

SUMMER 1

ATP 6301

ANATOMICAL BASIS OF ATHLETIC INJURY

TBD

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Tuesday:
Wednesday:
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Course Description:

ATP 6301. ANATOMICAL BASIS OF ATHLETIC INJURY. Credit 3 hours.
Prerequisites: Formal acceptance for progression into the Master's Degree in Athletic Training. Athletic Training Students will study the gross and functional anatomical and physiological principles of athletic injury with practical application to motor performance.

Textbook(s):

Sieg, K.W. (2009). Illustrated Essentials of Musculoskeletal Anatomy, 5th Edition.
Publisher: Megabooks Inc. ISBN: 978-0935157079.

Gilroy, A.M., et al (2012). Atlas of Anatomy, 2nd Edition. Publisher: Thieme.
ISBN: 978-1604067453

Moore, K.L., Dalley, A.F., Agur, A.M. (2013). Clinically Oriented Anatomy. Publisher:
Lippincott, Williams and Wilkins. ISBN: 978-1451119459

Course Objectives:

Upon successful completion of this course students will be able to demonstrate the appropriate knowledge and skill base to understand the basic principles of:

1. Explain the principles of the body's thermoregulatory mechanisms as they relate to heat gain and heat loss. (PHP-10).
2. Explain the etiology and prevention guidelines associated with the leading causes of sudden death during physical activity, including but not limited to cardiac arrhythmia or arrest; asthma; traumatic brain injury; exertional heat stroke; hyponatremia; exertional sickling and anaphylactic shock. (PHP-17a-g)
3. Describe the normal structures and interrelated functions of the body systems. (CE-1)
4. Describe the normal anatomical systemic and physiological changes associated with the lifespan. (CE-2).
5. Identify the common congenital and acquired risk factors and causes of musculoskeletal injuries and common illnesses that may influence physical activity in pediatric, adolescent, adult and aging populations. (CE-3).
6. Describe the principles and concepts of body movement including normal osteokinematics and arthrokinematics. (CE-4).
7. Describe the influence of pathomechanics on function. (CE-5).
8. Recognize the signs and symptoms of catastrophic and emergent conditions and demonstrate appropriate referral decisions. (CE-16)
9. Use clinical reasoning skills to formulate an appropriate clinical diagnosis for common illness/disease and orthopedic injuries/conditions. (CE-17).
10. Incorporate the concept of differential diagnosis into the examination process. (CE-18).
11. Determine criteria and make decisions regarding return to activity and/or sports participation based on the patient's current status. (CE-19).

Retention and Progression Procedures & Policy:

After students have been formally accepted into the Master of Athletic Training Program at the University of Houston the ATS must maintain a G.P.A. of 3.0 or above and receive no more than one grade of "C" in any of the required Master of Athletic Training Program courses. When a student falls below the required G.P.A. and/or receives a grade of "C" in two or more classes, the ATS will be removed from the Master of Athletic Training Program.

Should the student who has been removed from the Master of Athletic Training Program wish to file a grievance, he/she must follow the guidelines as defined at the following link:

<http://www.uh.edu/class/students/graduate/academics-planning/policies-procedures/index.php>

Evaluation Methods:

Total Possible:

Grading Scale:

100-93:	A
92-85:	B
84-77:	C
76-69:	D
<69:	F

ADA STATEMENT

When possible, and in accordance with 504/ADA guidelines, we will attempt to provide reasonable academic accommodations to students who request and require them. Please call the Center for Students with Disabilities at ext. 3-5400 for more assistance.

ACADEMIC HONESTY

Honesty in your academic work is important in developing professional integrity. Students are to maintain a high standard of academic honesty, including doing your best work and reporting academic misconduct and plagiarism. At all times you must present your own, original work. Any student who commits academic misconduct will receive a zero for that assignment, and depending on the nature of the violation, may fail the class and be reported to the university for disciplinary action.