Course Number: ATH 301
Course Title: Assessment and Evaluation I
Credit Hours: 4 credit hours
Contact Hours: Class Attendance = 4 hours per week x 14 weeks
Clinical Laboratory= 3 hours per week x 14 weeks
Day/Time/Location: Lecture: M, W, F: 10:40-11:50am PT 110
Laboratory: T 1:20 – 4:10pm PT 110 and Jaharis 017
Prerequisite: Athletic Training Program Good Standing
Faculty: Dr. Jeff Sischo, DPT, LAT, PT Calli Pilak, MS, LAT, CISSN
Office: PT 116 Office: TBD
Office Hours: Office Hours: By appointment
Email: jsischo@carrollu.edu Email: csehrbro@carrollu.edu
Phone: 262-951-3049 Phone: 262-470-8852
Format: Lecture, Discussion, Laboratory/Clinical Rotations, Small Group Work, and Cadaver Lab
Course Text(s): Required
ATH301
Examination of Musculoskeletal Injuries 4th edition, Sandra Shultz, Peggy Hougulum, David Perrin, Human Kinetics
ATH301 Lab
Trail Guide to the Body (Student Wkbk) 5th edition, Andrew Beil, Books of Discovery
Trail Guide to the Body (w/DVD) 5th edition, Andrew Beil, Books of Discovery
Recommend
Wilder Davis’s Quick Clips: Special Tests & Davis’s Quick Clips: Muscle Tests
Course Description:

This course will provide students with the knowledge and skills for clinical and on-the-field musculoskeletal assessment and evaluation of the upper and lower extremities for physically active people. General topics for the course will include patient care, interviewing and history taking, determining subjective and objective findings, and applying assessment and evaluation skills for the upper and lower extremities. Specific injuries and conditions specific to each extremity will be discussed as well as emergency, management, referral and return to participation measures for the physically active.

Cadaver Lab:

This course also utilizes cadaver lab experiences where students will be able to use cadaveric dissection to further enhance their knowledge of clinical anatomy. Students will also investigate the effects of tissue damage on the performance and results of selected special tests that are used in athletic training evaluations and assessments.

Attendance:

Students are expected to attend all lectures and labs. Attendance for all lectures is strongly recommended due to the cumulative nature and content of this course. If you miss a lecture, it is the student’s responsibility to obtain notes or handouts. Attendance at all clinical laboratories is required. In the case of an excused clinical laboratory, the laboratory must be made up. Students are expected to maintain professionalism including: upholding promptness, professional attitude, and appropriate dress at all laboratory sessions.

Grading: All late assignments will be subject to a 5% per day deduction

Written Exams

The examinations may include: correctable true false, true false, multiple choice, short answer, and essay questions representing information from the lectures, readings, handouts, and lab assignments/proficiencies. The final exam will be of similar format and will be cumulative in nature.

Lab Assignments/Clinical Competencies

Assessment of NATA Educational Cognitive and Psychomotor Competencies will occur throughout the semester to test student’s knowledge, intellect, manipulative, and psychomotor skills. These tests will primarily be during lab time to demonstrate skills presented in lecture and previous lab activities. Lab assignments/competencies will be oral/practical or written in format and comprise material from lectures, readings, handouts, and/or laboratory/clinical rotation demonstrations. Competencies will account for 20% of the course grade. All competencies should be practiced and then formally completed under the direct supervision of an approved clinical instructor. Once a student has attained satisfactory completion for a specific competency they should continue mastery under the supervision of the approved clinical instructor during the practicum series of courses. Grading for each competency will be determined on the demonstration and level of understanding of the competency performed. Each competency will vary in points depending on the depth and breadth of the activity
performed. For certain competencies an 80% score is needed for satisfactory completion of the competency. Students’ grades will be taken from the FIRST competency performed, not on the subsequent trials to complete the 80%. All competencies must be completed to achieve a passing grade in the course.

Critically Appraised Topic (CAT)

During the semester, you will be developing a CAT. The CAT will be based on a clinical question. You are also expected to turn in the following:
1. PDF copy of each article included in the CAT
2. Journal Critique Summary Sheet for each article included in the CAT
3. CAT completed on the CU AT template (Must include at least 2 articles)

Grading for the course is as follows:
- 93-100% A
- 88-92% A/B
- 83-87% B
- 78-82% B/C
- 70-77% C
- 60-69% D
- Below 59% F

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<thead>
<tr>
<th>Assessment</th>
<th>Date</th>
<th>% of Final</th>
<th>Linked Objectives</th>
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<tbody>
<tr>
<td>OSHA Exam</td>
<td>Sept 15</td>
<td>0</td>
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<tr>
<td>CAT</td>
<td>Nov 17</td>
<td>10</td>
<td>All</td>
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<tr>
<td>Competencies/Proficiencies</td>
<td>Various</td>
<td>20</td>
<td>All</td>
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<tr>
<td>Laboratory assignments</td>
<td>Various</td>
<td>10</td>
<td>All</td>
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<tr>
<td>Quiz(s)</td>
<td>Various</td>
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<tr>
<td>Exam 1</td>
<td>Sept 29</td>
<td>10</td>
<td>1, 2, 3, 4, 5, 6, 7, 8, 9</td>
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<tr>
<td>Exam 2</td>
<td>Oct 13</td>
<td>10</td>
<td>7, 8, 9, 10, 11, 12</td>
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<tr>
<td>Exam 3</td>
<td>Nov 15</td>
<td>10</td>
<td>11, 12, 13, 14, 15, 16</td>
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<td>Final Exam</td>
<td>Dec 18</td>
<td>15</td>
<td>All</td>
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ATH 301 Competency Based Linked Objectives

Upon successful completion of the course, the student will:

1. Demonstrate knowledge of the human body and ability to assess current and past medical history and apply that knowledge towards the evaluation process to be able to complete an evaluation on a patient and document

2. Obtain a basic medical history that includes the following components: chief medical complaint; previous medical history; previous surgical history; pertinent family medical history; current medication history; relevant social history. (All Exams, Proficiencies, SOAP Notes)

3. Conduct static and postural evaluation and screening procedures to recognize the following postural deviations and predisposing conditions: tibial torsion; genu valgum, varum, and recurvatum; rearfoot valgus and varus; forefoot valgus and varus; pes cavus and planus; and foot and toe posture.

4. Perform a postural assessment of the shoulder, knee, ankle, foot, and toes.

5. Identify and classify body types as endomorph, ectomorph, and mesomorph.
6. Identify and palpate the following: bony landmarks of the scapula and extremities; soft tissue structures of the extremities; primary neurological and circulatory structures. (Exams 1, 2, 3, Proficiencies, SOAP Notes)

7. Identify and assess the following: dermatomes, myotomes, deep tendon reflexes, and pathological reflexes. (Exams, Proficiencies, SOAP Notes)

8. Qualitatively assess active, passive, and resistive range of motion for the following: foot and toes; ankle; knee; shoulder; elbow; wrist and hand; thumb and fingers. (Exams, Proficiencies, SOAP Notes)

9. Obtain the medical history of an ill or injured athlete or other physically active individual for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

10. Observe and identify the clinical signs and symptoms associated with common injuries, illnesses, and predisposing positions for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

11. Administer active and passive range-of-motion tests using standard goniometric techniques for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

12. Use manual muscle-testing techniques for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

13. Administer appropriate sensory, neurological, and circulatory tests for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

14. Administer functional tests and activity-specific tests for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

15. Identify and palpate bony landmarks for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

16. Identify and palpate soft tissue landmarks for a toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers evaluation. (Exams, Proficiencies, SOAP Notes)

17. Administer commonly used special tests to make a differential assessment for the following body parts: toes, foot, ankle, lower leg, knee, shoulder, upper arm, elbow, wrist, hand, and fingers. (Exams, Proficiencies, SOAP Notes).
Liability Insurance/Program Fees

All students will be billed for liability insurance for the class. If you have already been billed and paid for the liability insurance for this academic year in another athletic training class, then you should not need to pay this fee. Students in the professional phase pay a program fee per semester. This fee covers items such as supplies for the semester, NATA student membership, criminal background check, student liability insurance. This fee will be included on your University bill.

Confidentiality/Release of Liability

Students will be expected to sign a letter of statement regarding patient confidentiality and upholding moral and ethical standards regarding confidential information. A Release of Liability/Informed Consent is also expected to be signed to inform you of risks that are associated with this course.

Electronics Acceptable Use: Consistent with expectations of professional behavior all electronic devices should be turned to silent mode or off. The use of electronic devices outside of specific classroom activity is disruptive to the learning environment and will not be tolerated. The receiving and sending of text messages in class is unacceptable. Use of laptops or other electronic devices, other than note taking during class time by students is prohibited. Options for the Professor/Instructor, at their discretion include the removal of the device from student, to the removal of the student from class. Exceptions will be made if an emergent situation exists and is cleared with the instructor prior to class starting.

Statement on Academic Integrity – The Carroll University Academic Integrity Policy is located in the university handbook. I encourage you to familiarize yourself with it. If a student violates this policy in any way, I reserve the right to impose a sanction of failure on the assignment/assessment or failure in the course. If you have questions about appropriate citations, please ask.

Classroom etiquette: Behaviors that build a positive and safe learning environment are expected.

Accommodation for Disabilities – Any requests for accommodation must be made through the Walter Young Center with Disability Services Coordinator. Appropriate accommodations will be made once notification has been received from the Disability Services Coordinator.

Modifications to the syllabus: The instructor and the College reserve the right to modify, amend, or change the syllabus (schedule, course requirements, grading policy, etc.) as the curriculum and/or program require(s).

Canvas:
There are several ways that you can get help using Canvas:

1. Click the Canvas Help button on the home page of any course.
2. Call the Canvas Support Hotline (available 24/7) (844) 358-6885
3. Click the Help button on the Canvas Menu bar and click Chat with Canvas Support. (Also available 24/7.)
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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Lab/Proficiency (Tues) Indicated by *</th>
<th>Readings/Prep Work</th>
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<tr>
<td>Sept 8</td>
<td>• Course intro; OSHA Training;</td>
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| Sept 11, 12*, 13, 15 | • Concussion  
• Concussion Lab 9/15  
• **Steve Staab** | Lit search, Evidence Based Practice, Critically Appraised Topic (CAT) |                                                        |
| Sept 18, 19*, 20, 22 | • Neck injury and spine boarding (9/18) – **Steve Staab**  
• Evidence –Based Practice in the Diagnostic Process  
• Injury pathology Nomenclature  
• Principles of Examination  
• History | Spine Boarding lab – Van Male | • Chs 1, 2, 3 EMI                          |
| Sept 25, 26*, 27, 29 | • **Exam #1 (Friday)**  
• Principles of Examination (cont.)  
• Observation  
• Palpation  
• Range of Motion | SOAP Notes | • Chs 4, 5, 6 EMI  
• Intro, Ch 1 TG  
• Intro, Nav the Body TGWB |
| Oct 2, 3*, 4, 6      | • Principles of Examination (cont.)  
• Strength  
• Neuro Status  
• Cardiorespiratory Palpation, MMT and Goniometry. |                                        | • Chs 7, 8, 9, 10 EMI  
• Gonio and MMT PowerPt. Lecs |
| Oct 9, 10*, 11, 13  | • **Quiz #1 Due 10/8**  
• Leg, ankle and foot  
• **Exam #2 (Friday)** | FALL Cadaver Lab | • Ch 16 EMI  
• Ch 7 (L, A, F) TG  
• Leg & Foot TGWB |
| Oct 18, 20 | • Leg, ankle and foot | **No Lab, Fall Break** |                                                        |
|   Fall break M/T  |                                                        |                                        |                                                        |
| Oct 23, 24*, 25, 27 | • Leg, ankle and foot | Foot Assessment Lab  
Ankle and Lower Leg Lab |                                                        |
| Oct 30, 31*, Nov 1, 3 | • **Quiz #2 Due 10/29**  
• Knee and Thigh | Foot, Ankle and Lower Leg **Proficiency** | • Ch 17 EMI  
• Ch 7 (Knee), Ch 6 (Thigh) TG  
• Pelvis & Thigh (Thigh) TGWB |
| Nov 6, 7*, 8, 10 | • Knee and Thigh | **KPF Cadaver Lab** |                                                        |
| Nov 13, 14*, 15, 17 | • Knee and Thigh  
• **Exam #3 (Wednesday)** | No Lab - Conference |                                                        |
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<tr>
<th>Date</th>
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<td>Nov 20, 21*, 22&lt;sup&gt;2&lt;/sup&gt;, TG Break F (24)</td>
<td><strong>Quiz #3 Due 11/19</strong>&lt;br&gt;Shoulder and Arm</td>
<td>Knee and Thigh Lab</td>
<td>Ch 12 EMI&lt;br&gt;Ch 2 TG&lt;br&gt;Shoulder &amp; Arm TGWB</td>
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<td>Nov 27, 28*, 29, Dec 1</td>
<td>Shoulder and Arm</td>
<td><strong>SUA Cadaver Lab</strong></td>
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<td>Shoulder and Arm</td>
<td>Shoulder and Upper Arm Lab</td>
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<td>Dec 11, 12*, 13</td>
<td>Shoulder and Arm&lt;br&gt;Wrap-Up and Review</td>
<td>Knee, Shoulder and Upper Arm <strong>Proficiency</strong></td>
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<td>Dec 18 (Mon)</td>
<td>Final Exam</td>
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