

## SYLLABUS

**SEMESTER:** Spring 2016  
**COURSE NUMBER:** KIN 499  
**TITLE:** Senior Research/ Project II  
**CREDIT HOURS:** 3 credits

### **PREREQUISITES:**

*Students must have completed senior research one and already have completed chapter one to be allowed to enroll in Senior Research two which will complete senior research requirements. Senior standing, KIN-381 (Test and Measurements) or a statistics class must be completed before senior research.*

**INSTRUCTOR**  
**Dr. Clay Robinson**

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792-2382

**E-MAIL**  
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Office: Room 119 Activity Center West  
Hours: Mon – Thursday:9:00-10:15, Tuesday and Thursday 12:00-1:15 and Friday by appointment

### **COURSE DESCRIPTION:**

Applies basic research concepts and processes to implement, analyze, and evaluate a Kinesiology related research project. Students communicate findings in writing and in a public presentation. Senior research is designed to expose students to current topic information in their field or specialization. Depending on the emphasis and specialization of the student's career path three different options are available for students to complete their research and presentations. This section the student will be finishing one of the following research projects listed below. This course also provides the opportunity for each student to present their research in a professional forum before their peers and also to publish their research, if approved by research committee board. This course is designed to assist the student in analyzing and collecting data along with developing professional presentation skills.

**Option 1:** An independent research project including a review of the related literature, collection and analysis of data and a final oral presentation. The course is writing intensive.

**Option 2:** A teaching aid such as video, coaching booklet, promotional package and aid, or any additional video or professional presentation related to your area of emphasis which is prepared by researching the most current recommendations.

**Option 3:** Professional fitness program designed for specific populations based on the most current information in the fitness field related to disease prevention and health promotion.

All three options require a review of literature and a written and oral presentation. Students can work in groups no larger than three to complete senior research projects and presentations. A rubric will be used to assess each individual's contributions to the completed

project. Completion of final abstract is due on March 15 and presentations will take place during dead week along with the campus wide research symposium.

### **PURPOSE OF THE COURSE:**

This course is the capstone course for Kinesiology majors. Senior level students enrolled in Kinesiology 499 will be asked to demonstrate their research, writing, speaking and critical thinking skills gained during their undergraduate studies. The course is designed to prepare graduates for understanding and applying current research to their future careers in kinesiology and the health sciences.

### **REQUIRED TEXT:**

Students will use library resources and the internet to investigate their personal research topic. Additional materials related to study design; methods and statistics will be provided by the instructors.

### **METHODS OF INSTRUCTION:**

Lecture	15%
Classroom discussion and activities	15%
One-on-one consultation with students outside of class	15%
Research or lab work	35%
Preparation and Presentations by students	20%

### **COURSE OBJECTIVES:**

This course will assist students in basic research and presentation methods including:

#### **Course Competencies:**

1. Conduct a quantitative or qualitative research project or a approved Kinesiology project listed form above.
2. Differentiate methods and parameters for analyzing quantitative and qualitative data utilizing correct data collection and analysis procedures.
3. Describe strategies for interpreting results in quantitative and qualitative studies or for developing a Kinesiology related project.
4. Discuss and justify the importance of using published research to improve knowledge in the kinesiology field.
5. Describe how your research findings impact kinesiology field.
6. Produce a written report of your research study.

7. Demonstrating visual technology skills during an oral presentation
8. Utilize professional communication skills to present your research findings in a senior research symposium.

## **COURSE REQUIREMENTS**

### **Assignments/Schedule:**

#### Week 1 (Jan 20):

- 1) **Develop a time table for completing task during the semester**
- 2) **Projects Review** of outline and content along with purpose or philosophy statement.

**Assignment 1: Review and make changes to Chapter one (*Past tense*) and IRB proposals finalized if needed.**

#### Week 2 (Jan 27):

**Assignment 1 due today:** Revised Chapter one with a time table set for the semester included.

- 1) **Data collection**--Why conduct a pilot study or test?
- 2) **Review requirements for portfolio and exit interviews.**

**Portfolio: Due April 20<sup>th</sup>**

**Assignment 2: Define the methods section**—see Handout.

#### Week 3 (Feb 3<sup>th</sup>):

**Assignment 2 due today:** Outline of methods and procedures section completed.

- 1) Begin data collection if not already started.

**Assignment 3: Revise the Methods section *based on pilot study and review of materials***

#### Week 4 (Feb 10<sup>th</sup>):

- 1) Analyzing the Data
- 2) Understanding significances versus meaningfulness

#### Week 5 (Feb 17):

**Assignment 3 due today:** First revised Methods section completed.

- 1) Interpretation of results

#### Week 6 (Feb 24):

- 1) Graphs and tables.

**Assignment 4: Final revision--Writing of the Methods section**

**Assignment 5: Abstract submission to Senior Research symposium**

Week 7 (March 2):

1) Discussion and conclusion section

**Assignment 6: Graph results along with statistical descriptive research**

**Or**

**Develop a detailed table of contents for your project.**

**Assignment 4 Due Final version of Methods section**

Week 8 (Mar 9):

Abstract submission to professor completed.

Table of contents completed.

**Assignment 8: Analyze Results Section**

Week 9 (March 16)

Work on data collection and analysis (Good time to meet as individual group with research advisor)

**Assignment 7: Write the Discussion section? Finish your project format.**

Week -10-12 (March 23-):

**Assignment 5 due today:** Abstract submission to Senior Research symposium completed.

**Assignment 6 due today: Results and graphs.**

**Assignment 8:** Work on one or both of the options below.

**Option 1 - Submitting a writing research manuscript for the LCSC journal**

**Option 2 - Present your research findings at the symposium**

Week 13- (Apr 6 & 13):

**Assignment 7:** Results and discussion section

**April 20<sup>th</sup>: Portfolio due**

Week 14 (April 20<sup>th</sup> and 27):

**Presentations in class**

**Week 15<sup>th</sup> May 4-6<sup>th</sup> Presentation: Final paper or power point presentation due**

**Senior research symposium**

**Final oral presentation or written submission Senior Research symposium due.**

**Week 16 Oral Exit interviews**

Note: If you need course adaptations or accommodations because of a disability; if you have emergency medical information to share with the instructors; or if you need special arrangements in case the building must be evacuated, please make an appointment as soon as possible with the instructor.

**GRADING****Grading Option for a Maximum Grade of “A”**

<b>Component</b>	<b>Points</b>
Assignments 7 (25)	<b>175</b>
Final research project	<b>100</b>
Oral Presentation of Research	<b>100</b>
Written Submission to school paper	<b>25 bonus</b>
In-class discussion	<b>50 (attend 8 presentations)</b>
Completion form	<b>25 (IF IRB submitted)</b>
Portfolio	<b>100</b>
<b>Total Available Points</b>	<b>550</b>

The grading scale shall be:

**GRADE RANGES:**

93%- 100%	=A	Exemplary
90%- 92.9%	=A-	
87%- 89.9%	=B+	Proficient
83%- 86.9 %	=B	
80%- 82.9 %	=B-	
77%- 79.9%	=C+	
74%- 76.9%	=C	Good, Average
70%- 73.9 %	=C-	
65%- 70%	=D	Below Average,
0- 649	=F	Failing, No academic Credit

**LEWIS-CLARK STATE COLLEGE Syllabus Addendum****Consumer Information**

In 2008, the federal government required all post-secondary institutions offering federal financial aid programs to provide key data to both prospective and current students. To comply with this requirement, Lewis-Clark State College has developed a consumer information page, which may be accessed at <http://www.lcsc.edu/consumer-information/>

**Disability Accommodations**

Students requiring special accommodations or course adaptations due to a disability and/or a health-related issue should consult their course instructors and the LCSC Student Counseling

Center immediately (RCH 111, 792-2211). Official documentation may be required in order to provide an accommodation and/or adaptation.

#### Student Rights and Responsibilities

Students have the responsibility for knowing their program requirements, course requirements, and other information associated with their enrollment at LCSC. Students should review the LCSC General Catalog (<http://webdev.lcsc.edu/catalog> and the LCSC Student Handbook (<http://www.lcsc.edu/media/2157659/Student-Handbook.pdf>) for more information.

#### Accidents/Student Insurance

Students participating in LCSC classes normally must look to their personal health insurance policy (Student Health Insurance Plan or comparable private coverage) should an accident occur. In the event of an accident, please seek medical help, if necessary, and report the incident to LCSC Security (792-2226). Fieldtrips or other special student activities may also require students to submit a signed participation waiver (forms can be obtained from the supporting Division Office).

#### Enrollment Verification/Attendance

Students who are not actively pursuing their classes may have to repay part or all of their financial aid awards depending upon the circumstances.

#### Academic Dishonesty

Academic dishonesty, which includes cheating and plagiarism, is not tolerated at LCSC. Individual faculty members may impose their own policies and sanctions regarding academic dishonesty after offering the student an opportunity to explain his or her actions. Sanctions imposed by the faculty member are limited to grades on the assignment(s) in question and/or on the course grade. On matters of academic dishonesty, faculty members do not have the authority to dismiss a student from class indefinitely nor to disenroll a student from a program without corroboration from a Division Chair (or program ethics committee where applicable), the appropriate instructional dean, and the Vice President for Student Affairs. Students who are accused of being academically dishonest may be referred to the VP for Student Affairs for official disciplinary action.

#### Illegal File Sharing

Students using LCSC's computers and/or computer network must comply with the college's appropriate use policies and are prohibited from illegally downloading or sharing data files of any kind. Specific information about the college's technology policies and its protocols for combating illegal file sharing may be found on the VP for Student Affairs' web page (<http://www.lcsc.edu/student-affairs/student-code-of-conduct/>).

#### Diversity Vision Statement

Regardless of race, color, age, sex, religion, national origin, disability, veteran status, or sexual orientation, you will be treated and respected as a human being.

#### Disclosures

During this course, if you elect to discuss information with me which you consider to be sensitive or personal in nature and not to be shared with others, please state this clearly. Your confidentiality in these circumstances will be respected unless upholding that confidentiality could reasonably put you, other students, other members of the campus community, or me in danger. In those cases or when I am bound by law to report what you have told me, such as incidents involving sexual assault or other violent acts, I will submit a report to appropriate campus authorities.

#### Student Feedback

Students shall be provided the opportunity to formally evaluate each course in which they are enrolled. Notification of student feedback opportunity and timelines will be made through the official LCSC student email (currently LCMail) or online course learning management (currently Blackboard Learn) systems.

#### Student Work

Student work for this course (assignments, quizzes, exams, projects, etc.) may be copied and retained for program assessment or accreditation purposes. For more information, speak with the instructor or division chair.

Approved by VP for Student Affairs & Provost 7/07/2015