

November 20, 2008

MEMORANDUM

TO: CHHP Curriculum Committee Members

FROM: John Dobson, PhD

SUBJECT: New Course Proposal

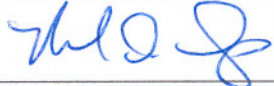
The following are curriculum requests for consideration at the December 2 CHHP Curriculum Committee Meeting. These changes would be effective Fall 2009:

1. APK 4xxx – Research Methods

Credit: 3

Course Description: The overarching goal of this course is to develop students' knowledge and appreciation of research methods in physical education and health. To achieve this goal, the student will: (a) demonstrate an understanding of the basic research methods and techniques and how they are used in credit within a semester solving research problems, (b) effectively discuss research in kinesiology and the trends for future research, (c) demonstrate an appreciation for research in kinesiology and the research efforts of others, (d) demonstrate an ability to correctly interpret a variety of descriptive and Mark all that apply: inferential statistics, (e) demonstrate an ability to plan and conduct a research study, and (f) analyze, summarize, and interpret research writing in professional journals.

PART 1: TO BE COMPLETED BY THE INSTITUTION

Institution Name: University of Florida		Institutional Code: 001535	Instructional Unit or Department Name, Department Code: APK		
Recommended SCNS Course Identification:					
Discipline (SMA) _____		Prefix APK _____	Level 4 _____	Course Number _____	Lab Code _____
Institution's Course Title: Research Methods					
Effective Term and year course will first be offered: Fall 2009					
Amount of Credit: 03		Contact hour base ^x _____ or Headcount _____		If Repeatable Credit or Variable Credit: _____ total repeatable credit allowed _____ minimum / _____ maximum credit within a semester	
Course Description (attach a course syllabus): Designed to provide an understanding of basic research methods and techniques used in applied physiology and kinesiology. Students will demonstrate their knowledge of the course material by analyzing, interpreting and summarizing research writing in professional journals and by planning a research study.				Mark all that apply: Rotating Topic <input type="checkbox"/> yes <input checked="" type="checkbox"/> no S/U Only <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Repeatable for Credit <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
Prerequisites: (This form does not update ISIS or registration prerequisite checking.) Student classification of 3, 4, 6, or 7 and major is APK					
Corequisites:					
All faculty teaching this course have completed at least 18 graduate semester hours in the teaching discipline and hold at least a master's degree. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Degree Type (Mark all that apply.): <input type="checkbox"/> Associate of Arts <input checked="" type="checkbox"/> Baccalaureate <input type="checkbox"/> Graduate Study <input type="checkbox"/> Other (specify):					
Category of Instruction: <input type="checkbox"/> Introductory <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Advanced					
Department Contact, Telephone Number, Email Address and PO Box: (Date) Alison Davis, 392-0584x1275, adavis2@hhp.ul.edu, PO Box 118205			Signature, Department Chair: (Date)  12/3/08		
College Contact, Telephone Number, Email Address and PO Box: (Date) DeEtta Rhodes, 392-0578x1227, drhodes@hhp.ufl.edu, PO Box 118200			Signature, College Dean: (Date)		
Signature, Graduate Dean (if applicable): (Date)			Signature, Registrar (institutional contact): (Date)		

PART 2: TO BE COMPLETED BY THE FACULTY DISCIPLINE COMMITTEE REPRESENTATIVE

Approved Course Classification (Prefix, Number, Lab Code):	
If not the same as recommended by institution, please explain:	
SCNS Course Title (if new): _____	
Decade Title (if new): _____	
Century Title (if new): _____	
Signature, Faculty Discipline Committee Representative: _____	Date: _____

PART 3: SCNS APPROVAL USE ONLY

	Date Approved	Correspondence Number
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Proposed Research Methods Course 4XXX

Course Objectives

The overarching goal of this course is to develop students' knowledge and appreciation of research methods in physical education and health. To achieve this goal, the student will: (a) demonstrate an understanding of the basic research methods and techniques and how they are used in solving research problems, (b) effectively discuss research in kinesiology and the trends for future research, (c) demonstrate an appreciation for research in kinesiology and the research efforts of others, (d) demonstrate an ability to correctly interpret a variety of descriptive and inferential statistics, (e) demonstrate an ability to plan and conduct a research study, and (f) analyze, summarize, and interpret research writing in professional journals.

Course Materials

To achieve the above course objectives, the following textbook is required for class: **Research Methods in Physical Activity 5th edition, Thomas, Nelson, & Silverman. Human Kinetics.** Occasionally, handouts, readings, or other notes will be made available in class or on webct / blackboard. You should have a classmate collect handouts in your absence.

Course Format Most of the class meetings will be conducted in lecture format. Lectures will be augmented with PowerPoint. PowerPoint shells for each lecture will be available on webct the evening before class. It is recommended that students print and use these shells for note-taking during class. Students should familiarize themselves with content prior to class. Small discussion groups, in-class activities, guest speakers, and student presentations may be used to provide students with better understanding of the course material.

Evaluation

1. Two tests (60% of final grade)
 - Test 1 30%
 - Test 2 30%
2. Research Article Review / Presentation / Discussion (5%)
3. 15-minute Research Proposal Presentation and paper (30%)
4. Participation & Professionalism (5%)

The instructor will discuss a student's grade with him or her, however: (a) grade discussion will occur during office consultation and will not occur via email, and (b) a student's grade will not be changed on any assignment, nor will his or her final grade be adjusted unless justifiably warranted (i.e., error in grading). Students are allowed **one week** from the receipt of their graded work to notify the instructor of any errors or dispute evaluation. Grade adjustments (e.g., poorly worded item on an exam, extra-credit) will occur at the instructor's discretion.

Examinations

Exams will be given on the dates listed on the course syllabus; however, the instructor reserves the right to move the exam date with at least one class period's prior notice to the class. Every effort will be made to announce any changes to the exam schedule in

class *at least* one week prior to the exam – you are responsible for attending class to hear these announcements. Examinations may consist of multiple choice, true/false, listing, short answer and/or essay components. Essays may be taken home or in-class components of the exam.

During exams, students must remove hats and headphones. Students are not permitted to receive (or make) telephone calls during exams.

If the student absolutely cannot be in class when an exam is scheduled, it is the student's responsibility to contact the instructor **at least 2 weeks prior to the scheduled exam**, with valid documentation for missing the exam, to arrange a time to take it before the scheduled exam date (note: rescheduled exams may be different from the exams given during the regularly scheduled exam period). If the student is missing a scheduled exam due to a university scheduled event, the student must provide the instructor with documentation from a university faculty or staff member (i.e., written documentation on university letterhead signed by the faculty/staff member) **2 weeks prior to the exam**.

Failure to provide documentation prior to the exam will result in a zero. If the student is missing a scheduled exam due to a personal event, valid documentation (i.e., written documentation: doctor/parent, plane ticket, court subpoena) must be provided **2 weeks prior to the exam**. Emails are **not** acceptable forms of documentation. If an examination is missed for any other reason, it is the student's responsibility to communicate with the instructor *within 24 hours of the missed exam* or a grade of zero will automatically be given for the exam.

Research Article Review

Each week the student will be responsible for critiquing a published research study. Students will be provided with a list of professional Journals available at UF Libraries and will be required to select an article of interest. The critique should fit on one page using 11 point font and .75 inch margins. A separate handout and an example critique will be provided to the student.

Research Project Proposal Presentation

The student will complete a research project proposal presentation. The student will develop an original research proposal based on an area of interest and will go through the process of planning the research project. Specific details about the project will be given throughout the semester. The student will ultimately present their research project to the class using a standard professional format (i.e., 15 minute formal presentation with PowerPoint followed by questions). Further students will turn in a 10-15 page research proposal. The paper is due no later than the last day of class.

Participation and Professionalism

Each student will be awarded a score out of five that reflects their participation and professionalism throughout this course. Factors that will determine this grade will include participation in class discussions, punctuality, demeanor in class,

attentiveness, preparedness, asking questions, and respect towards the instructor and fellow students.

Attendance

Students are expected to attend punctually all classes. The student is held accountable for the work covered in

Tentative Outline

Week	Topic	Reading	
1	Introduction	Chapter 1	
2	Introduction	Chapters 2,3	
3	Methods/Ethical issues	Chapters 4,5	
4	Stats Intro/plan & power	Chapters 6,7	
5	Correlation	Chapter 8	
6	Difference Among Groups	Chapter 9	
7	Nonparametrics	Chapter 10	Exam 1
8	Historical Research	Chapter 11,12	
9	Philosophical/Meta	Chapter 13	
10	Analysis/Survey /other descriptive/Epidem	Chapters 15-17	
11	Experimental Research	Chapter 18	
12	Qualitative	Chapter 19	
13	Students Presentations		
14	Students Presentations		Exam 2
15	Students Presentations		
16	Students Presentations		
17	Students Presentations		
	Students Presentations		

Tentative Outline Week Dates Topic Reading
 1 August 25 Introduction Chapter 1
 2 September 1 Introduction to Problem Chapter 2,3
 3 September 8 Methods/Ethical issues Chapter 4,5
 4 September 15 Stats Intro/plan& power Chapter 6,7
 5 September 22 Correlation Chapter 8
 6 September 29 Difference Among Groups Chapter 9
 7 October 6 Nonparametrics Chapter 10
 Exam 1
 8 October 13 Historical Research Chapter 11, 12
 9 October 20 Philosophical/Meta Chapter 13
 10 October 27 Survey /other descriptive/Epidem Chapter 15
 11 November 3 Experimental Res Chapter 18
 12 November 10 Qualitative Chapter 19
 13 November 17 Student Presentations
 Exam 2
 14 November 24 Student presentations
 15 December 1 Student Presentations
 16 December 8 Student Presentations
 17 December 18 Student Presentations

Specialization: Fitness/Wellness Specialist

The fitness/wellness specialization emphasizes the practical aspects of fitness and wellness. Students become exercise technicians and specialists in hospitals and corporate, private or state agencies. Students must complete a one-semester internship in one of these settings. All required courses must be completed before the internship.

Critical Tracking and Recommended Semester Plan

Semester 1:

- 2.0 UF GPA required for semesters 1-5
- Complete 2 of 8 critical-tracking courses with a 2.5 GPA on tracking coursework: PSY 2012, MAC 1140 or MAC 1147 or calculus, STA 2023, APK 2100C, APK 2105C, APK 2300C, ECO 2023, and HUN 2201. A C grade or better is required in APK 2100, APK 2105C and APK 2300C.

Semester 2:

- Complete 2 additional critical-tracking courses with a 2.6 GPA on tracking coursework

Semester 3:

- Complete 2 additional critical-tracking courses with a 2.7 GPA on tracking coursework

Semester 4:

- Complete all 8 critical-tracking courses with a 2.8 GPA on tracking coursework

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold.

Recommended semester plan

Semester 1	Credits
PSY 2012 General Psychology (GE-S)	3
MAC 1147 Precalculus: Algebra and Trigonometry (4) (GE-M) or MAC 1140 Precalculus Algebra (3) or MAC 2311 Analytic Geometry and Calculus 1	3-4
Humanities (GE-H)	3
Physical or Biological Science (GE-P or GE-B) (chemistry or biology recommended)	3
Composition (GE-C, WR)	3
Total	15-16
Semester 2	Credits
Elective (recommend SPC 2608 Introduction to Public Speaking or AEE 3030c Effective Oral Communication)	3
STA 2023 Introduction to Statistics 1 (GE-M)	3
ECO 2023 Principles of Microeconomics	4
Electives	6
Total	16
Semester 3	Credits

APK 2100C Applied Human Anatomy with Laboratory (GE-B)	4
APK 2300C Prevention and Care of Athletic Injuries	3
Humanities (GE-H)	3
HSC 3102 Personal and Family Health	3
Elective	3
Total	16
Semester 4	Credits
APK 2105C Applied Human Physiology with Laboratory (GE-B)	4
HUN 2201 Fundamentals of Human Nutrition	3
Approved APK course (refer to degree audit)	3
Elective	4
Total	14
Semester 5	Credits
APK 3200 Motor Learning	3
APK 3110C Physiology of Exercise and Training	3
MAN 3025 Principles of Management	4
PUR 3000 Principles of Public Relations	3
APK 3405 Exercise Psychology	3
Total	16
Semester 6	Credits
APK 4232 Measurement and Evaluation APK 4xxx Research Methods	3
APK 4125C Physical Fitness Assessment and Exercise Prescription	3
MAR 3023 Principles of Marketing	4
Approved APK courses (refer to degree audit)	3
Elective (3000-/4000-level course)	3
Total	16
Semester 7	Credits
APK 3220C Biomechanical Basis of Movement	3
APK 3113 Principles of Strength and Conditioning	3
Approved APK courses (refer to degree audit)	9
Total	15
Semester 8	Credits
APK 4940C Internship	12
Total	12