



University of Florida
College of Health and Human Performance
Department of Applied Physiology & Kinesiology
Graduate Athletic Training Program

Fall 2017 Course Syllabus

COURSE INFORMATION:

ATR 6215: Evidence-Based Orthopedic Exam I: Upper-Extremity (3 credits)

Meeting Times: Tuesday 9:35-12:35

Meeting Location: Yon Hall 11

INSTRUCTOR:

Dr. Brady L. Tripp PhD, ATC
Clinical Associate Professor
Director, Graduate Athletic Training Program
Office Location: FLG 148
Office: (352) 294-1725
E-mail: trippb@ufl.edu
Office Hours: by appointment

COURSE DESCRIPTION:

The 3-credit course addresses topics relevant to the orthopedic and biomechanical assessment of upper-extremity function and dysfunction. Students develop skills and study the principles and procedures used in advanced evaluation techniques. Students examine components of upper-extremity function from biomechanical, neuromuscular and anatomical perspectives. Topics include advanced orthopedic special tests, 3-dimensional kinematics, interpreting contemporary diagnostic tests and treatment of upper-extremity pathology/dysfunction and critical reviews of related research.

LEARNING OUTCOMES:

Upon completion of the course, students will have demonstrated the following understandings, skills, and dispositions. The student (will):

Understandings

- Understand the principles and skills used in advanced orthopedic and functional evaluation.
- Understand the principles of identifying kinematic alterations associated with pathology.
- Understand the principles of identifying normal and abnormal anatomy on diagnostic imaging

Skills

- Demonstrate the skills used in advanced orthopedic and functional evaluation.
- Demonstrate the ability to identify kinematic alterations associated with pathology.

Dispositions

- Appreciate the importance of a comprehensive assessment of function in the clinical diagnosis of pathology.
- Appreciate the role of biomechanics in function and dysfunction.
- Appreciate the role of contemporary diagnostic and imaging tests in the evaluation process.
- Appreciate the role the critical critique of related research plays in orthopedic and biomechanical evaluation.

REQUIRED TEXTS AND MATERIALS:

Reading/video materials will be available on the class web page (e-learning) or the instructor will provide soft or hard copies in person. Students are also expected to be able to search and critically-review recent literature and therefore are responsible for gaining access to peer-reviewed sources via online databases or University library holdings.

TEACHING STRATEGIES:

Course material will be presented through in-person and online video lectures and interactive workshop formats with 3.0 contact hours per week. This class will consist primarily of class roundtable discussions and hands-on clinical practice with some didactic presentations. This is an 'ACTIVE-COLLABORATIVE LEARNING FORMAT' with PEER-PRESENTATIONS that are based on both current research and material provided by the instructor. This type of class focuses on the personal growth of the learner and is very much learner-centered. This teaching style 'works well for students who are independent and motivated learners but may cause some anxiety for students who are used to traditional one-way communication lectures.' This course will test your ability to work in an autonomous manner and communicate effectively.

COURSE POLICIES:

Examinations: There will be NO make-up examinations unless exceptional conditions occur as defined in the University of Florida Undergraduate Catalog. Please see this link for more information <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. Prior permission from the professor is required for any make-up examinations. There will be a time limit for each examination. Examinations will evaluate the understanding of material from lecture, text and other supplemental material provided.

Quizzes and Assignments: Quizzes will assess learning progress from lecture material and assigned readings. To ensure that students are reading the assigned material, the quizzes will be both announced and unannounced and in-class or on E-learning. Only students attending class may take quizzes (including E-learning quizzes). There will be NO make-ups for missed quizzes (showing up late, etc.). Assignments are due at the onset of class on the date assigned to them. **Students should type all assignments** unless otherwise stated in the directions when the assignment was given. **LATE ASSIGNMENTS WILL NOT BE ACCEPTED!** If you will be traveling for a University sanctioned event and will miss an assignment due date, your assignment is due **before** you leave. You should notify Dr. Tripp with an explanation for missing class, in writing (email or letter) at least one week in advance to be eligible to receive an excused absence for class. Students are responsible for all materials missed as a result of an absence.

Student Conduct Policy:

- All students are expected to conduct themselves in a respectful and responsible manner
- All students are expected to be on time for class
- All students are expected to turn off or silence their cell phones
- All students are expected to not participate in actions that may disrupt the class

The instructor reserves the right to ask any student to leave the classroom, if the student violates any the above class procedures

GRADING CRITERIA:

UF grading policies are available @ <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Written Exams	60%
Syllabus Contract	2%
Individual Presentation	26%
<u>Quizzes/Assignments/Participation</u>	<u>12%</u>
TOTAL GRADE	100%

A	90 - 100
B+	87 - 89
B	80 - 86
C+	77 - 79
C	70 - 76
D	60 - 69
E	Below 60

Note: When the decimal is .5 or below the grade is rounded down to the nearest whole number. If the decimal is .51 or above the grade is rounded up to the nearest whole number.

COLLEGE/UNIVERSITY-WIDE POLICIES:

Academic Honesty: Academic misconduct appears in a variety of forms (including plagiarism). It is a violation of the University of Florida Honor Code. UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class

Academic Assistance and Student Services: Students who are in need of academic, career, or personal counseling services are encouraged to see the academic assistance website for further information on available services (<http://oas.aa.ufl.edu/>).

U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies, <http://www.police.ufl.edu/>.

Sexual Assault Recovery Services (SARS): Student Health Care Center, 392-1161.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Student Complaints Campus: https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf

Student Responsibility for Course Prerequisites: Students are responsible to have satisfied all published prerequisites for this class. Please review the prerequisites and discuss any questions with your instructor and/or your academic adviser.

Last Day to Withdraw: To withdraw from a course it is not sufficient simply to stop attending class or to inform the instructor of your intention to withdraw. In accordance with college policy, contact your adviser to begin the withdrawal process. The last day for withdrawal from this course can be found at <https://catalog.ufl.edu/ugrad/current/Pages/home.aspx>.

Confidentiality: The University ensures the confidentiality of student educational records in accordance with State University System rules, state statutes and FERPA, the Family Educational Rights and Privacy Act of 1974, as amended, also known as the Buckley Amendment.

Course Evaluation: Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

INDIVIDUAL TOPICS:

- Pathologies and Special Tests will be assigned

PROJECT GUIDELINES: (26% of Grade)

Chose Specific Topic

- Topic Due: the day after Class #1 (Dr. Tripp will distribute topics shortly thereafter)
- Presentations: schedule indicates when chosen topic is presented
- Complete a powerpoint presentation including
 - all Special Tests (descriptions, Specificity, Sensitivity, +/-PPV, QUADAS)
 - original video of presenters performing **each test** (keep video camera fixed - use tripod or stand)
- Complete 1 Critical Appraisal Video (QUADAS) on a study included in your search – a study/ test that does not have a QUADAS and matters in terms of decision-making
 - This Critical Appraisal Video can be used to fulfill an assignments in Research in AT
- Meet with the TA assigned no less than 10 days before topic presentation
- Materials are due to the Dr. Tripp at least 1 week before the date when chosen topic is scheduled to be presented (ppt., hand-outs, reading material, etc.)
 - Before the meeting, email the results of your PubMed searches for each Dx in the lecture videos including
 - Dx AND sensitivity OR specificity OR likelihood ratio; limit 2007-current
 - Excel data for each Dx (Sens, Spec, +LR, -LR) with references
- Assign reading material (if needed to describe new special tests) to class at least 1 week before when chosen topic is scheduled to be presented
- Update/revise Eval Sheet (one per joint – due on review day)
- Demonstrate assessment of one key structure using diagnostic ultrasound

COURSE SCHEDULE AND TOPIC OUTLINE:

Maintained on e-learning

COURSE SCHEDULE AND TOPIC OUTLINE

Date	Class	Topics and Webpages
8/22	1	Introduction, Review Syllabus, Discuss Projects; Assign / Choose Topics Project Grading Sheet
8/29	2	Class-2: Scapular Kinematics and Assessment
9/5	3	Class-3: Palpation, MMT and ROM
9/12	4	Class-4: Evidence-based Clinical Exam
9/19	5	Rotator Cuff and Impingement
9/26	6	TBD
10/3	7	GH Labrum
10/10	8	GH Instability
10/17	9	Exam I Written & Practical

10/24	10	AC / SC Joint
10/31	11	Pathomechanics of Throwing
11/7	12	Elbow
11/14	13	Wrist / Hand
11/21	14	Neurovascular
11/28	15	TBD
12/5	16	Exam II Written & Practical

***Class schedule is subject to modification by the instructor**