

DEPARTMENT OF HUMAN MOVEMENT SCIENCES
FACULTY-STUDENT HANDBOOK

**MASTER OF SCIENCE DEGREE PROGRAM IN
KINESIOLOGY**

2009-2010



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HUMAN MOVEMENT SCIENCES FACULTY and STAFF SUPPORTING THE GRADUATE PROGRAM

HMS Graduate Faculty

Name	MS Kinesiology Program Disciplinary Area	Office	Office Phone (229-)	Lab	Lab Phone (229-)	e-mail @uwm.edu)
Stephen Cobb, PhD, LAT	Biomechanics	PAV 362	3369	END 132	5147	cobbssc
Margaret Duncan, PhD	Sociology of Physical Activity	END 419	5341	END 466	5120	mduncan
Kyle Ebersole, PhD, LAT	Exercise Physiology	PAV 364	6717	PAV 365	3362	ebersole
Jennifer Earl, PhD, LAT ATEP Program Director	Biomechanics	PAV 367	3227	END 132	5147	jearl
Chukuka Enwemeka, PhD	Dean, College of Health Sciences	END 898A	4712			enwemeka
William Gregory, PhD	Engineering	Cozzens Ctr	357-4400	Cozzens Ctr		wgregory
Wendy Huddleston, PhD, PT	Motor Behavior	PAV 361	3368	PAV 365A	NA	huddlest
Kevin Keenan, PhD	Motor Behavior	END 421	2336	END 136	5147	keenan
Barbara Meyer, PhD	Psychology of Physical Activity	END 471	4591	END 466	5120	bbmeyer
Victoria Moerchen, PhD, PT	Motor Behavior	PAV 366	2449	PAV 356B	NA	moerchev
Lori Neighbors, PhD, RD	Sociology of Physical Activity/Nutrition	END 455	3162	END 455	3162	neighbol
Kris O'Connor, PhD	Biomechanics	END 492	2680	END 132	5147	krisocon
J. Carson Smith, PhD	Psychology of Physical Activity	END 415	5553	END B52/56	1128	jcarson
Ann Snyder, PhD	Exercise Physiology	END 422	6065	END 130	5127	acs
Scott Strath, PhD	Exercise Physiology	END 449	3666	END 434	5676	sstrath
Ann Swartz, PhD Graduate Program Coordinator	Exercise Physiology	END 453	4242	END 434	5676	aswartz
Jinsung Wang, PhD	Motor Behavior	END 491	3226	END 136	5147	wang34
Kathryn Zalewski, PhD, PT Physical Therapy Program Director	Motor Behavior	PAV 360	3367	PAV 365		zalewski

HMS Staff

Name	Position	Office	Office Phone (229-)	e-mail @uwm.edu)
Carlynn Alt, PhD	Clinical Associate Professor	PAV 381	1742	altc
Susan Cashin, PhD Undergraduate Program Coordinator	Clinical Assistant Professor	END 445	3303	scashin
Chris Cramer, MS	Clinical Assistant Professor	END 429	6629	cramerc
Ann Dietrich, MSPT	Clinical Assistant Professor	PAV 363	2822	dietrica
Leah Dvorak, PhD	Clinical Associate Professor	PAV 369	2560	dvorak
Mukta Joshi, MS	Assistant Researcher, Neuromechanics Laboratory	END 136B	3056	joshi
Renee Manofsky, MS, LAT	Clinical Instructor	PAV 250G	0526	manofsky
Nora Miller, MS	Assistant Researcher, Physical Activity & Health Research Laboratory	END 441	4115	nem2
John Ochsenwald, MS, LAT	Clinical Assistant Professor	PAV 250B	6572	johno
Tracy Oles-Fairchild	Clinical Assistant Professor	END 435	6694	teo
Wendy Pribbanow, BA	Department Program Associate	END 411	6080	wlp
Becky Worman, LAT	Clinical Instructor	PAV 250H	6572	pzycho
Vacant	Department Program Associate	PAV 350A	3360	
Vacant	Clinical Assistant Professor- AT			
Vacant	Clinical Associate Professor			

GRADUATE PROGRAM POLICIES & PROCEDURES

STUDENT ADMISSION

1. Applications for the M.S. Kinesiology Graduate Degree program can be found at: "<https://apply.wisconsin.edu/>"
2. Please refer to the "Guide to the MS Kinesiology Application Process" in the Forms & Guidelines section of Handbook or on our website for details on the application process.
3. All applications will be reviewed by the Graduate Program Coordinator. She/he will prepare a "Graduate Student Application Data Summary" form for each application.
4. All applications and Graduate Student Application Data Summary forms will be circulated among the members of the Graduate Faculty and each member will vote to admit, not admit or discuss each applicant. In the case of mixed vote, the Graduate Faculty will meet to reach a final decision. The opinion of the member likely to serve as primary advisor to the applicant will be given special consideration.
5. Admission decisions are based on the applicant's credentials and the availability of faculty advisors.
6. Applications for non-degree students can be found at: "<https://apply.wisconsin.edu/>"

ADMISSION WITH PROBATIONARY STATUS

In some instances, students who have not met the above admission criteria may be admitted with probationary status. Students admitted with probationary status must earn a cumulative GPA of 3.0 or better at the end of 9 graduate credits or three semesters (whichever comes first) of graduate coursework. Students failing to remove their probationary status at the end of 9 graduate credits or three semesters will be academically dismissed from the program and The Graduate School.

DESIGNATION OF PRIMARY AND SECONDARY AREAS OF STUDY AND ADVISORS

1. The Graduate Program Coordinator, in conjunction with Graduate Faculty members, will assign each newly admitted student to a primary area advisor based on the new student's statement of preference and availability of advisor for area(s) of study in his/her application.
2. In the case where a new student has not yet determined his/her secondary area of study, he/she must do so no later than upon the completion of 12 graduate credits.
3. Students may initiate change of area(s) of study and/or advisor(s) at any time. The change of primary advisor or area of study is contingent upon review by the Graduate Faculty Committee. A petition form (see Forms & Guidelines section of Handbook) must be completed and submitted to the Graduate Program Coordinator.

THE PROPOSED PROGRAM OF GRADUATE STUDY

1. Each student, in conjunction with his/her primary and secondary advisors, will complete a "Proposed Program of Graduate Study" form (page 11). The form must be signed by the student and both area advisors then submitted to the Graduate Program Coordinator for review and approval no later than upon the completion of 12 graduate credits.
2. All graduate students must complete a minimum of 33 graduate credits, including the following required "core" courses:

Thesis Option Students

HMS-701 HMS Seminar (1 cr x 3; 1 Fall and 2 Spring semesters)
HMS-702 Statistical Analysis in Health Sciences (3)
HMS-703 Survey of Human Movement Sciences Research (3)
HMS-895 Research and Thesis (6)

Comprehensive Exam Option Students

HMS-701 HMS Seminar (1 cr x 3; 1 Fall and 2 Spring semesters)
HMS-702 Statistical Analysis in Health Sciences (3)
HMS-891 Research Seminar (3cr x2)

3. All students must complete a minimum of 9 graduate credits in their primary area of study and 6 graduate credits in their secondary area.
 - a.
4. All graduate students must complete at least one course in a third area of study and complete coursework in both the "life" and "social" sciences.
5. It is expected that students will periodically meet with their advisors throughout their coursework, prior to each registration period, and at any other time deemed necessary.

THESIS

1. It is strongly recommended that thesis students enroll in 2-3 credits of HMS 895 (Research and Thesis) with their primary advisor the semester prior to their enrollment in HMS 703 (Survey of Human Movement Sciences Research). The initial enrollment in HMS 895 should result in the student identifying a specific thesis topic and reviewing a substantial portion of the literature pertinent to the topic. Depending on the topic of the thesis and its integrative nature, an independent study with the secondary advisor may be warranted. Subsequent enrollment in HMS 895 (up to a total of 6 credits) should be divided to accommodate the time periods of data collection/analysis and thesis writing/defense.
2. Students will complete the first three chapters of the thesis proposal (Introduction, Review of Literature, and Methodology) during their enrollment in HMS 703. A draft of each chapter will be completed with guidance from the course instructor and the student's primary advisor (and secondary advisor and committee members where appropriate). The "Required Proposal/Suggested Thesis Format" guidelines will be followed within HMS 703 (see pages 17-18).
3. Each thesis student will have a thesis committee chaired by the student's primary area advisor, a second member selected from the HMS Graduate Faculty, and a third member mutually agreed upon by the student and the primary and secondary members.
4. Third members must hold a doctorate and be actively engaged in scholarly inquiry in the field, or related field, associated with the thesis topic. Any member who is not a member of the UWM Graduate Faculty will be required to file a curriculum vita with the Graduate Program Coordinator prior to approval as a committee member.

5. Students will submit a completed and committee-approved (signed cover page) thesis proposal (with documentation of IRB approval) to the Graduate Program Coordinator prior to student's collection of thesis data.
6. It is strongly recommended that each thesis student, in conjunction with his/her advisor, complete a "Thesis/Project Deadline Form" (page 15) towards the end of the semester he/she is enrolled in HMS 703.
7. Copies of the thesis will be made available to committee members at least 10 working days prior to the scheduled defense date.
8. Scheduling of the defense will be no less than one week prior to The Graduate School's final thesis submission deadline.
9. The student's thesis committee, by majority vote, will judge the outcome of the oral defense as "pass" or "fail".
10. In the event a student does not pass his/her oral defense, it may be repeated once after consultation with his/her thesis committee.
11. All thesis students must file an unbound copy of their approved thesis with the Graduate School (see [Graduate School's Master's Thesis and Doctoral Dissertation Format Requirements](http://www.graduateschool.uwm.edu/students/current/thesis-and-dissertation-formatting/)) (<http://www.graduateschool.uwm.edu/students/current/thesis-and-dissertation-formatting/>) and a hard bound copy with the Graduate Program Coordinator's Office and each member of the thesis committee. The Program Coordinator will provide guidance for the binding process.

COMPREHENSIVE EXAMINATION

1. All Comprehensive Examination Option students must enroll in HMS 891 (Research Seminar) with their primary advisor during or after their last semester of coursework. Within the HMS 891 (Research Seminar) course, the advisor and student will identify a specific topic for investigation, and review a substantial body of the pertinent literature in preparation for the specific final Comprehensive Exam. (Range of 20-40 research reports is typical depending on area and focus of topic.)
2. After reviewing the literature "Practice Exams" (minimum of 5 or 6 research articles) will be written by the student, reviewed and rewritten as necessary. The student will read then prepare, in writing, accompanying sets of answers to the generic set of "Comprehensive Examination Questions" (page 19).
3. When judged ready (by the advisor) to sit for the first portion of the Comprehensive Examination (primary area), the student will be given a research article in the topical area of interest and the generic set of exam questions. He/she will complete the examination without benefit of reference materials, within four hours, at a computer-equipped on-campus site mutually agreed upon by the student and advisor.
4. Following successful completion of the primary area exam, the student may schedule and sit for the secondary area examination, following the same procedures as those outlined above in 1-3.
5. In the event that the student fails* the first exam, the student and advisor will meet and discuss the results of the exam. Suggestions for additional preparation will be offered and a date set for a second administration of the exam over a new research article. If the student fails the second administration of the examination, he/she will receive a grade of "F" in HMS 891 and automatically be dismissed from the MS Kinesiology degree program.

- a. *When a primary (secondary) advisor judges a portion of the Comprehensive Examination to be unacceptable, he/she will seek the opinion of two additional Graduate Faculty members including the Graduate Program Coordinator and another member other than the student's primary (or secondary) advisor.
6. All completed exams (whether passed or failed) shall be filed in the student's folder with the Graduate Program Coordinator along with a copy of the research paper reviewed, and a cover memo indicating the letter grade assigned for the HMS 891 course.

GRADUATION

Students must be registered for at least one graduate credit during the semester the degree is awarded. If you have completed all required academic work, including successful defense of a thesis, or reached the limit of the number of credits allowed in your program, you may enroll in course HMS 888, "Candidate for Degree." Enrollment in HMS 888 is allowed only if you take no other courses that semester. See [the Graduation page on the Graduate School website](http://www.graduateschool.uwm.edu/students/current/graduation/) (<http://www.graduateschool.uwm.edu/students/current/graduation/>) for further details.

GRADUATE STUDENT MISCONDUCT POLICY

Academic misconduct is defined as "...an act in which a student seeks to claim credit for the work or efforts of another without authorization or citation, uses unauthorized materials or fabricated data in any academic exercise, forges or falsifies academic documents or records, intentionally impedes or damages the academic work of others, engages in conduct aimed at making false representation of a student's academic performance, or assists other students in any of these acts." (http://www4.uwm.edu/acad_aff/policy/academicmisconduct.cfm) The UWM Academic Misconduct Procedures are outlined by the University and posted on the University website (http://www4.uwm.edu/acad_aff/policy/academicmisconduct.cfm) will be followed if any academic misconduct is suspected.

Student enrolled in or admitted to the Human Movement Sciences' Graduate Kinesiology Program are expected to maintain the highest ethical standards. The Department will investigate any allegations of academic misconduct according to UWM Academic Misconduct Procedures outlined by the University.

Student's Right to Appeal – Any student suspended from the Human Movement Sciences' Graduate Kinesiology Program has the right to appeal. The Graduate School Scholastic Appeals Committee (SAC) serves as the academic misconduct appeals hearing committee for all graduate students. Please see <http://www.graduateschool.uwm.edu/students/policies/appeals-and-exceptions/#misconduct> for more information.

GRADUATE STUDENT APPEALS PROCEDURE

Graduate students who wish to appeal an academic decision must comply with the procedures listed in the current Graduate School Bulletin.

For purposes of appeals to the Department of Human Movement Sciences Graduate Faculty Committee, the following definitions apply to terms used in the Bulletin (<http://www.graduateschool.uwm.edu/students/policies/>):

1. "Graduate Student" is defined as any student enrolled for graduate credit in the Department and registered as a graduate student at the University of Wisconsin-Milwaukee.
2. "Appropriate Authority within the Department Faculty Body" and "Graduate Faculty of the Program Concerned" are defined as the Department Graduate Faculty Committee members who are present at the meeting during which an appeal is heard; the Department does not have a separate standing appeals committee.

3. Graduate programs include non-degree as well as degree, and non-certificate as well as certificate, courses of study.

In order that the Department Graduate Faculty Committee may make an informed and impartial ruling on Step 2 Appeals (see current Graduate Bulletin: "Standards, Regulations, and Requirements"), the following procedures will be followed:

1. Appeals must be made in writing and submitted to the Department Graduate Program Coordinator (or to the Department Chair if the Program Coordinator is directly involved) and must include the following:
 - a. A description of the action that prompted the appeal.
 - b. The rationale for claiming that the action was inappropriate.
 - c. The specific remedy sought.
 - d. A rationale explaining why the remedy sought is appropriate.
2. The appeals meeting will have both evidentiary and deliberation portions:
 - a. Students may be accompanied by individual of their choice for personal support or advice, but this individual may not be a witness in the matter and may not actively represent or participate in the appeal. Students may present witnesses and evidence in support of their appeals during the evidentiary portion.
 - b. The evidentiary portion can be closed where the provisions of Wisconsin Statutes 19.85 (1) (f) are met and an appropriate closed session motion is passed.
 - c. The deliberation portion of the meeting can be closed where the provisions of Wisconsin Statutes 19.85 (1)(a) or sec. 19.85(1)(f) are met and an appropriate closed session motion is passed.
3. The Graduate Faculty Committee's action will be determined by a majority vote of the members present and voting.
4. In most cases, student appeals will be placed on the agenda of the next regular Graduate Faculty Committee meeting. Special meetings to hear student appeals will be scheduled when a majority of those present and voting at a regular meeting of the Committee vote to do so.

Updated May 2009

GRADUATE TEACHING ASSISTANTSHIPS

1. A number of Graduate Assistantships (GAs) may be awarded annually to a maximum of 3 years. The number of positions and areas of responsibility vary with enrollment and faculty funding. Assistantships may be Teaching (TA), Research (RA), or Project (PA).
2. Every effort will be made to assign GAs to the teaching or research area that is consistent with their primary area of graduate study.
3. New TAs will be expected to attend the lecture sections of the undergraduate courses they assist and all orientations.
4. GAs represent the Department and the University, and as such will conduct themselves in a professional manner.

5. The workload assigned GAs will be consistent with the MGAA contract guidelines.
6. To apply for a Teaching, Research or Project Assistantship, please complete the "MS Kinesiology Graduate Assistantship Application". This application can be found in the "Forms & Guidelines" section of Handbook or on the web. Return the form to the Graduate Program Coordinator by January 15th. There are currently fewer positions than students in the program, so selection is competitive.
7. To continue in a GA line a student must maintain appropriate grades and meet performance criteria described in specific position descriptions. The College of Health Sciences Policy defining GA in Good Standing is quoted below:

College of Health Sciences
Graduate Assistant
“In Good Standing” Policy

College of Health Sciences (CHS) Graduate Assistants (GA) must be “in good standing” with their respective departments, the CHS, and the Graduate School. To be “in good standing”

GAs must:

- Maintain a minimum current GPA of 3.0
- Be enrolled in the appropriate minimum number of graduate credits for the level of appointment each semester (e.g., 6 credits/semester if 33% or more, 8 credits/semester if less than 33% appointment).
- Demonstrate satisfactory progress in thesis/project, research/research seminar
- Satisfactorily perform and carry out all assigned graduate assistantship duties and responsibilities as demonstrated through evaluations conducted with supervising faculty each semester

April 4, 2005

ADMINISTRATIVE POLICIES

The graduate program in Kinesiology strictly adheres to The Graduate School’s “Administrative Policies” as described in the Graduate School Bulletin on the Graduate School website (<http://www.graduateschool.uwm.edu/students/policies/>). These policies pertain to affirmative action, student conduct, student rights, student responsibility, sexual harassment, policies and programs concerning illicit drugs and alcohol, and discriminatory conduct. Graduate students and faculty should familiarize themselves with this information.

FORMS & GUIDELINES

GUIDE TO THE MS KINESIOLOGY APPLICATION PROCESS

To be considered for admission and funding, the UWM Graduate School and Department of Human Movement Sciences must receive all materials by the application deadlines.

Items to be submitted to the Graduate School:

Fall Graduate School application materials deadline: **Jan. 15**

Spring Graduate School application materials deadline: **Nov. 1**

- Application** Complete the UWM Graduate School application form on-line at: <https://apply.wisconsin.edu/>
- Transcripts** Request that the transcripts for all colleges, universities (except UWM), technical schools, and diploma programs you have attended be sent to the Graduate School. A bachelor's degree from an accredited program, with a minimum undergraduate grade point average of a least 2.75 on a 4.0 scale is required for admission to the Graduate School. (Note: Dept. HMS minimum recommended GPA for admissions is 3.0 on a 4.0 scale).
- Narrative Statement** The Narrative Statement requested by the Graduate School must include:
 1. A rationale for graduate study and pursuit of an MS Kinesiology degree
 2. Initial selection of primary and secondary areas of study (based on rationale for graduate study) within the MS Kinesiology degree program at UWM (Biomechanics, Exercise Physiology, Motor Behavior, Sociology of Physical Activity, Sport and Exercise Psychology)
 3. Long-range career goals
 4. Professional, academic, and/or research activities performed during your undergraduate career and/or since receiving your bachelor's degree
 5. Strengths you bring to graduate study in Kinesiology at UWM
- Application Fee** Information on the current graduate application fee is available on the Graduate School application form.
- Graduate Record Exam** Make arrangements to have your Graduate Records Exam (GRE) results sent to the UWM Graduate School (Graduate Institution code: 1473, Dept. code 0623). The GRE must have been taken within the past 5 years. Target minimum scores are 500/500 in verbal/quantitative sections. Visit the GRE website for more information about registration and preparation: www.gre.org. According to the GRE website, allow 10-15 days from the test date for UWM to receive the scores (so plan accordingly).
- International Students only** There are additional requirements for international applicants. Please see the current Graduate School Bulletin (<http://www4.uwm.edu/cie/futurestudents/69/>) for detailed information on application procedures and requirements or contact the Center for International Education at 414-229-4846.

Items to be submitted to the Department of Human Movement Sciences:

Fall Human Movement Sciences application materials deadline: **Jan. 15**

Spring Human Movement Sciences application materials deadline: **Nov. 1**

- Pre-requisite Course(s)** The applicant will be required to have pre-requisite course work in primary and secondary areas of study. For example, if you are interested in Biomechanics as your primary area of study, you will be required to have successfully completed an undergraduate biomechanics course. The pre-requisite courses must have been completed within the last five years, with a grade of 'B' or better. Pre-requisite course deficiencies must be completed prior to admission or by the end of the first semester after enrollment.
- Letters of Recommendation (2)** Letters of recommendation from two persons familiar with the applicant's academic and professional strengths, and knowledgeable about the applicant's potential for successful graduate study, should be sent directly to the HMS Graduate Program Director. A minimum of one individual should be an academic reference.
- Funding Application** The HMS Graduate student Funding Application should be completed only if you are interested in a graduate assistantship position (teaching, research or program assistantship) (<http://www4.uwm.edu/chs/academics/graduate/hmsgraduate/index.html>) or a Chancellor's Graduate Student Award (<http://www.graduateschool.uwm.edu/>).
- Personal Interview (Optional)** A faculty member may request a personal interview for consideration of admission and/or funding.

UWM Graduate School Contact Information:

Joyce Hamm, Program Service Representative, Kinesiology
 UWM – Graduate School
 Mitchell Hall Room 261
 PO Box 340, Milwaukee, WI 53201
jhamm@uwm.edu
 Phone: 414-229-5317

Department of Human Movement Sciences Contact Information:

Ann Swartz, PhD, Graduate Program Coordinator
 UWM Department of Human Movement Sciences
 Enderis Hall Room 435
 PO Box 413, Milwaukee, WI 53201-0413
aswartz@uwm.edu
 Phone: 414-229-4242

Thank you for considering the MS Kinesiology Program at UWM!



MS KINESIOLOGY GRADUATE ASSISTANTSHIP APPLICATION

To be considered for admission and funding, the UWM Graduate School and Department of Human Movement Sciences must receive all materials by the application deadlines.

NOTE: This application does not constitute application for Graduate School

Please submit the MS Kinesiology Graduate Assistantship application by JANUARY 15th and direct questions to:

Ann Swartz, PhD, Graduate Program Coordinator
UWM Department of Human Movement Sciences
Enderis Hall Room 435
PO Box 413, Milwaukee, WI 53201-0413
aswartz@uwm.edu
Phone: 414-229-4242

Applicant Information

Name: _____

Date Graduate School Application submitted to UWM Graduate School: _____

Mailing Address: _____

e-mail Address: _____

Intended Semester of Entry:
Fall Spring Summer
Intended Year of Entry: 20_____

Phone Number: _____

Undergraduate Institution 1

Name of Institution: _____
Degree/Major/Minor: _____
Overall GPA: _____
Date of graduation or expected graduation: _____

Undergraduate Institution 2 (if applicable)

Name of Institution: _____
Degree/Major/Minor: _____
Overall GPA: _____
Date of graduation or expected graduation: _____

Graduate Institution (if applicable)

Name of Institution: _____
Degree/Major/Minor: _____
GPA: _____
Date of graduation or expected graduation: _____

Advisor: _____

Other (if applicable)

Please list other Education, Training, Certifications, etc.

Please check your intended primary area of concentration at UWM

- Biomechanics Sport and Exercise Psychology
 Exercise Physiology Sociology of Physical Activity
 Motor Behavior

Please check your intended secondary area of concentration at UWM

- Biomechanics Sport and Exercise Psychology
 Exercise Physiology Sociology of Physical Activity
 Motor Behavior

Please check the Graduate Assistantship(s) in which you are interested:

Teaching Assistantships:

- Biomechanics Introductory level Kinesiology classes
 Exercise Physiology Motor Learning/ Motor Development
 Psychology, Sociology, Statistics

For more information on Dept. HMS Teaching Assistantships, please see: <http://www4.uwm.edu/CHS/academics/graduate/hmsgraduate/assistantships.html>

Research Focused Awards & Fellowships:

- Chancellor's Graduate Student Award
 Graduate School Fellowship
 Advanced Opportunity Program Diversity Fellowship

For information on the Chancellor's Graduate Student Award, please see: <http://www.graduateschool.uwm.edu/faculty-staff/award-processing-guidelines/chancellors-awards/>

For information on the Graduate School Fellowship and the Advanced Opportunity Fellowship, please see: <http://www.graduateschool.uwm.edu/students/financial-support/fellowships/>

Research and Program Assistantships: Please contact the individual Faculty member you would like to work with to inquire if funding is available.

Please attach Narrative Statement provided to Graduate School as part of your Graduate School Application and a copy of your curriculum vitae or resume.

Information will be verified with your Graduate School Application.

Thank you for considering the MS Kinesiology Program at UWM!

DEPARTMENT OF HUMAN MOVEMENT SCIENCES
M.S. KINESIOLOGY
PROPOSED THESIS COMMITTEE AND TOPIC

Name: _____ Date: _____
Telephone (Cell) _____ (W) _____ E-mail: _____
: _____

Thesis Committee Chair: _____

Thesis Committee Members: _____

Proposed Topic: _____

Thesis Proposal Title: _____

Thesis Title: _____

For completion by the Graduate Program Coordinator:

	Date
<i>Thesis Proposal Meeting</i>	_____
<i>Thesis Proposal Approved</i>	_____
<i>IRB Approval</i>	_____
<i>Thesis Defense</i>	_____
Submission of Thesis to the Graduate School	_____

Must be filed prior to enrollment in HMS 703.
Copies to: Student, Advisors/Committee Members, Graduate Program Coordinator

Quantitative Research Article Summary/Critique Outline

1. Reference Citation (APA Format used for 703/Thesis Proposal)
2. Purpose of the study
3. Rationale for the study
4. Research Hypothesis(es) and/or Research Question
5. Literature Review: Comprehensive, current, critical
6. Method
 - a. Participants
 - 1) Method of Selection, Assignment to groups, Attrition, etc.
 - 2) Characteristics (e.g., ht, wt, age, sex, race, SES)
 - 3) Human subjects considerations (informed consent)
 - b. Instrumentation
 - 1) Measures (scales, validity, reliability, calibration)
 - 2) Procedures (task instructions, test schedule)
 - 3) Data analysis (processing, reduction, etc)
 - c. Statistical Analysis(es)
 - 1) Design/Tests
 - 2) Significance level, Effect size, Power
 - 3) Appropriateness (assumptions met?)
7. Results (appropriate interpretation of statistical results)
8. Conclusions
 - 1) internal validity
 - 2) external validity (generalizability)
 - 3) scientific relevance/significance
 - 3) clinical/professional/practical relevance/significance
9. Important features relevant to your proposed study
 - 1) model description of method or new method introduced
 - 2) specific subject group used
 - 3) weaknesses to be avoided
 - 4) results to extend or refute
 - 5) other...

Qualitative Research Article Summary/Critique Outline

1. Reference Citation (APA Format used for 703/Thesis Proposal)
2. Purpose/goals of the study
3. Rationale for the study
4. Theoretical Perspective (initial and subsequent if appropriate)
4. Research Question
5. Literature review: Comprehensive, current, critical
6. Method

Study Design and Investigator Role

Rationale for study design – why naturalistic in general, and why specific method of data collection (e.g., participant-observation, semi-structured interview, etc)

Trustworthiness (e.g., credibility, dependability, confirmability, transferability)

a. Participants

- 1) Method of selection
- 2) Basis for inclusion
- 3) Demographics
- 4) Human subjects considerations (informed consent)

b. Data Collection

- 1) Measures/Instruments
- 2) Procedures (instructions, schedule)
 - 3) Data analysis (processing, pattern/theme identification, etc)
 - 4) Researcher as “instrument”

c. Interpretation/Analysis

- 1) Inductive
- 2) Emergent design description?

6. Results (appropriate interpretation)
7. Conclusions
 - 1) scientific/theoretical relevance/significance
 - 2) clinical/professional/practical relevance/significance
8. Important features relevant to your proposed study
 - 1) model description of method or new method introduced
 - 2) specific subject group used
 - 3) weaknesses to be avoided
 - 4) results to extend or refute
 - 5) theoretical perspective
 - 6) other...

Thesis/Project Deadline Form

Student _____

Target Date

- _____ Pilot Data Collection as Necessary
- _____ Pilot Data Analysis as Necessary
- _____ Secure "Letters of Cooperation" as Necessary
- _____ Secure "Parental Approval Letters" as Necessary
- _____ Human Subjects Approval at Appropriate Level
- _____ Approval of Proposal by Committee
- _____ Written Proposal Submitted (first three chapters)

- _____ Chapter I: Introduction
- _____ Chapter II: Review of Literature
- _____ Chapter III: Methods

- _____ Identification of Participant Pool
- _____ Data Collection
- _____ Data Analysis
- _____ Resubmission of First Three Chapters and Results/Discussion Chapter
- _____ Resubmission of Results or Results and Discussion Chapter
- _____ Submission of Discussion or Summary and Conclusions Chapter
- _____ Resubmission of Discussion or Summary and Conclusions Chapter
- _____ Submission of Thesis
- _____ Resubmission of Thesis
- _____ Oral Defense
- _____ Final Submission of Thesis (incorporating changes made post Oral Defense)
- _____ Deposit Unbound Thesis with Graduate School
- _____ Deposit Bound Thesis Copies w/ Committee, Graduate Program Coordinator

Required Proposal/Suggested Thesis Format (Quantitative)

- I. Chapter I: Introduction
 - A. Background to the problem/question
 - B. Statement of Purpose
 - C. Scope/delimitations of the study
 - D. Assumptions of the study
 - E. Limitations of the study
 - F. Significance of the study
 - 1. Practical
 - 2. Scientific
 - a. Integrative
 - b. Testing of theoretical position
 - c. Replication of past work & extension
 - G. Definition of terms
- II. Chapter II: Review of Literature
 - A. Introduction
 - 1. Restatement of problem/purpose
 - 2. What will be reviewed and why
 - 3. Brief statement as to organization of chapter
 - B. Review of Literature
 - 1. Sections
 - a. Introduction section including organization of section
 - b. Sub-sections
 - c. Summary of section
 - C. Overall summary of chapter
- III. Chapter III: Methods
 - A. Restatement of problem/purpose
 - B. Subjects/Participants
 - 1. Selection procedures
 - 2. Description
 - a. age
 - b. number
 - c. sex
 - d. SES
 - 3. Protection of human subjects/IRB documents provided in an appendix
 - C. Design
 - 1. Control group; repeated measures; etc.
 - 2. Description of variables and their measurement
 - a. Independent variables
 - b. Dependent variables
 - c. Control variables
 - D. Instrumentation
 - 1. Description to include names(s) of instruments, validity, reliability, calibration, etc.
 - E. Procedure
 - 1. Experimental setting
 - 2. How subjects were brought in
 - 3. What subjects were told
 - 4. How did control and treatment groups differ
 - 5. What instructions were given subjects
 - 6. Order of protocol/task
 - 7. Number of experimental sessions, temporal spacing, length of sessions, etc.
 - 8. Debriefing of subjects
 - F. Data Analysis
 - 1. Quantitative analysis
 - a. statistical analyses to be conducted and why
 - 2. Qualitative analyses to be conducted and why
- IV. Chapter IV: Results (or Results and Discussion)
- V. Chapter V: Discussion of Results
- VI. Chapter VI: Summary, Conclusions, Recommendations for Future Study

Required Proposal/Suggested Thesis Format (Qualitative)

- I. Chapter 1: Introduction
 - A. Background to the problem/question
 - B. Statement of purpose/goals
 - C. Study "design" and data sources.... Type of naturalistic inquiry and why
 - D. Scope/delimitations of the study
 - E. Assumptions of the study
 - F. Limitations of the study (including author statement/personal history related to topic)
 - G. Significance of the study
 - 1. Practical
 - 2. Scientific
 - 3. Integrative
 - H. Testing of theoretical position
 - I. Replication of past work and extension
- II. Chapter 2: Review of Literature
 - A. Introduction
 - 1. Restatement of problem/purpose
 - 2. What will be reviewed and why
 - 3. Brief statement as to organization of chapter
 - B. Review of Literature
 - 1. Sections
 - Introduce section, including organization of section
 - Sub-sections
 - Summary of section
 - C. Overall summary of chapter
- III. Chapter 3: Methods
 - Restatement of problem/purpose
 - B. Study "design" and researcher role
 - Data sources
 - Setting
 - How selected
 - How entry obtained
 - How long and regularly involved in setting
 - Participants
 - Demographics
 - How/why participants selected
 - Data collection
 - Method(s)
 - Procedures
 - Researcher as "instrument" (or, could come above in I.F)
 - Interpretation and analytic strategies

 - Trustworthiness (accuracy)
 - Credibility
 - Dependability
 - Confirmability
 - Transferability
- IV. Chapter IV: Results and Discussion
- V. Chapter V: Summary, Conclusions, Implications for Future Study and Application

COMPREHENSIVE EXAMINATION QUESTIONS

Questions related to the mechanics of the article(s) assigned:

1. Identify the research question of the study (studies). From the investigator's perspective, why is it important to pose this question?
2. Describe the design and execution of the study (studies) in terms of methodological adequacy (e.g., instrumentation, procedures, statistics). Note the strengths and/or limitations of the study (studies) that influence the level of contribution it may make to the literature.
3. Evaluate the discussion section by a) section organization and b) integration of cited literature.

Questions related to ability to "place the study in context" or understand its meaning:

1. Compare/contrast results of the study with relevant literature.
2. What may the results mean with respect to relevant professional practice?
3. What is the scientific significance of the study?
4. Given the results of the study, propose the next study question and provide justification/explanation.

Questions related to philosophies of scholarly inquiry, including integrative and multidisciplinary considerations:

1. Identify and briefly explain the theoretical perspective(s) examined by the author(s) of the study.

Answer A or B (as instructed):

- a) Identify and briefly explain the underlying assumptions of each theoretical perspective identified above.
 - b) Identify and briefly explain the mechanism/model or proposed mechanism/model addressed in this study.
2. Suggest an alternative approach to the central question of this study that draws on theory or method of another human movement sub discipline. Describe how the alternative may enhance the scientific understanding of the research problem.

Master of Science Kinesiology Degree Program Courses in Human Movement Sciences

Core Courses (credits)

HMS-701 HMS Seminar (1fall+2 spring to a total of 3)
HMS-702 Statistical Analysis in the Health Sciences (3)
HMS-703 Survey of Human Movement Sciences Research (3)

Thesis Option

HMS-895 Research and Thesis (1-6 to total of 6)

Comprehensive Exam Option

HMS-891 Research Seminar (3+3 to total of 6)

Biomechanics

HMS-520 Advanced Biomechanics (3)
HMS-521 Pathoetiology of Musculoskeletal Injury (3)
HMS-522 Qualitative Analysis of Human Movement (3)
HMS-590 Biomechanics of Injury and Repair (3)
HMS-720 Introduction to Biomechanics Instrumentation (3)
HMS-725 Interdisciplinary Themes in Biomechanics (3)
HMS-822 Biomechanics Research Practicum (3)

Exercise Physiology

HMS-530 Advanced Exercise Physiology (3)
HMS-532 Electrocardiography Interpretation (3)
HMS-590 Physiological Foundation of Human Performance
HMS-730 Advanced Metabolic/Endocrine Physiology of Exercise (3)
HMS-731 Advanced Cardiorespiratory Physiology of Exercise (3)
HMS-732 Physical Activity Epidemiology (3)
HMS-733 Advanced Physiological Assessment (3)
HMS-830 Adaptations to Physiological Stress (3)
HMS-930 Practicum and Seminar in Exercise Physiology (3)

Motor Control

HMS-561 Control of Goal-Directed Voluntary Movement (3)
HMS-590 Neurophysiology of Human Movement (3)
HMS-761 Concepts of Human Motor Control (3)
HMS-762 Research Practicum in Motor Control (3)
HMS-860 Seminar in Motor Control (variable subtitle) (3)

Psychology of Physical Activity

HMS-550 Psychological Aspects of Human Movement (3)
HMS-551 Psychology of Injury/Illness/Disease: Implications/Strategies for Rehab (3)
HMS-552 Psychology of Personal Excellence (3)
HMS-555 Exercise Psychology (3)
HMS-590 Exercise Neuroscience (3)
HMS-850 Seminar in Psychosocial Aspects of Physical Activity (variable subtitle):
 (Applications to Sport and Exercise) (3)
 (Social Psychological Issues in Physical Activity) (3)
HMS-851 Psychological Factors in Preventive and Rehabilitative Exercise (3)

Sociology of Physical Activity

HMS-570 Sociological Aspects of Physical Activity (3)

HMS-575 (590) Social Constructs of Obesity (3)

HMS-590 Public Health and Food Politics (3)

HMS-870 Seminar in Sociological Aspects of Physical Activity (3)

HMS-871 Socialization and Physical Activity (3)

Other Courses

HMS-590 Current Topics in Human Movement Sciences

HMS-590 SPSS Practicum

HMS-590 Technical Entrepreneurship

HMS-798 Independent Project

HMS-799 Independent Reading

HMS-888 Candidate for Degree (1) may be repeated

HMS-890 Research Project

HMS-910 Advanced Seminar in Health Sciences (PhD)

HMS-991 Doctoral Dissertation (PhD)

HMS-999 Advanced Independent Study (PhD)

***Those classes indicated by grey text are not offered on a regular basis.

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