

Clinical Research in Athletic Training

ATR7628 | 3 Credits | Fall 2022

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Course Info

INSTRUCTOR

Christopher Brown, LAT, ATC, CSCS, PES, OPE-C
Clinical Associate Professor
Clinical Education Coordinator, Doctor of Athletic Training Program
Office: FLG124
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OFFICE HOURS

[By appointment](#)

MEETING TIME/LOCATION

Yon Hall 11: Thursday 8:30am-11:30am

COURSE DESCRIPTION

Equips Athletic Trainers with the knowledge, skills and abilities necessary to make independent judgments about the validity, results, and application of clinical research and to implement evidence-based clinical practice in their careers. Content addressed will enhance professional writing, scholarship appraisal and application of current evidence for improved patient outcomes.

PREREQUISITE KNOWLEDGE AND SKILLS

Admission into the Doctor of Athletic Training program.

REQUIRED AND RECOMMENDED MATERIALS

Textbook	ISBN	
Research Methods: A framework for evid. based clinical practice Author: Wendy Hurley, Jay Hertel, and Craig Denegar Year: 2010, Edition: 1 st	978-0781797689	Required
All other 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.		
Please view course fees (if applicable) at https://one.ufl.edu/soc/		

COURSE FORMAT

Course material will be presented through 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 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.

COURSE LEARNING OBJECTIVES:

1. Identify and examine the components and application of current evidence related to diagnostic accuracy, clinical decision-making and efficacy of clinical interventions (preventative and therapeutic).
2. Differentiate between research designs including cross-sectional, prospective cohort, and case-control.
3. Distinguish various levels of evidence and strength of recommendation information and select appropriate information for use within clinical practice.
4. Design a scholarly project suitable for submission to a peer-reviewed journal and/or sports medicine related conference presentation

Course & University Policies

ATTENDANCE POLICY

Throughout the semester we may have various guest 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). Prior preparation through chapter readings and outlining will enable active participation for productive discussions. 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>

PERSONAL CONDUCT POLICY

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 (<https://sccr.dso.ufl.edu/students/student-conduct-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.

- 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
- All students are expected to wear a mask in the classroom and stay home if they feel unwell
- The instructor reserves the right to ask any student to leave the classroom, if the student violates any the above class procedures

MAKE-UP POLICY

Examinations and Practical 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. <http://www.registrar.ufl.edu/catalog/policies/regulationattendance.html> Prior permission from the professor is required. 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: 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. 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>

Assignments: Assignments are due at the onset of class on the date assigned to them or submitted prior to the designated deadline in e-learning. Please type all assignments unless otherwise stated in the directions. Late assignments are not 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 must notify me with an explanation for missing class, in writing (email or letter), to receive an excused absence for class. Students are responsible for all materials missed because of an absence.

Scholarly Projects and Research Critiques: Throughout the course students will critically appraise current evidence and design a scholarly project/presentation. Projects, presentations and other assignments will be used to assess and apply content knowledge. Additional guidelines will be provided during class and/or within the e-Learning platform.

ACCOMMODATING STUDENTS WITH DISABILITIES

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 at <https://disability.ufl.edu/students/get-started/>. 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.

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 at <https://gatorevals.aa.ufl.edu/students/>. 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 via <https://ufl.bluera.com/ufl/>. Thank you for serving as a partner in this important effort. Students should provide feedback on the quality of instruction in this course by completing online evaluations. 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://gatorevals.aa.ufl.edu/public-results/>.

Getting Help

HEALTH & WELLNESS

- U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575
- Counseling and Wellness Center: <https://counseling.ufl.edu/>, 352-392-1575
- Sexual Assault Recovery Services (SARS) - Student Health Care Center, 392-1161
- University Police Department, 392-1111 (or 9-1-1 for emergencies) <http://www.police.ufl.edu/>

ACADEMIC RESOURCES

- 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>
- Career Connections Center, Reitz Union, 392-1601. Career assistance and counseling. <https://career.ufl.edu/>
- Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <http://teachingcenter.ufl.edu/>
- Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>
- Student Complaints On-Campus: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/> On-Line Students Complaints: <http://distance.ufl.edu/student-complaint-process/>

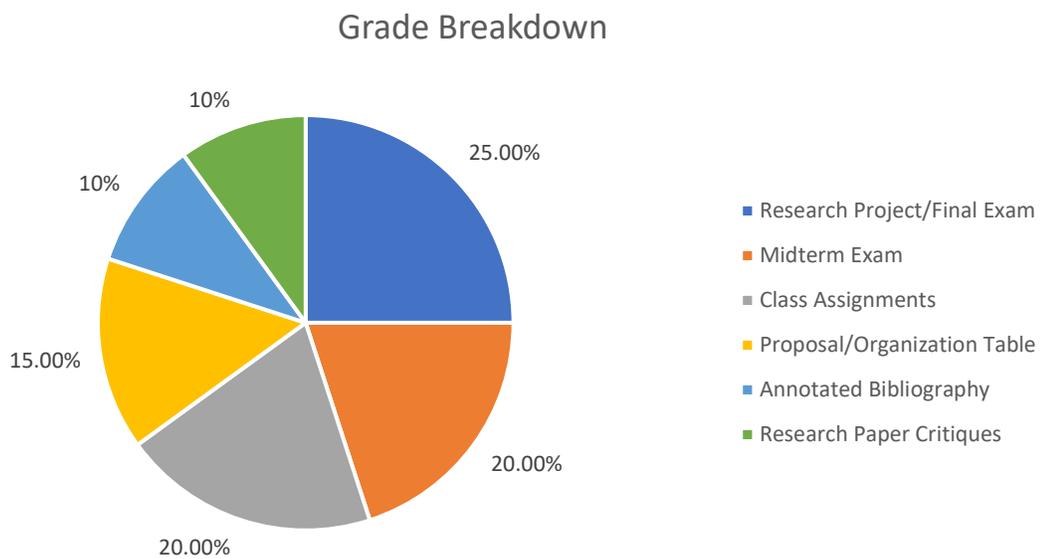
INCLUSION, DIVERSITY, EQUITY, AND ACCESSIBILITY RESOURCES

For suggestions or concerns related to IDEA, please reach out to any of the following:

- Dr. Linda Nguyen, APK IDEA Liaison, linda.nguyen@hhp.ufl.edu
- Dr. Rachael Seidler, APK Graduate Coordinator, rachaelseidler@ufl.edu
- Dr. Joslyn Ahlgren, APK Undergraduate Coordinator, jahlgren@ufl.edu

Grading (Information on Assignments in CANVAS)

1. Research Project/Final Exam	25%
2. Midterm Exam	20%
3. Class Assignments	20%
4. Topic Proposal/Organization Table and Articles	15%
5. Annotated Bibliography	10%
6. Research Paper Critiques and Presentations (3)	10%



GRADING SCALE

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

Weekly Course Schedule

Week	Topics	Assignments
1	Syllabus and Assignments Overview of Research	Chapter 1
2	How to Read Research Scholarly Appraisal/Critiques	Chapter 2
3	Evidence Based Clinical Practice	Chapter 3
4	Ethics and Responsibility	Chapter 5-6
5	Searching the Literature Hierarchy of Evidence	Chapter 7
6	Qualitative Research	Chapter 8
7	Midterm Exam	
8	Quantitative Research Reliability and Validity	Chapter 9-10
9	Measures of Comparison	Chapter 11
10	Measures of Association	Chapter 12
11	Screening and Injury Prevention	Chapter 14
12	Treatment Outcomes	Chapter 16
13	Final Exam/Research Project	