



University of Florida  
 College of Health and Human Performance  
 Department of Applied Physiology & Kinesiology  
 Doctor of Athletic Training Program  
 Spring 2021 Course Syllabus | Last Date Revised: 9/5/2020

**COURSE INFORMATION**

ATR 7211c: Evidence Based Musculoskeletal Examination II (3 credits)  
 January 12, 2021 – April 23, 2021  
 Meeting Time: Tuesdays, 8:30 AM-11:30 AM  
 Meeting Location: Florida Gym, Yon Hall II, online

**INSTRUCTOR**

Dr. Brady L. Tripp, LAT, ATC  
 Clinical Associate Professor  
 Director, Doctor of Athletic Training Program  
 Office Location: 148 FLG  
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 Email: [trippb@ufl.edu](mailto:trippb@ufl.edu)  
 Office Hours: Tuesdays 2:00-4:00 and by appointment.

**COURSE DESCRIPTION**

Athletic Trainers develop skills and appraise the principles and procedures used in the musculoskeletal assessment of upper-extremity function and dysfunction. Topics include the statistical evaluation of diagnostic tests, 3-dimensional kinematics, interpreting contemporary diagnostic tests and treatment of upper-extremity pathology/dysfunction and critical reviews of related research. *Pre-requisite: ATR 7210c Evidence Based Musculoskeletal Examination I.*

**LEARNING OUTCOMES**

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

**REQUIRED TEXTS AND MATERIALS**

Textbook	ISBN
Reading materials will be available on the class Canvas page or the instructor will provide soft or hard copies in person. Journal articles will be used frequently. Other articles will be available online and retrieved from various libraries.	

## 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 will provide students with video lectures, content to supplement discussions, details regarding assignment expectations and grading criteria/rubrics and serve to assist the student with applicable resources for programmatic success within the Doctor of Athletic Training Program.

**Examinations:** Written examinations will be administered via Canvas 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](#)). 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 Canvas using lock-down browser or additional proctoring method. As a reminder, please be sure to have a secure internet access when taking examinations - do not use a Wi-Fi access, as this is not a stable and consistent option. 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 Canvas. If you have issues during an examination, please call the help desk 352-392-4357.

**Quizzes:** Written quizzes will assess learning progress from lecture material and assigned readings. There will be a time limit for each quiz. Written quizzes will be open on Canvas each class period (aside from review and exam dates) after the professor has addressed all student questions. Written 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 Canvas, students may use notes if permitted by the professor. Please read each question carefully and select the best answer to each question. Students should employ examination best practices (stated above) for Canvas quizzes. *Practical quizzes will assess your retention of material covered in the previous classes. Practical quizzes (n = 6-8) will be completed at the beginning of most classes, include 2-5 questions and range from 1-25 points.* There will be NO make-ups for missed quizzes (showing up late, etc.), unless exceptional conditions occur as defined in the [University of Florida Catalog](#).

**Clinical Diagnosis Presentations:** The professor will distribute Clinical Diagnosis topic assignments 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.

### **Literature Search and Critical Appraisals:**

Students complete 2 Critical Appraisal Videos (QUADAS or PRISMA) on studies included in your search results – studies that do not have QUADAS/PRISMA scores and matter in terms of decision-making.

### Clinical Diagnosis Presentation Rubric:

Criteria	Points
Email Dr. Tripp - Email Dr. Tripp your PubMed searches (consider emailing them to yourself from PubMed and then on to Dr. Tripp); Pathology or Special Test AND (sensitivity OR specificity OR likelihood ratio); limit 2010-current (due 10 days in advance)	16
Email Dr. Tripp and upload - Excel data for each Pathology and Special Test (Sens, Spec, +/- LRs) with references (due 10 days in advance)	16
Email Dr. Tripp article for class reading (if needed to describe new special test) (due 10 days in advance)	2
Upload final PowerPoint; make all suggested changes/additions; include all videos (due 5 days in advance)	22
Upload your hand-out sheet combined for all tests being presented with 'Rule In' and 'Rule Out' columns (email or print for classmates and print copies for TAs and Dr. Tripp if it is a F2F class) (due 5 days in advance)	6
Record videos of presenters performing each test (keep video camera fixed; use tripod or stand); videos should play automatically in PowerPoint; Upload YouTube videos into a playlist titled for week's topic (submit link to playlist)	14
Delivery of Presentation	20
Update/Revise Eval Sheet (due review day)	4
<b>Total</b>	<b>100</b>

### Literature Search and Critical Appraisals Rubric:

Criteria	Points
Search terms and results are appropriate	7
Correct study design checklist employed	7
Checklist items are interpreted and presented appropriately	48
PowerPoint quality	14
Video and narration quality	14
Video is within time restrictions (5 min. for a single study; 8 min. for SR or M-A)	7
A pdf of the article is included	3
<b>Total</b>	<b>100</b>

**Attendance:** Throughout the semester, various speakers present to the class. Your attendance for 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 DAT Program Policies and Procedures Manual*). Requirements for class attendance and make-up exams, assignments, and other work are consistent with university policies found in the [online catalog](#).

### 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").

<b>Excellent</b>	10 pts	Defines, describes, and illustrates concepts Explains, assesses and criticizes ideas Demonstrates preparation and reading of assignments
<b>Good</b>	8 pts	Defines, describes, and illustrates concepts Explains, assesses and criticizes ideas Evidence of reading assignments, but not fully prepared
<b>Reasonable</b>	6 pts	Defines, describes, and illustrates concepts Explains, assesses, or criticize some ideas Evidence of incomplete reading of assignments and preparation
<b>Basic</b>	4 pts	Defines and describes some concepts Explains but cannot assess and criticize ideas Clearly unprepared and lacking evidence of reading assignments
<b>Bare Minimum</b>	2 pts	Defines and describes some concepts Unable to explain, assess, or criticize ideas Clearly unprepared and lacking evidence of reading assignments
<b>Unacceptable</b>	0 pts	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 DAT Program Plagiarism Policy*).

## COURSE SCHEDULE (SUBJECT TO MODIFICATION)

The course progression will tentatively follow the schedule below:

Week	Date	Topics	Assignments
1	1-12	Overview of Syllabus and Discuss Projects	Syllabus Quiz; Discussion (Critical Thinking Questions and Participation)
2	1-19	Palpation, MMT, ROM & DME Lower Ext	Quiz; Discussion (CTQP)
3	1-26	Lower-Leg Foot & Ankle	2 Quizzes; Discussion (CTQP)
4	2-2	Knee	2 Quizzes; Discussion (CTQP)
5	2-9	Knee (cont)	2 Quizzes; Discussion (CTQP)
6	2-16	Hip, Thigh & Groin	2 Quizzes; Discussion (CTQP)
7	2-23	Review	Update/Revise Eval Sheets
8	3-2	Exam I: Written & Practical	
9	3-9	OA & Palpation, MMT & ROM Spine	Discussion (CTQP)
10	3-16	SI, Lumbar & Thoracic Spine	2 Quizzes; Discussion (CTQP)
11	3-23	Cervical Spine	2 Quizzes; Discussion (CTQP)
12	3-30	Concussion	2 Quizzes; Discussion (CTQP)
	4-2	Concussion – Jay Clugston	
13	4-6	Face & Mandible Fx	2 Quizzes; Discussion (CTQP)
14	4-13	Review	Discussion (CTQP) Update/Revise Eval Sheets
15	4-20	Exam II: Written & Practical	

CTQP, Critical Thinking Questions and Participation

## 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

Canvas Exams (2)	40%
Practical Exams (2)	18%
Clinical Diagnosis Presentation (1-2)	22%
Quizzes (17-19)	18%
<u>Critical-Thinking Questions and Participation (13)</u>	<u>2%</u>
TOTAL	100%

## COLLEGE/UNIVERSITY-WIDE POLICIES

**Academic Honesty:** 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](#) specifies a number of behaviors that are in violation of this code and the possible sanctions.

Furthermore, you are obliged to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult the 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.

**ADA Policy:** Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting their [Get Started](#) page. It is important for students to share their accommodation letter with their instructor and discuss their access needs, 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

**[Counseling and Wellness Center:](#)** 352.392.1575; *Sexual Assault Recovery Services (SARS)* Student Health Care Center, 352.392.1161.

**[Career Resource Center:](#)** Reitz Union, 352.392.1601

**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 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](#).

**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](#).

**Course Evaluations:** Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available [here](#). Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from

GatorEvals, in their Canvas course menu under GatorEvals, or [here](#). Summaries of course evaluation results are available to students [here](#).

**Covid-Related:** We will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](#).

**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 Canvas; it is the student's responsibility to read and respond (if appropriate). [E-learning Help Desk](#): 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** see [here](#).

### [Library Resources Support](#)

**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](#)

**Teaching Center:** General study skills and tutoring; Broward Hall, 352.392.2010 or 352.392.6420.

**Writing Studio:** Formatting and writing papers assistance