cervical Spine and Musculature
Thoracic Spine
Lumbar Spine
Spinal Ligamentous Support
Deep Back Musculature

E. Teaching Methodology:

- 1) Traditional Classroom Methodology
Lecture: Power point slides, handouts, drawings and models.
Lab: Human cadaver dissection to identify the structures discussed in lecture. Demonstration.
- 2) Online Methodology
NA

F. Text

Gray's Anatomy for Students, 3rd ed., R. Drake, A. W. Vogl, and A. W. M. Mitchell, Icon Learning Systems, New Jersey, 2015

Atlas of Human Anatomy, 6th ed, F. H. Netter, Icon Learning Systems, New Jersey, 2014.

G. Assessment Activities:

- 1) Traditional Classroom Assessment
Exams, quizzes, homework assignments, lab exams, lab activities.
- 2) Online Assessment
NA

H. Accommodations for Students with Disabilities:

OSD

Revised June 2015

STUDENTS WITH DISABILITIES

Students reserve the right to decide when to self-identify and when to request accommodations. Students requesting approval for reasonable accommodations should contact the Office for Students with Disabilities (OSD). Students are expected to adhere to OSD procedures for self-identifying, providing documentation and requesting accommodations in a timely manner.

Students will present the OSD Accommodation Approval Notice to faculty when requesting accommodations that involve the faculty.

Contact Information:

- Location: Carter Hall - G-35
- Phone: (724) 938-5781
- Fax: (724) 938-4599
- Email: osdmail@calu.edu
- Web Site: <http://www.calu.edu/osd>

I. Title IX Syllabus Addendum

**California University of Pennsylvania
Reporting Obligations of Faculty Members under Title IX
of the Education Amendments of 1972, 20 U.S.C. §1681, *et seq.***

California University of Pennsylvania and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with the Title IX of the Education Amendments of 1972 and guidance from the Office of Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University's Title IX Coordinator, Dr. John A. Burnett, Special Assistant to the President for EEO, Office of Social Equity, South Hall 112, Burnett@calu.edu, 724-938-4014. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any other abuse of a student who was, or is, a child (person under 18 years of age) when the abuse allegedly occurred to the person designated in the University protection of minors policy.

The University's information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at:

- **Office of Social Equity**, South Hall 112, 724-938-4014
 - Social Equity Home Page www.calu.edu/SocialEquity
 - Social Equity Policies www.calu.edu/SEpolicies
 - Social Equity Complaint Form www.calu.edu/SEcomplaint
- **Counseling Center**, Carter Hall G53, 724-938-4056
- **End Violence Center**, Carter Hall G94, 724-938-5707
- **Student Affairs**, Natali Student Center 311, 724-938-4439
- **Wellness Center**, Carter Hall G53, 724-938-4232
- **Women's Center**, Natali Student Center 117, 724-938-5857
- **Threat Response Assessment and Intervention Team (T.R.A.I.T.) & Dept. of Public Safety & University Police**, Pollock Maintenance Building, 724-938-4299
 - **EMERGENCY:** From any on-campus phone & Dial **H-E-L-P** or go to any public pay phone & **Dial *1**. (*Identify the situation as an emergency and an officer will be dispatched immediately.)

J. Supportive Instructional Materials, e.g. library materials, web sites, etc.

Clinically Oriented Anatomy, 7th ed., K. L. Moore, A. M. Agur and A. F. Dalley, Lippincott Williams & Wilkins, Baltimore, 2014.

Human Anatomy, 9th ed., F. H. Martini, R. B. Tallitsch, and J. L. Nath, Pearson, New York, 2017.

Human Anatomy, 7th ed., E. N. Marieb, P. B. Wilhelm, and J. B. Mallatt, Pearson, New York, 2014.

Principles of Human Anatomy, 13th ed., G. J. Tortora and M. Nielson, Wiley, New Jersey, 2013.

Textbook of Anatomy, 5th ed., W. H. Hollinshead, C. Rosse and P. Gaddum-Rosse, Harper & Row Publishers, New York, 1997.

Color Atlas of Anatomy, 7th ed., J. W. Rohen, C. Yokochi, and E. Lutjen-Drecoll, Lippincott Williams & Wilkins, Baltimore, 2011.

Anatomy: A Regional Atlas of the Human Body, C. D. Clemente, Lippincott Williams & Wilkins, Baltimore, 2011.

Additional Information for Course Proposals

K. Proposed Instructors:

Any qualified faculty within the Health Science and/or Biology Departments.

L. Rationale for the Course:

This course gives students a hands-on, inside look at the anatomy of the human body, specifically head and spine. This course content will be the foundation for the following 8-week course, ATE 655 Examination of the Head & Spine.

M. Specialized Equipment or Supplies Needed:

The following items will be initially purchase for ATE 600 and then used again for this course:

Human cadaver specimens, Bone saw, Scalpels, Dissection scissors (4 ½"), Surgical scissors (5 ½"), Metal probes, Curved forceps, Lab coats/aprons, Straight forceps

The following are disposable items that would need to be ordered: Gloves, scalpels

The following item will need to be purchased: Skull saw

*note: If more than 20 students enroll in this course, additional cadaver specimens will need to be purchased.

N. Answer the following questions using complete sentences:

1) Does the course require additional human resources? (Please explain)

Yes

This is a new course, so it will require a qualified instructor.

2) Does the course require additional physical resources? (Please explain)

Yes

The course will need a skull saw. The other supplies for this course will be re-used from ATE 600. Additional gloves may be needed.

3) Does the course change the requirements in any particular major? (Please explain)

Yes

This is a new course and is a part of the new/revised major, the professional master of science in athletic training.

4) Does the course replace an existing course in your program? (If so, list the course)

No

If Yes, click here to answer Question N4, above.

5) How often will the course be taught?

Each year

Click here to add text to qualify your selection for course timing, if necessary.

6) Does the course duplicate an existing course in another Department or College? (If the possibility exists, indicate course discipline, number, and name)

No

Click here if the answer to Question N6, above is YES. Indicate the other discipline/department and the other course number and name.

O. If the proposed course includes substantial material that is traditionally taught in another discipline, you must request a statement of support from the department chair that houses that discipline.

NA

P. Please identify if you are proposing to have this course considered as a menu course for General Education. The General Education Committee must consider and approve the course proposal before consideration by the UCC.

No

Q. Approval Form

Provide the Approval Form (Signature Page) with the signatures of your department Chair AND college Dean (electronically).