



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

Spring 2020 Course Syllabus | Last Date Revised: 12/30/2018

**COURSE INFORMATION**

ATR 6216: Evidence-Based Orthopedic Exam II: Lower-Extremity (3 credits)  
 Meeting Times: Tuesday 9:35-12:35  
 Meeting Location: Yon Hall 11

**INSTRUCTOR**

Dr. Brady L. Tripp, LAT, ATC  
 Clinical Associate Professor  
 Director, Graduate Athletic Training Program  
 Office Location: 148 FLG  
 Office Phone: 352-294-1725  
 Email: [trippb@ufl.edu](mailto:trippb@ufl.edu)  
 Office Hours: By appointment, email to confirm.

**COURSE DESCRIPTION**

Athletic Trainers develop skills and appraise the principles and procedures used in the musculoskeletal assessment of lower-extremity function and dysfunction. Topics include the statistical evaluation of diagnostic tests, 3-dimensional kinematics, interpreting contemporary diagnostic tests and treatment of lower-extremity pathology/dysfunction and critical reviews of related research.

**LEARNING OUTCOMES**

1. Examine the principles and execute the skills used in advanced orthopedic and functional evaluation of the lower-extremity.
2. Weigh the importance of a comprehensive, evidence-based assessment in the clinical diagnosis of pathology of the lower-extremity.
3. Examine the principles and execute the skills used in identifying normal and abnormal anatomy on diagnostic imaging of the lower-extremity.
4. Search, access and critically-appraise recent published evidence regarding the diagnosis of orthopedic conditions of the lower-extremity.

**REQUIRED TEXTS AND MATERIALS**

Textbook	ISBN	
All reading materials will be available on the class web page (e-Learning) or the instructor will provide soft or hard copies in person. Journal articles will be used frequently. Most articles will be available on-line, but some will need to be retrieved from various libraries on campus.		

## COURSE REQUIREMENTS AND POLICIES

**Teaching Strategies:** Course material will be presented through video and in-person lectures, online materials and interactive workshop formats with 3.0 contact hours per week. This class will consist primarily of class roundtable discussions and some didactic presentations. Canvas e-Learning platform will provide students with video lectures, content to supplement discussions, details regarding assignment expectations and grading criteria/rubrics.

**Examinations:** Written examinations will be administered via e-Learning and will range in points from 75 – 300 and include a variety of question formats (e.g., multiple choice, select all that apply, matching and rank order). Each examination will include a practical portion that will include palpations, special tests, and diagnostic imaging. Practical portions will include a time limit of 10 to 20 minutes. There will be NO make-up examinations unless exceptional conditions occur (as defined in the University of Florida Catalog).

<http://www.registrar.ufl.edu/catalog/policies/regulationattendance.html> Prior permission from the professor is required. There will be a time limit for each written examination. Examinations will evaluate the understanding of material from lecture, text, and other supplemental material provided. Examinations may be administered via e-Learning using lock-down browser or additional proctoring method. Student should visit the website <http://www.respondus.com/lockdown/information.pl?ID=364713981> (Links to an external site.) and download "Lock Down Browser" for either Windows or MAC. It may take 5-10 minutes to download so please complete the process prior to accessing an examination. As a reminder, please be sure to have a secure internet access when taking examinations - do not use unreliable Wi-Fi access. For MAC users, Safari is not a compatible internet browser with Canvas - please use either Internet Explorer, Google Chrome or Firefox (version 10 or 12 - not version 11) when accessing the e-Learning system. If you have issues during an examination, please call the help desk 352-392-4357.

**Quizzes:** Quizzes will assess learning progress from lecture material and assigned readings. There will be a time limit for each quiz. Quizzes will be open on e-Learning each class period (aside from review and exam dates) after the professor has addressed all student questions. Quizzes will range from 1-25 points and include a variety of question formats (e.g., multiple choice, select all that apply, matching and rank order). For quizzes administered in e-Learning students may use notes. Please read each question carefully and select the best answer to each question. The quiz will assess your retention of reading and video assignments. Students should employ examination best practices (stated above) for e-Learning quizzes. There will be NO make-ups for missed quizzes (showing up late, etc.), unless exceptional conditions occur as defined in the University of Florida Undergraduate Catalog. Please see this link for more information

<http://www.registrar.ufl.edu/catalog/policies/regulationattendance.html>

**Clinical Diagnosis Presentation Guidelines:** The professor will distribute 1 Clinical Diagnosis topic assignment to each student during the first class meeting. Assignments include a list of pathologies and special tests. Due dates correspond with individual topics as posted on the course schedule.

**Clinical Diagnosis Presentation Rubric:**

<b>Materials Due: no less than 1-week before the date on which the chosen topic is scheduled to be presented</b>	<b>Points</b>
o Email the Professor the results of your PubMed search for each Pathology and Special Test including:	
• Pathology or Special Test AND (sensitivity OR specificity OR likelihood ratio); limit 20010-current	16
• Excel data for each Pathology and Special Test (Sens, Spec, +/-LRs) with References	16
• Article for class reading (if needed to describe new special test)	2
o Email the Professor and TA the PowerPoint with youtube videos and hand-out	
• Include all Pathologies and Special Tests provided (descriptions, Specificity, Sensitivity, +/-LRs, QUADAS)	14
• Hand-out of presentation slides/notes and list of special tests with 'Rule In' and 'Rule Out' columns	6
• Original videos of presenters performing each test (keep video camera fixed – use tripod or stand); videos should play automatically in PowerPoint	10
o Submit 2 Critical Appraisal Videos (QUADAS) on studies included in your search – studies that do not have a QUADAS scores and matter in terms of decision-making	14
<b>Presentation / Lab (Assessed during presentation)</b>	
o Delivery of Presentation	14
o Diagnostic Ultrasound Demonstration	
• Demonstrate assessment of one key structure using diagnostic ultrasound	4
<b>Material Due: on Review day</b>	
o Update/Revise Eval Sheet	4
• Professor/TA will provide an original eval sheet; update it based on current research and class discussion	

**Attendance:** Throughout the semester, various speakers present information to the class. Your attendance at these presentations is expected; written notification of an absence (i.e., email) prior to the class is required for an absence to be excused (see university regulations as stated above). All students are required to attend lecture and lab experiences (*please review the academic absence policy in the AT Program Student Handbook*). Requirements for class attendance and make-up exams, assignments, and other work are consistent with university policies found in the online catalog <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

**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

**Critical-Thinking Questions and Participation:** Each student, as part of his/her participation, is expected to ask questions. Insightful questions will be monitored during the year and contribute to participation grade. In addition, attending class, contributing to class, and useful information provided during class will be counted toward your participation grade. Any class period listed as "discussion", requires prior review of posted content to facilitate a valuable learning experience. Failure to come to class "prepared" creates an ineffective environment for valuable exchange of information. The instructor will use the rubric in the table below to assign participation points during discussion sessions (see dates within the course schedule listed as "discussion").

Excellent	10 pts	Defines, describes, and illustrates concepts Explains, assesses and criticizes ideas Demonstrates preparation and reading of assignments
Good	8 pts	Defines, describes, and illustrates concepts Explains, assesses and criticizes ideas Evidence of reading assignments, but not fully prepared
Reasonable	6 pts	Defines, describes, and illustrates concepts Explains, assesses, or criticize some ideas Evidence of incomplete reading of assignments and preparation
Basic	4 pts	Defines and describes some concepts Explains but cannot assess and criticize ideas Clearly unprepared and lacking evidence of reading assignments
Bare Minimum	2 pts	Defines and describes some concepts Unable to explain, assess, or criticize ideas Clearly unprepared and lacking evidence of reading assignments
Unacceptable	0 pt	Refuses to engage in discussion or answer questions when asked Engaged in inappropriate behaviors (using cell phone, social media, visiting irrelevant websites) Not present

**Plagiarism:** Defined as the use and appropriation of another's work without any indication of the source and the representation of such work as the student's own. Any student, who fails to give credit for ideas, expressions or materials taken from another source, including internet sources, projects/papers submitted for another course (either intentional or unintentional), is guilty of plagiarism (*please refer to the AT Program Plagiarism Policy in the Student Handbook*).

#### GRADING CRITERIA

Letter Grade	Grade Points	Percentage
A	4.00	92 - 100
A-	3.67	89 - 91
B+	3.33	87 - 88
B	3.00	82 - 86
B-	2.67	79 - 81
C+	2.33	77 - 78
C	2.00	72 - 76
C-	1.67	69 - 71
D+	1.33	67 - 68
D	1.00	62 - 66
D-	0.67	60 - 61
E	0.00	Below 60

e-Learning Exams (2)	40%
Practical Exams (2)	18%
Clinical Diagnosis Presentation (1)	20%
Quizzes (11)	16%
<u>Critical-Thinking Questions &amp; Participation (13)</u>	<u>6%</u>
<b>TOTAL GRADE</b>	<b>100%</b>

**COURSE SCHEDULE (SUBJECT TO MODIFICATION)**

The course progression will tentatively follow the schedule below:

<b>Date</b>	<b>Class</b>	<b>Topics and Webpages</b>
<b>1/7</b>	<b>1</b>	Introduction, Review Syllabus, Discuss Projects; Assign Topics Project Grading Sheet
<b>1/14</b>	<b>2</b>	Lower Leg, Ankle & Foot
<b>1/21</b>	<b>3</b>	Knee 1-3
<b>1/28</b>	<b>4</b>	Knee 4-7
<b>2/4</b>	<b>5</b>	Functional Movement Screen
<b>2/11</b>	<b>6</b>	Functional Movement Screen
<b>2/18</b>	<b>7</b>	Review
<b>2/25</b>	<b>8</b>	<b>Exam I Written &amp; Practical</b>
<b>3/10</b>	<b>9</b>	Hip, Thigh and Groin
<b>3/17</b>	<b>10</b>	Osteoarthritis
<b>3/24</b>	<b>11</b>	SI, Lumbar & Thoracic Spine
<b>3/31</b>	<b>12</b>	Cervical Spine
<b>4/7</b>	<b>13</b>	Concussion
<b>4/14</b>	<b>14</b>	Review
<b>4/21</b>	<b>15</b>	<b>Exam II Written &amp; Written</b>

## **COLLEGE/UNIVERSITY-WIDE POLICIES**

**Academic Honesty:** As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." Students will exhibit behavior consistent with this commitment to the UF academic community. Academic misconduct appears in a variety of forms (including plagiarism) and may be punishable in a variety of ways, from failing the assignment and/or the entire course to academic probation, suspension or expulsion. On all work submitted for credit by students at the university, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."** Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Faculty will not tolerate violations of the Honor Code at the University of Florida and will report incidents to the Dean of Students Office for consideration of disciplinary action. 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. If you have questions about what constitutes academic misconduct before handing in an assignment, see your instructor.

**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://www.ufadvising.ufl.edu/academic\\_assistance/](http://www.ufadvising.ufl.edu/academic_assistance/)

**ADA Policy:** The University of Florida provides accommodations for students with documented disabilities. For more information regarding services and procedures for requesting accommodations visit <http://www.dso.ufl.edu/drc/> or call 352.392.8565. Students requesting classroom accommodation must first register with the Disability Resource Center. The Disability Resource Center will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**Campus Resources: U Matter, We Care:** Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu); a nighttime and weekend crisis counselor is available by phone at 352.392.1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

**University Police Department:** 392.1111 or 9-1-1 for emergencies  
<http://www.police.ufl.edu/>

**Counseling and Wellness Center:** <http://www.counseling.ufl.edu/cwc/Default.aspx>,  
352.392.1575; *Sexual Assault Recovery Services (SARS)* Student Health Care Center,  
352.392.1161.

**Career Resource Center:** Reitz Union, 352.392.1601, <http://www.crc.ufl.edu/>

**Cell Phone/Text Messaging Policy:** Students will not engage in text messaging or access their cellular telephones during class time. Faculty will award special considerations at his/her discretion.

**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. <http://www.registrar.ufl.edu/catalog/policies/regulationconfidentiality.html>

**Course Grading Policy:** Students will earn their course grade based on completion of coursework as outlined in the Grading Criteria listed above. Percentage calculations are rounded up at “.6 or above” and rounded down at “.5 or below”. For more information regarding Grade Point Averages, Grade Values, etc. please visit the University registrar website listed below. <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

**Course Evaluations:** Students should provide feedback on the quality of instruction in this course by completing online evaluations <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>.

**Email and E-Learning Policy:** Students are required to check their University of Florida email and e-Learning Course account daily. Dissemination of reminders and course material may occur via email or through announcements in e-Learning; it is the student’s responsibility to read and respond (if appropriate). *E-learning Help Desk:* <https://lss.at.ufl.edu/help.shtml> *Technical support:* 352.392.4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)

**Last Day to Withdraw:** In order 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. To view the **last day for withdrawal please visit** <http://www.registrar.ufl.edu/catalog/adhub.html>

**Library Resources Support:** <http://cms.uflib.ufl.edu/ask>

**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 advisor.

**Student Complaints Process:** [https://www.dso.ufl.edu/documents/UF\\_Complaints\\_policy.pdf](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf)

**Teaching Center:** General study skills and tutoring <http://teachingcenter.ufl.edu/> Broward Hall, 352.392.2010 or 352.392.6420.

**Writing Studio:** Formatting and writing papers assistance <http://writing.ufl.edu/writing-studio/>