

MSU-Billings

**College of Education & Human Services
Department of Health and Physical Education
Fall 2009**

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| COURSE RUBRIC & TITLE: | HHP 598 Research Project –Athletic Training |
| INSTRUCTOR: | Suzette Nynas, ATC, MS, LAT |
| PHONE & OFFICE: | PE 119, 657-2351, Athletic Treatment Ctr. 657-2375 snynas@msubillings.edu |
| OFFICE HOURS: | As posted or by appointment |

COURSE DESCRIPTION

HHP 598: Provides graduate students an opportunity to research a selected topic in athletic training in close consultation with a graduate faculty committee. Students will present both in writing and orally their project to their committee in the last semester in the AT program.

TEXT(S):

American Psychological Association (2009). *Publication Manual of the American Psychological Association* (6th ed.) (2009). Washington, DC:

Gay, L.R., Mills, G.E & Airasian, P.W. (2008). *Educational research: Competencies for analysis and applications* (9th ed.). Upper Saddle River, NJ: Pearson

Course Goals: The instructor will plan, structure and guide the course consistent with this syllabus, striving to communicate clearly, evaluate students' work fairly, provide appropriate and constructive feedback and serve as a resource to students. Students are expected to be prepared for each class by having completed all relevant, outside work needed to contribute effectively and to conduct themselves always in a professional manner. It is expected that students will develop accurate understanding and an initial fluency in applying concepts in the following areas:

- The theoretical and empirical dimensions of athletic training research that provides the scientific foundation for a professional practice in athletic training
- Principles, techniques, philosophies and development that affect the practice decisions of ATCs
- Research techniques and writing procedures to expand knowledge in athletic training through publication.

Course Policies: The course is conducted consistent with the code of Student Conduct in the current MSU B Student Handbook and students must be familiar with academic honesty and related requirements.

Academic Dishonesty: will not be tolerated. Academic Dishonesty, as defined by the Code of Student Conduct, in all of its forms includes, but is not limited to cheating on tests, copying another student's test or homework, collaboration without authority, fabrication, inappropriate use of electronic devices, failure to hold one's fellow students equally accountable as oneself, misrepresentation and/or plagiarism. Any violation as outlined in the Student Code of Conduct will be forwarded to the Office of Student Affairs and will result in automatic failure of the course.

Attendance: Although no specified deductions of points are established for excused absences, students are expected to manage their attendance consistent with being professionals who have responsibilities to the class. Work conducted, assigned, collected, or graded during a particular class session is the student's responsibility – the instructor is not responsible for repeating the information. If a student has 2 unexcused absences (unexcused absence is no contact with instructor within 24 hours of absence), it will result in automatic failure of the course

Expectations: Since the course is a graduate course required of students preparing for profession of Athletic Training, students are expected to handle all assignments and activities in a professional manner. This involves being prepared for each class by completing all outside work needed in order to contribute effectively and conduct themselves in a professional manner in all class activities. By its nature as a course in HHP this course occasionally requires physical effort and skill, and students are expected participate. (In class physical activities will be announced to allow appropriate dress.)

Late Work: Students are responsible for managing the timeliness of their work and unless they have made prior arrangements, make-up quizzes or other late work is not acceptable or an option.

Accommodations: Students who have a documented disability or believe they need accommodations to complete course assignments should contact the instructor and/or the office of Disability Support Services (657-2283) during the first week of the course to provide the prior notice needed to make appropriate arrangements.

ASSIGNMENTS/EVALUATION CRITERIA:

- I. Proposal: Present a written proposal of your research project. This is a process not a one time paper. Revisions and rewrites should be expected. The proposal should include: review of literature, problem, purpose, hypotheses, research questions, methods, design and analysis. Typically 5-10 pages
- II. Proposal Meeting: present an oral summary of your proposal to a committee of three faculty members. Date and time to be arranged by student. Students may use AV or research equipment during this meeting. The meeting will be open for students and other faculty during the student presentation. The meeting will be closed when specific suggestions are made by the faculty.
- III. Literature Review: Each student must write a literature review. The literature review is a detailed review of the topic. The number of pages will vary but 20 are probably average.
- IV. Research Project: Each student must contribute to the research as primary investigator. The project may be new research or continuation of another project/research. The completed research project should be written and printed ready for submission to a peer reviewed journal
- V. Thesis: The thesis requires more extensive research, it must be original and requires additional steps to publish and bind according to university standards. The thesis guide is located on line at graduate studies office.
- VI. Oral Defense: Present the completed research project to a committee of three faculty members and the campus community. Date and time to be arranged at a later date.

Grading: Student work will be evaluated using a criterion-referenced format with total points possible during the semester as the criterion and grades assigned according to the following percentages:

Proposal = 100 points

Proposal meeting = 100 points

Literature review = 200 points

Research project = 1000 points

Oral defense = 200 points

A = 100-90%

B = 89-80%

C = 79-70%

D = 69-60%

Note: Failure to complete all assignments results in a grade of F

All work will be evaluated on the basis of completeness, factual accuracy, conceptual insight, coherence of organization, correct application/extension of principles, and fluency of presentation.

Course Schedule: This should allow each student to plan his/her commitments appropriately and is planned to guide our activities not a rigid timetable. The instructor reserves the right to make changes if necessary and will inform the class of any such changes in a timely manner.

- Intro and overview
- First draft proposal date
- Proposal due
- 1st deadline for project completion

20 expanded subject matter areas “NATA Athletic Training Educational Competencies.

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| (1) assessment of injury/illness | (6) human anatomy | (13) professional development and responsibilities |
| (2) exercise physiology | (7) human physiology | (14) psychosocial intervention and referral |
| (3) first aid and emergency care | (8) kinesiology/biomechanics | (15) risk management and injury/illness prevention |
| (4) <i>general</i> medical conditions and | (9) medical ethics and legal issues | (16) strength training and reconditioning |
| (5) health care administration | (10) Nutrition | (17) statistics and research design |
| | (11) pathology of injury/illness | (18) therapeutic exercise and rehabilitative techniques |
| | (12) pharmacology | (19) therapeutic modalities |
| | | (20) weight management and body composition |

| Fall Semester 2009 | |
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| Residence Halls Open | September 6 |
| Labor Day OFFICES CLOSED | September 7 |
| Classes Begin | September 9 |
| Late Registration Fee Applies (\$40.00) | September 11 |
| Students who have not completed fee payment or signed a fee statement before Friday, Sept. 11 will be disenrolled from classes and required to re-register. | |
| Last Day for Registering/Adding Classes | September 17 |
| Last Day for Withdrawing/Dropping Classes with a Partial Refund | September 29 |
| Columbus Day CLASSES IN SESSION - OFFICES OPEN (exchanged for Friday, Nov. 27) | October 12 |
| Last Day to Drop Classes Without Instructor Permission (No Refund) | October 27 |
| Registration for 2010 Spring Semester Begins | November 2 |
| Last Day to Apply to Graduate Spring Semester 2010 | November 6 |
| Last Day to Apply to Graduate Summer Semester 2010 (attending ceremony) | November 6 |
| Veteran's Day NO CLASSES - OFFICES CLOSED | November 11 |
| Last Day to Drop a Class with Approval of Advisor and Course Instructor | November 24 |
| Thanksgiving Holiday NO CLASSES | November 25-29 |
| Final Exam Week | December 14-17 |
| Semester Ends | December 17 |
| Residence Halls Close | 12 noon, December 18 |
| Grades Due in the Registrar's Office | 12 noon, December 23 |

Chapter 1: Introduction

Background

- Introduce your topic by describing the background of this research problem and why it is important to research in the field of Athletic Training. You will need to cite several sources/literature to provide the background for your topic.

Problem Statement

- State your problem statement as clearly and concisely as possible

Purpose Statement

- Tell the reader the purpose of your research project

Research Questions

- Which questions or hypothesis are you answering or addressing (2-3 questions)

Limitations and Delimitations

- Are there any limitations and delimitations to your research project?

Significance of the Study

- Why will your project be significant to the field of Athletic Training?

Summary

Chapter 2: Literature Review

Introduction

Literature Review

- What is the important research regarding this topic. Relate topic to the variables
- You should have between 40-45 resources

Summary

Chapter 3: Methods

Introduction

Research Design

- Describe the research design you will be using

Participants

- Describe your population

Instruments or Data Collection

- Explain which instruments you utilized and how you collected data. Also you will need to address the reliability and validity of the instrument.

Procedure

- Explain how you collected data (procedure), etc

Data Analysis

- Who and how will analyze data

Summary

Chapter 4: Results

Introduction

- Which statistical techniques did you use

Research Question 1

- Give results of statistical data

Research Question 2

- Give results of statistical data

Summary

- Describe but do not interpret

Chapter 5: Discussion

Introduction

- Discuss and interpret results
- Discuss results in terms of your literature review. What has previous research demonstrated? Are there similarities or dissimilarities?
- Draw conclusions, implications for study and further research as well as recommendation for follow-up research.

Summary

Reference Section

APA format

Make sure all is double spaced and formatted with margins and 12 pt Times New Roman font