

**EMERGENCY MANAGEMENT
OF ATHLETIC INJURY/ILLNESS
KIN 1058
SPRING 2006**

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Office Hours: TTH 10-11a.m.

GENERAL COURSE INFORMATION

1. Prerequisites: Academic good standings from secondary school.
2. Credit: Three semester hours
3. Intended Audience: Athletic Training Specialization students
4. Days, Times, Place: 1:20 PM-2:35 PM, TTH, CB 202
5. Texts: a. Arnheim, D.D. and Prentice, W.E. Principles of Athletic Training. McGraw Hill, 12th ed., 2005.
b. AAOS-editors, Browner et al., Emergency Care and Transportation of the Sick and Injured, Jones and Bartlett, 9th ed., 2005.

COURSE PURPOSE AND GOALS

The purpose of this course is to provide the prospective athletic trainer with the skill and knowledge necessary to provide for emergency care, triage, and management of emergencies and life-threatening situations for the physically active.

Upon completion of this course, the student will be able to

1. Recognize the characteristic of common life-threatening conditions that can occur either spontaneously or as the result of direct trauma to the throat, thorax and viscera, and identify the management of these conditions.
2. Describes the management of external hemorrhage, including the location of pressure points, use of universal precautions, and proper disposal of biohazard materials
3. Recognize the sign and symptoms of head trauma, including loss of consciousness, changes in standardized neurological cranial nerve assessment, and other symptoms that indicate underlying trauma

4. Recognize the signs and symptoms of trauma to the cervical, thoracic and lumbar spines, the spinal cord, and the spinal nerve roots, to include neurological signs, referred symptoms, and other symptoms that indicate underlying trauma
5. Describe the proper techniques for removing the helmet and shoulder pads from an athlete with suspected cervical spine injury
6. Recognizes proper positioning and immobilization of a person with suspected spinal cord injury when using a spine board or body splint, including preparatory positioning prior to placement of the spine board or body splint
7. Recognize the signs and symptoms of shock and acknowledges the treatment of shock
8. Accept the approved aseptic and sterile methods for cleaning, treating, and bandaging wounds as well as the disposal of biohazard wastes
9. Explain the typical history, signs and symptoms associated with cardiopulmonary conditions

TENTATIVE COURSE SCHEDULE

<u>Session</u>	<u>Topic(s)</u>	<u>Reading</u>
1.	Course Syllabus Terminology /primary/Secondary Survey/ABC's	Class Handouts AAOS Chapt 8
2.	Primary and Secondary Survey	Arnheim Chpt. 12 AAOS 8, 5
3.	Primary and Secondary Survey	Arnheim Chpt. 12 AAOS Chpt. 8, 5
4.	Emergency Action Plan Emergency Action Plan Class Project	Class Handouts Arnheim Chpt. 12
5.	Emergency Action Plan	Arnheim Chpt. 12
6.	Management of Hemorrhage, Universal Precautions, and Disposal of Biohazard Materials	Arnheim Chpt. 14 AAOS Chpt 22
7.	Emergencies of the Head, Face, and Eyes	Arnheim Chpt. 26 AAOS Chpt.30,25,26

8. Emergencies of the Head, Face, and Eyes Arnheim Chpt. 26
AAOS Chpt.30,25,26
9. Lab: Vital Signs
10. **Test Unit One**
11. Emergencies of the Neck and Spine Arnheim Chpt. 25
AAOS Chpt. 30
12. Emergencies of the Neck and Spine Arnheim Chpt. 25
Emergency Action Plan Due AAOS Chpt. 30
13. Immobilization and Transportation of the Injured Athlete. Arnheim Chpt 12
AAOS Chpt 6
14. LAB: Use of Splinting Devices
15. Immobilization and Transportation of the Injured Athlete. Arnheim Chpt 12
AAOS Chpt 6
16. Equipment Removal of the Severely Injured Athlete. Class Handouts
Arnheim Chpt. 12
17. LAB: Use of Spine Boards and Other Evacuation Devices.
18. LAB: Equipment Removal Devices.
Quiz One: March 9, 2006
19. Emergencies of the Throat, Thorax, and Viscera Arnheim 26, 27
AAOS Chpt.14, 26, 28
20. **Test Unit Two**
21. Emergencies of the Throat, Thorax, and Viscera Arnheim 26, 27
AAOS Chpt.14, 26, 28
22. LAB: Palpation of the Abdominal Cavity
23. Cardiopulmonary Emergencies Class handouts
AAOS Chapt.11,12
24. Cardiopulmonary Emergencies Class handouts
AAOS Chapt.11,12

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| 25. | Cardiopulmonary Emergencies | Class handouts
AAOS Chapt.11,12 |
| 26. | LAB: CPR and Rescue Breathing for the Physically Active
Quiz Two: April 13, 2006 | |
| 27. | Shock in the Physically Active | Arnheim Chpt.12
AAOS Chpt. 23 |
| 28. | Review/Practice for Oral Practical Final | |
| 29. | Review/Practice for Oral Practical Final | |
| 30. | Oral Practical Test: An Oral Practical Demonstrating the Application and use of Emergency Immobilization, Splinting, and Transportation Devices. | |

Final Exam: Unit Three exam will be given during the regularly schedule final exam time

COURSE EVALUATION

1. **Course Requirements:**

- a. Completion of written examinations covering material presented in the textbook, lectures, and references materials.
- b. Completion of a theoretical emergency action plan.
- c. Demonstration of emergency and management procedures during an oral practical exam.

2. **Grading:**

<u>Points</u>	
Unit One Exam	100 pts
Emergency Action Plan	50 pts
Unit Two Exam	100 pts
Unit Three Exam	100 pts
Quiz One	25 pts
Quiz Two	25 pts
<u>Practical Exam</u>	<u>100 pts</u>
Total Points	500 pts

3. **Grading Scale:**

90-100% of total points	= A
80-89% of total points	= B
70-79% of total points	= C
60-69% of total points	= D
Below 60% of total points	= F

ATTENDANCE POLICY

Class attendance is mandatory. Three (3) unexcused absences from lecture periods will serve to lower a student's grade one letter. Attendance at written examinations is mandatory. Absence without prior approval will result in a grade of zero being recorded for the exam. Medical excuses for illness are allowed. However all medical excuses for missed class must be written, dated, and signed by the attending MD on the appropriate stationary or Rx pad. The medical excuse must state that you were not to attend class and **with the specific dates of absences noted.** All medical excuses not received on the second day after you return to class will not be allowed.

UNIVERSITY REGULATION 802

University Regulation 802 (<http://uwadmnweb.uwyo.edu/legal/Uniregs/ur802.htm>) will be followed in cases of academic dishonesty (e.g. cheating, plagiarizing, etc.). **Students are expected to do their own work at all times. This includes all tests, papers, quizzes, projects, reports, and notebooks. Plagiarism of any authors (even fellow classmates) work will not be tolerated.**

Copying of materials using a previous student's work, notebook, etc. will not be tolerated. Students who miss class will need to get notes from other students. **HOWEVER, IT IS EXPECTED THAT THIS WORK WILL BE REDONE IN THEIR OWN WORDS.** Students using computers, word processors, etc. may not share discs or other materials between each other. To do so will be considered the same as copying of materials. In all cases students who allow for the copying of materials will be treated just like the student who does the copying.

STUDENTS WHO ARE FOUND TO BE IN VIOLATION OF THIS POLICY WILL HAVE A GRADE OF ZERO RECORDED FOR THE INVOLVED PAPER, TEST, QUIZ, PROJECT, REPORT OR NOTEBOOK. FURTHERMORE THESE STUDENTS WILL BE REFERRED TO THE APPROPRIATE DEPARTMENT, COLLEGE, OR UNIVERSITY COMMITTEE FOR THE APPROPRIATE DISCIPLINARY ACTION AS PER UNIVERSITY REGULATION 802!!!

EMERGENCY EXIT PROCEDURES

Know the location of the fire alarm. Dial 9-911 in the event of an emergency and evacuate using the nearest exit. Do not use elevators in the event of fire.