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# AHAT 422.01: Assessment of the Thorax and Medical Conditions in the Athlete Laboratory

Scott T. Richter

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## AHAT 422 – Assessment of the Thorax and Medical Conditions in the Athlete Laboratory

**INSTRUCTOR:** Dr. Cara Fritz, MD  
**CAMPUS:** The University of Montana-Missoula  
**OFFICE PHONE:** 243-4211 (HHP office)  
**EMAIL:** carla.fritz@umontana.edu

**SEMESTER:** Fall 2013  
**OFFICE:** CHC  
**CREDIT HRS:** 1

**CLASS MEETS:** Tuesday 6 -8 pm

**REQUIRED TEXT:** Cuppett M., & Walsh, KM. *General Medical Conditions in the Athlete 2<sup>nd</sup> ed. 2011.* Elsevier/Mosby.,

**SUPPLEMENTALTEXT:** Prentice,WE. *Arnheim's Principles of Athletic Training: A Competency-Based Approach.* 15 ed.: McGraw Hill.

**ONLINE RESOURCES:** <https://moodle.umt.edu>

**PREREQUISITE:**       **COREQUISITE**

**COURSE DESCRIPTION:** Offered autumn. Coreq., AHAT 421. Laboratory sessions to develop recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

**OBJECTIVES:** The student should be able to:

|        |   |
|--------|---|
| AC-31  | Assist the patient in the use of a nebulizer treatment for an asthmatic attack.   |
| AC-33  | Instruct a patient in the use of a meter-dosed inhaler in the presence of asthma-related bronchospasm.  |
| AC-35  | Demonstrate the use of an auto-injectable epinephrine in the management of allergic anaphylaxis. Decide when auto-injectable epinephrine use is warranted based on a patient's condition. |
| CE-20g | respiratory assessments (auscultation, percussion, respirations, ... peak-flow)   |
| CE-20h | circulatory assessments (pulse, blood pressure, auscultation)   |
| CE-20i | abdominal assessments (percussion, palpation, auscultation)   |
| CE-20j | other clinical assessments (otoscope, urinalysis, glucometer, ... temperature, ophthalmoscope)  |
| CE-21i | Cardiovascular function (including differentiation between normal and abnormal heart sounds, blood pressure, and heart rate)  |
| CE-21j | Pulmonary function (including differentiation between normal breath sounds, percussion sounds, number and characteristics of respirations, peak expiratory flow)                          |
| CE-21k | Gastrointestinal function (including differentiation between normal and abnormal bowel sounds)  |
| CE-21l | Genitourinary function (urinalysis)   |
| CE-21m | Ocular function (vision, ophthalmoscope)  |
| CE-21n | Function of the ear, nose, and throat (including otoscopic evaluation)  |
| CE-21o | Dermatological assessment   |
| CE-21p | Other assessments (glucometer, temperature)   |
| PHP-15 | Use a glucometer to monitor blood glucose levels, determine participation status, and make referral decisions.  |

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|--------|--|
| PHP-16 | Use a peak-flow meter to monitor a patient's asthma symptoms, determine participation status, and make referral decisions.   |
| PS-16  | Formulate a referral for an individual with a suspected mental health or substance abuse problem.  |
| TI-28  | Properly assist and/or instruct the patient in the proper use, cleaning, and storage of drugs commonly delivered by metered dose inhalers, nebulizers, insulin pumps, or other parenteral routes as prescribed by the physician. |

**EVALUATION OF STUDENT OUTCOMES:**

1. **EXAMS** – Students will complete 2 practical exams throughout the semester.
2. **QUIZZES**- In-class quizzes & assignments
3. **PARTICIPATION** – All students are expected to complete assignments before attending class. Active participation in class presentations/discussions is expected.

**GRADING SYSTEM:**

**Scale:** (percentage of total points)

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| A = 93.50 – 100.00 | A- = 90.00 – 93.49 |                    |
| B+ = 87.50 – 89.99 | B = 83.50 – 87.49  | B- = 80.00 – 83.49 |
| C+ = 77.50 – 79.99 | C = 73.50 – 77.49  | C- = 70.00 – 73.49 |
| D = 65.00 – 69.99  | F = < 65 %         |                    |

**POINT BREAKDOWN:**

|                     |                |
|---------------------|----------------|
| 2 PRACTICAL EXAMS   | 70% (35% each) |
| QUIZZES/ASSIGNMENTS | 10%            |
| CLASS PARTICIPATION | 20%            |
| <b>TOTAL</b>        | <b>100%</b>    |

**Attendance:**

Attendance is **mandatory**. Prior arrangements should be made with the instructor for excused absences to make up work. Class work may not be made up unless prior arrangements have been made.

**American w/Disabilities Act (ADA):** *The University of Montana upholds the ADA by providing reasonable accommodations to individuals with disabilities. If any student requires reasonable accommodations to adequately perform the duties of the class, please see the instructor as soon as possible so that a plan can be made for specific modifications.*

**Student Conduct Code:** *All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VPSA/index.cfm/page/1321>*

## TENTATIVE SCHEDULE

| Date         | Topic   | Book Chapter(s)       |
|--------------|---|-----------------------|
| August 27    | Intro- history and SOAP notes<br>Roles of the Certified Athletic Trainer in General Physical Assessment, Diagnostic Imaging and Testing | 1, 2, 3<br>Lecture    |
| September 3  | Intro- history and SOAP notes<br>Roles of the Certified Athletic Trainer in General Physical Assessment, Diagnostic Imaging and Testing | 1, 2, 3 Lab           |
| September 10 | Respiratory System, Cardiovascular System   | 7, 8<br>Lecture       |
| September 17 | Respiratory System, Cardiovascular System   | 7, 8 Lab              |
| September 24 | Gastrointestinal Systems, Genitourinary and Gynecological Systems   | 9, 10,<br>Lecture     |
| October 1    | Gastrointestinal Systems, Genitourinary and Gynecological Systems   | 9, 10 Lab             |
| October 8    | HEENT (eye, ear, nose, throat, and mouth)   | 12 & 13<br>Lecture    |
| October 15   | HEENT (eye, ear, nose, throat, and mouth)   | 12 & 13<br>Lab        |
| October 22   | Systemic Diseases, Infectious Disorders and Dermatological Conditions   | 14, 15, 16<br>Lecture |
| October 29   | Systemic Diseases, Infectious Disorders, Dermatological Conditions  | 14, 15, 16<br>Lab     |
| November 5   | Neurological System, Psychological Disorders  | 11, 18<br>Lecture     |
| November 12  | Neurological System, Psychological Disorders  | 11, 18 Lab            |
| November 19  | Pharmacology, Therapeutic Drug Categories   | 4 & 5<br>Lecture      |
| November 26  | Pharmacology, Therapeutic Drug Categories   | 4 & 5 Lab             |
| December 3   | Common Procedures in AT Clinic & Special Populations  | 6 & 19                |
| December 10  | Common Procedures in AT Clinic, Suturing, IVs; <b>Final Exam</b>  | 6 & 19<br>Lab         |
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