

California University of Pennsylvania
University Course Syllabus
Department of Health Science
UCC Approval date: 10/16/17

A. Protocol

Course Name: Research Project II
Course Number: ATE 760
Credits: 2
Prerequisites: Enrollment in the PMSAT Program and ATE 661
Maximum Class Size (face-to-face): 30
Maximum Class Size (online): 30

B. Objectives of the Course:

Upon completion of the course, students should be able to:

- 1) Develop organized data collection tools to facilitate research thesis/project.
- 2) Construct data collection outline and procedures as they pertain to individual research projects.
- 3) Execute experimental measures during data collection.
- 4) Examine statistical measures and outcomes of data collected.
- 5) Explain statistical findings and relationship to research question/variables.

C. Catalog Description:

This course is designed to allow continued work toward the completion of student's research thesis/project. Data collection and analysis will be at the core of this course. Students will be allowed time outside of the classroom for data collection while working in the classroom on statistical analysis of their findings.

D. Outline of the Course:

Data Collection

Preparing to Collect your Data
Measures in Athletic Training - Specific needs
Organization of Data
Common Problems and Pearls of Wisdom during Data Collection

Data Analysis

Statistical Decision Making
SPSS
Hypothesis Testing
Statistical Error
Common Problems in Statistical Analysis

Reporting Data

Organizing your findings
Scientific Nomenclature
Use of Tables, Charts, Graphs

E. Teaching Methodology:

- 1) Traditional Classroom Methodology
Discussion, lecture, lab activities, peer review, and editing
- 2) Online Methodology
Discussion, presentation, peer review, and editing

F. Text

Required

Arnold, Gansneder and Perrin *Research Methods in Athletic Training* F.A. Davis
ISBN0-8036-0778-4

Recommended

N/A

G. Assessment Activities:

- 1) Traditional Classroom Assessment
Small group discussion, writing assignments, laboratory assignments.
- 2) Online Assessment
NA

H. Accommodations for Students with Disabilities:

OSD

Revised June 2015

STUDENTS WITH DISABILITIES

Students reserve the right to decide when to self-identify and when to request accommodations. Students requesting approval for reasonable accommodations should contact the Office for Students with Disabilities (OSD). Students are expected to adhere to OSD procedures for self-identifying, providing documentation and requesting accommodations in a timely manner.

Students will present the OSD Accommodation Approval Notice to faculty when requesting accommodations that involve the faculty.

Contact Information:

- Location: Carter Hall - G-35
- Phone: (724) 938-5781
- Fax: (724) 938-4599
- Email: osdmail@calu.edu
- Web Site: <http://www.calu.edu/osd>

I. Title IX Syllabus Addendum

**California University of Pennsylvania
Reporting Obligations of Faculty Members under Title IX
of the Education Amendments of 1972, 20 U.S.C. §1681, et seq.**

California University of Pennsylvania and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with the Title IX of the Education Amendments of 1972 and guidance from the Office of Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University's Title IX Coordinator, Dr. John A. Burnett, Special Assistant to the President for EEEEO, Office of Social Equity, South Hall 112, Burnett@calu.edu, 724-938-4014. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any

other abuse of a student who was, or is, a child (person under 18 years of age) when the abuse allegedly occurred to the person designated in the University protection of minors policy.

The University's information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at:

- **Office of Social Equity**, South Hall 112, 724-938-4014
 - Social Equity Home Page www.calu.edu/SocialEquity
 - Social Equity Policies www.calu.edu/SEpolicies
 - Social Equity Complaint Form www.calu.edu/SEcomplaint
- **Counseling Center**, Carter Hall G53, 724-938-4056
- **End Violence Center**, Carter Hall G94, 724-938-5707
- **Student Affairs**, Natali Student Center 311, 724-938-4439
- **Wellness Center**, Carter Hall G53, 724-938-4232
- **Women's Center**, Natali Student Center 117, 724-938-5857
- **Threat Response Assessment and Intervention Team (T.R.A.I.T.) & Dept. of Public Safety & University Police**, Pollock Maintenance Building, 724-938-4299
 - **EMERGENCY:** From any on-campus phone & Dial **H-E-L-P** or go to any public pay phone & **Dial *1**. (*Identify the situation as an emergency and an officer will be dispatched immediately.)

J. Supportive Instructional Materials, e.g. library materials, web sites, etc.

Health Science Database in Library- <http://library.calu.edu/home>

AMA style manual- <http://www.amamanualofstyle.com/>

Zotero- <https://www.zotero.org/>

Centre for Evidence Based Medicine- www.cebm.net

SPSS tutorial sites- <https://www.spss-tutorials.com/basics/>

Purdue Online Writing Lab (OWL)- <https://owl.english.purdue.edu/owl/>

Professional literature sources: Journal of Athletic Training (<http://natajournals.org/?code=nata-site>),
Medicine in Science and Sports (<http://journals.lww.com/acsm-msse/pages/default.aspx>), American Journal
of Sports Medicine (<http://journals.sagepub.com/home/ajs>)

Physiotherapy Evidence Database (PEDRO) <https://www.pedro.org.au/>

Van Lunen, B., Hankemeier, D., & Welch, C. (2015). Evidence-Guided Practice: A Framework for Clinical Decision Making in Athletic Training. SLACK Inc.

Additional Information for Course Proposals

K. Proposed Instructors:

Any qualified Health Science faculty.

L. Rationale for the Course:

This course is a continuation of ATE 660 and 661 that allows the student research to collect data related to their research question. Coursework will be individualized to each students project to allow for necessary time outside of the classroom and essentials of data collection.

M. Specialized Equipment or Supplies Needed:

none

N. Answer the following questions using complete sentences:

1) Does the course require additional human resources? (Please explain)

No

If Yes, click here to answer Question N1, above.

2) Does the course require additional physical resources? (Please explain)

No

If Yes, click here to answer Question N2, above.

3) Does the course change the requirements in any particular major? (Please explain)

Yes

This is a new course and is a part of the new/revised major, the professional master of science in athletic training.

4) Does the course replace an existing course in your program? (If so, list the course)

No

If Yes, click here to answer Question N4, above.

5) How often will the course be taught?

Annually each fall semester.

Click here to add text to qualify your selection for course timing, if necessary.

6) Does the course duplicate an existing course in another Department or College? (If the possibility exists, indicate course discipline, number, and name)

No

Click here if the answer to Question N6, above is YES. Indicate the other discipline/department and the other course number and name.

O. If the proposed course includes substantial material that is traditionally taught in another discipline, you must request a statement of support from the department chair that houses that discipline.

NA

P. Please identify if you are proposing to have this course considered as a menu course for General Education. The General Education Committee must consider and approve the course proposal before consideration by the UCC.

No

Q. Approval Form

Provide the Approval Form (Signature Page) with the signatures of your department Chair AND college Dean (electronically).