EXRS 4130 Athletic Training Emergency Care: ATEC

Instructors:

Ron Courson, ATC, PT, NREMT-I, CSCS 542-9060 rcourson@sports.uga.edu
Butts-Mehre Athletic Training Facility

Mike Clanton, ATC, NREMT-I, CSCS 542-7892 mclanton@sports.uga.edu
Stegeman Coliseum Athletic Training Facility

Mike Dillon, ATC, NREMT-I, CSCS 542-8984 mdillon@sports.uga.edu
Stegeman Coliseum Athletic Training Facility

Required Text

- National Safety Council First Aid and CPR (Fourth Edition Web Enhanced). Jones and Bartlett Publishers. Boston, MA. 2001.
- Hand-outs and selected articles will be provided with each lecture. It is recommended to place these items in a 3-ring binder and maintain in order for reference to.

Course Description

Athletic Training Emergency Care teaches the basics of emergency care focused on sports injuries. It is a comprehensive course for the athletic trainer who must initially evaluate and stabilize an athlete in a trauma situation. Using a lecture/laboratory format, the course teaches rapid assessment, resuscitation, packaging and transportation of injured athletes.

Course Objectives

Upon completion of this course, the student should be able to:

A. Understand the potential for emergency situations to occur in athletics
B. Identify the components of a functioning EMS system
C. Know what is required of athletic trainers, physicians, and emergency medical technicians – roles and responsibilities, relationships with prehospital and hospital personnel, personal safety, and training standards
D. Know risk management issues related to athletics and be able to develop an emergency plan
E. Be able to select and utilize various types of emergency equipment.
F. Be able to perform athletic trauma assessment of various athletic emergencies.
G. Be able to identify emergency medical situations and be able to apply appropriate first aid measures.
H. Demonstrate knowledge in bloodborne pathogen precautions in emergency care.

Athletic Training Educational Competencies

Upon completion of this course, the student will demonstrate clinical proficiency in the following content areas as outlined in Athletic Training Educational Competencies (NATA 3rd edition):

1. The student will perform athletic trauma assessment utilizing primary/secondary examination format.
2. The student will assess neurological responses.

3. The student will perform clinical evaluations of major body areas to assess and interpret for injury and illness.
4. The student will perform record keeping skills while maintaining patient confidentiality.
5. The student will demonstrate the ability to implement an emergency action plan.
6. The student will demonstrate the ability to apply first-aid techniques using universal precautions.
7. The student will demonstrate the ability to apply immobilization devices to applicable body parts.
8. The student will recognize and manage environmentally related illnesses and, when indicated, refer the patient to the proper medical professional.
9. The student will demonstrate the ability to perform basic life-support techniques.
10. The student will demonstrate the ability to use various means of stabilization and transportation to facilitate the movement or ambulation of the injured person.
11. The student will locate and utilize pharmaceutical products, storage, dispensing, and tracking information.
12. The student will activate a poison control service.
13. The student will demonstrate the ability to instruct the use of and administer bronchodilators and epinephrine.
14. The student will obtain a basic medical history.
15. The student will ascertain body temperature via oral, axillary, and tympanic.
16. The student will assess the following vital signs: pulse, blood pressure, respiration, O2 sat, peak expiratory flow rate, pupil reaction, breath sounds and heart sounds to auscultation.
17. The student will palpate the four abdominal quadrants to assess for guarding and rigidity and pain.
18. The student will use a stethescope to identify normal breath and heart sounds.
19. The student will identify pathological breathing patterns to make a differential assessment for respiratory conditions.
20. The student will recognize signs, symptoms, and predisposing conditions associated with injury and/or illness of an emergency nature with the following: skin; eyes, ears, nose and throat; respiratory system; cardiovascular system; endocrine system; gastrointestinal tract; genitourinary tract and organs; viral syndromes; neurological disorders, and systemic diseases.
21. The student will demonstrate the ability to intervene and make the referral to appropriate medical or allied medical professionals.

Testing: There will be randomized pop quizzes throughout the course (10 points each). The pop quiz grades will be added together and counted as an exam grade (100 points). There will be 3 exams (100 points each) plus a comprehensive final exam (100 points) to test cognitive knowledge. Further, there will be 1 CPR exam (50 points), 8 laboratory skill check-offs (pass/fail), 1 oral/practical exam (50 points), and 1 project (50 points). There will be an elective article review on an emergency medical topic (25 points: student should contact instructor for additional information).

Grading: Grading will be based on points earned from all the tests and evaluations as follows:

Exam One	100 Points
Exam Two	100 Points
Exam Three	100 Points
Final-Comprehensive	100 Points
CPR Exam	50 Points
O/P Exam (ATAM)	50 Points
Lab 1 Skill Check-Off (Vital Signs)	Pass/Fail
Lab 2 Skill Check-Off(CPR)	Pass/Fail
Lab 3 Skill Check-Off(AED)	Pass/Fail
Lab 4 Skill Check-Off(Airway/O2)	Pass/Fail
Lab 5 Skill Check-Off (Spine Board)	Pass/Fail
Lab 6 Skill Check-Off (Facemask Removal)	Pass/Fail
Lab 7 Skill Check-Off (MDI/Epi-Pen)	Pass/Fail
Lab 8 Skill Check-Off (Splinting)	Pass/Fail
Randomized Pop Quizzes	100 Points
Emergency Plan Project	50 Points
TOTAL	**650 Points**

Final Grades

A= 585 points or better
B= 520-584 points
C= 455-519 points
D= 390-454 points
F= <389 points

Attendance Policy: Each student is expected to be present and on time for all class and laboratory sessions. You must make up all missed work. Unexcused missed tests (class or lab) will not be made up unless prior permission was obtained from one of the instructors.

Academic Honesty: The University of Georgia and the Athletic Training Education program seeks to promote and ensure academic honesty and personal integrity among students and members of the University community. Academic honesty means performing all academic work without cheating, lying, tampering, stealing or receiving assistance from any other person or using any source of information that is not common knowledge. You should read and become familiar with A Culture of Honesty publication which defines the policies, procedures and sanctions for academic honesty. These procedures will be strictly enforced by your instructor(s).

EXRS 4130 "Athletic Training Emergency Care" Class Schedule: Spring Semester 2003

Week	Tuesday 9:30 – 10:45	Thursday 9:30 – 10:45	LAB Thursday 10:45 – 12:15
1		1/9 EMS System; EMT Education *Marty Billings, EMT-P*	Ambulance*: St. Mary's EMS* Personal Protective Equip./BBP *Clanton*
2	1/14 Emergency Situations in Athletics *Courson*	1/16 Emergency Plan *Courson*	Guest Presenter: Kent Falb
3	1/21 Mechanisms of Injury *Dillon*	1/24 Emergency Equipment *Dillon*	Athletic Trauma Assessment & Management (ATAM) *Courson*
4	1/28 ATAM *Courson*	1/30 ATAM *Courson*	ATAM Lab *Courson/Clanton/Dillon*
5	2/4 ATAM Skill Check-Off *Courson/Clanton/Dillon*	2/6 **Exam One**: covers material 1/9-2/4	CPR *Dillon*
6	2/11 CPR *Clanton*	2/13 CPR written exam CPR lab *Clanton*	CPR Lab CPR Skill Check-Off *Clanton*
7	2/18 Automated External Defibrillator (AED) *Courson*	2/20 Automated External Defibrillator (AED) *Courson*	AED Lab *Courson/Clanton/Dillon*
8	2/25 Airway Management/ Oxygen Therapy *Dillon*	2/27 Head Trauma *Robert Dicks, MD*	Airway/O2 Lab & Skill Check-offs *Courson/Clanton*
9	3/4 Spine Trauma *Dillon*	3/6 Management of Critically Injured Athlete *Dillon*	Head/C-Spine Lab *Dillon/Courson*
10	3/11 Long Spine Board/ Facemask Removal Lab & Skill Check-Offs *Dillon/Courson/Clanton*	3/13 Orthopedic Trauma *Courson*	Orthopedic Trauma Lab Rapid Form Immobilizer/ Traction Splint Skill Check-offs *Courson/Clanton/Dillon*
Spring Break: March 17-21			
12	3/25 Shock *Clanton*	3/27 **Exam Two**: covers material 2/12 - 3/14	Vital Signs Trending Lab *Clanton*
13	4/1 General Medical Emergencies *Clanton*	4/3 General Medical Emergencies *Clanton*	PEFR, Metered Dose Inhalers, Epi-Pen Administration *Clanton*
14	4/8 Abdominal Trauma *Clanton*	4/10 Environmental Emergencies *Ron Elliott, MD*	IV Hydration Lab *Ron Elliott, MD*
15	4/15 Dental Emergencies ***7 pm*** *Glenn Alex, DMD* Athletic Injuries to Eye *Brent Crymes, MD*	4/17 Thoracic Trauma *Clanton*	NSC First Aid Videotape *Clanton*
16	4/22 Athletic Injuries to ***7 pm*** Face and Throat *Stan Satterfield, DMD*	4/24 **Exam Three**: covers material 3/26-4/23	**Emergency Plan Project** Group presentations
17	___ Comprehensive Final Exam 8:00 – 11:00 am		