2014

ATTR 420-01 Research in Athletic Training

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Course Number: ATTR 420   Course Title: Research in Athletic Training
Credit Hours: 3 hours   Semester: Fall 2014
Time: T & R 10:00-11:15 pm   Classroom: Schmidt Fieldhouse Classroom 4

Catalogue Descriptions: A course designed to introduce students to the principles of scientific inquiry and research methods. Evaluation of published research and procedures for developing a research design are also emphasized. In addition, students will gain a basic understanding of statistics.

Instructor: Lisa S. Jutte, PhD, ATC   Office Hours: T 3:34-4:30 pm
Office: Joseph Building 319   W 10:00 am -12:00 pm
Phone: 745-3902 or by appointment
Email: juttel@xavier.edu

Learning Objectives:
After this course, I want and hope that students will be able to:
1. Develop clinical questions.
2. Understand where and how one may locate information related to their clinical questions.
3. Use a systematic approach to answering clinical questions.
4. Describe, contrast, and critically evaluate current literature and related sources of information.
5. Design a clinical research study, collect data, analyze the data and report the findings.
6. Develop the necessary skills to analyze, summarize, and interpret research found in current literature.
7. Identify ways in which current literature could influence athletic training clinical practice.
8. Understand how to assess patient status using clinical outcome measures.

Required Text:

Grade Weighting:

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Course Requirements:
- Exams (2 @ 100 pts) 200 points
- Case Report Abstract 50 points
- Case Report Poster Presentation 50 points
- Critically Appraised Topic (1 @ 50 pts) 50 points
- Research Project (1 @ 100 pts) 100 points
- Critically Appraised Topic II (1 @ 100pts) 100 points
- Critically Appraised Topic II Presentation 50 points
- Reflection Essays (2 @ 20 pts) 40 points
- Attendance
- Quizzes 70 points
- Class Assignments 70 points

Total: 640+ points
Exams:
Two written exams will be given during the semester. The types of questions found on exams may include any combination of the following: multiple choice, true/false, essay, matching, or short answer. You must take the exam during the period listed on the course schedule, failure to do so without prior arrangement will result in 0 points.

Case Report Abstract:
You will research a recent sports medicine related case and write a case report abstract following the NATA-REF Free Communication Guidelines. You must obtain written permission from the patient before reviewing any medical records. Unless I give prior approval, I will not accept late class assignments and I will only accept assignment in the assigned format, ie. electronic v. hard copy.

Case Report Poster Presentation:
You will create a 3x4 ft poster presentation for your Case Report following the NATA-REF Free Communication Guidelines. It will cost approximately $25 to print your poster in the Conaton Learning Commons Digital Media Lab. It will take 2 business days to print your poster, so plan ahead.

Critically Apprised Topic (CAT):
You will complete two critically appraised topic projects throughout the semester. You will work in groups of 2 for each project. For each project you will be expected to develop a clinical question using the PICO format, search for the most current relevant evidence, evaluate the available evidence and summarize your findings. You will submit a written report and present a summary of the evidence to your classmates and invited guests. Unless I give prior approval, I will not accept late class assignments and I will only accept assignment in the assigned format, ie. electronic v. hard copy.

Research Project:
You will develop a research question and attempt to answer it by designing a research study, collecting data, analyzing your data, and discusses your findings. During the course of this project you will submit a project proposal (20 pts), and research abstract using the NATA-REF Free Communication guidelines (40pts), as well a deliver an oral presentation summarizing your project (40 pts). Unless I give prior approval, I will not accept late class assignments and I will only accept assignment in the assigned format, ie. electronic v. hard copy.

Reflection Essays:
You will write an approximately 1-page personal essay reflecting on the role evidence currently has and could have on clinical athletic training practice.

Attendance:
Attendance is required and monitored. Each unexcused absence after the first offense results in 30 points deduction from your total course points. Absences will only be excused for sport assignment travel, unavoidable and documental events, or with prior approval of the instructor. There will be no make-up exams or quizzes and assignments will not be accepted late unless the instructor has granted prior approval.

Quizzes:
Quizzes may or may not be announced and will be given as needed. They will cover the daily reading assignment or material covered during that class period. Unless prior approval is given, quizzes cannot be make-up due to absences.
Class Assignments:
Assignments related to the class material may be submitted for credit. Unless I give prior approval, I will not accept late class assignments and I will only accept assignment in the assigned format, ie. electronic v. hard copy.

Academic Honesty:
Plagiarism and cheating will not be tolerated. Students suspected of academic dishonesty will be dealt with in accordance with University policy as outlined in the University catalog.