



**Course Outline**  
**KNES 213: Introduction to Research in Kinesiology**  
**Fall 2012**

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<b>Instructor:</b> Cari Read Din	<b>Room:</b> ST 145
<b>Email:</b> csdin@ucalgary.ca	<b>Days:</b> M/W/F
<b>Office:</b> KNB262	<b>Time:</b> 2-2:50 PM
<b>Office Hours:</b> By appointment	<b>Course Website:</b> Blackboard
<b>Phone:</b> 403.210.6553	

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<b>Course Description:</b>	An introduction to research in kinesiology with an emphasis on understanding the research process and its relationship to critical thinking. Scholarly research terms and concepts will be applied through individual and group projects.
<b>Course Objectives:</b>	<ol style="list-style-type: none"><li>1. To understand the research process and its relationship to critical thinking.</li><li>2. To master and employ the language and terminology of scholarly research.</li><li>3. To create, organize and present a literature review that thoughtfully justifies and contextualizes a research concept.</li><li>4. To master APA format.</li><li>5. To critically evaluate research in kinesiology.</li></ol>
<b>Course Resources:</b>	<p>*Faculty of Kinesiology Home Page: Students: Student Guide to the Presentation of Essays – <b>critical resource for the Literature Review Assignment</b></p> <p>*<a href="http://psychology.vanguard.edu/faculty/douglas-degelman/apa-style/">http://psychology.vanguard.edu/faculty/douglas-degelman/apa-style/</a> - a very simple overview of APA format</p> <p>*Finding Peer-Reviewed Research: <a href="http://libguides.ucalgary.ca/kines">http://libguides.ucalgary.ca/kines</a></p> <p>*Titles of readings for seminar discussions will be posted on Blackboard and in the Course Content section of this outline – These readings will be used in class as seminar discussion pieces.</p> <p>*Textbook NOT REQUIRED – Recommended resource books: Thomas, Jerry R. Research methods in physical activity. Champaign, IL : Human Kinetics, c2011. □ Berg, Kris E. Essentials of research methods in health, physical education, exercise science, and recreation. Philadelphia : Wolters Kluwer Health/Lippincott Williams &amp; Wilkins, c2008.</p>
<b>Contacting the Instructor:</b>	Students requiring assistance are encouraged to speak with their instructor during class or office hours. Should you wish to meet with the instructor outside of office hours, please email the instructor to make an appointment.

**Grading Scale:**

Grade	Percent	Grade Point Value	Description
A+	93.0 or above	4.00	Outstanding
A	89.0-92.9	4.00	Excellent - superior performance, showing comprehensive understanding of subject matter.
A-	85.0-88.9	3.70	
B+	81.0-84.9	3.30	
B	77.0-80.9	3.00	Good-clearly above average performance with knowledge of subject matter generally complete.
B-	73.0-76.9	2.70	
C+	69.0-72.9	2.30	
C	65.0-68.9	2.00	Satisfactory – basic understanding of the subject matter. Grade point average below 2.00 is not sufficient for promotion.
C-	61.0-64.9	1.70	Minimum grade for required prerequisite.
D+	57.0-60.9	1.30	
D	54.0-56.9	1.00	Minimal pass – marginal performance; generally insufficient preparation for subsequent courses in the same subject.
F	Below 54.0	0	Fail – unsatisfactory performance or failure to meet course requirements.

**Evaluation of Course Content:**

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|---|------------|
| 1. Undergraduate Research Assignment – due Oct. 10          | <b>5%</b>  |
| 2. Midterm Exam (in class) Oct. 17                          | <b>20%</b> |
| 3. Original Literature Review – due Nov. 2                  | <b>25%</b> |
| 4. Future Research in Kinesiology Presentation – Nov. 19-30 | <b>15%</b> |
| 5. Final exam – registrar scheduled                         | <b>35%</b> |

**Expectations**

1. ***All assignments will be graded for spelling, grammar and sentence structure.***  
This includes assignments that are to be received via email. Please proof read your work. All assignments must be typed using full sentences, and include a title page, unless otherwise noted.
2. Please be aware that group assignments result in the same grade for all. In addition, any misconduct conducted by one person could be applied to everyone in the group. It is your responsibility to be fully aware of your role and contribution to group work and to take responsibility for the whole assignment. If you are unclear on what this means, please see the instructor. In addition, any problems with group members need to be discussed as soon as possible with the instructor.
3. Please read all assignment instructions carefully. In this course, you are to properly receive and send information to the instructor. Failure to follow instructions can result in deductions of grades.
4. ***Attendance is crucial. Assignments and exam questions will be drawn***

*directly from lecture material, seminar discussions and required readings.* Instructor notes will not be provided to absent students. Attendance at peer presentations is required.

5. All assignments are due at the beginning of class (including email assignments). Any assignment handed in after that time is subjected to a 10% penalty (of assignment value) per day charge including each weekend day. The new day begins at 4:30 p.m. Assignments will not be accepted after 5 days late. You must notify the instructor of any material handed in outside of lecture via email.

**Final Examination:**

There will be a registrar scheduled final examination for this class. Final exams take place between December 10 – 19, 2012.

**Additional Course Information:**

Any content covered in class time is potential exam material. Please attend all classes and engage in the seminar discussions as participation is required during this component of KNES 213.

PLEASE be punctual because the guest speakers who will share their research with this class will begin promptly at 2:00 PM on a variety of days throughout the term.

**Course Content:**

**Outline of Course Content**

1. Understanding the process of knowledge collection
2. Critical thinking
3. The goals of science
4. Recognizing original scientific research
5. Finding peer-reviewed scholarly research publications
6. Research questions: The role of a literature review
7. Critical reading: Developing an original literature review
8. Research ethics: Context and contemporary IRB approval
9. Sampling methods
10. Scientific rigour
11. Descriptive methods
12. Predictive methods

13. Descriptive statistics
14. Inferential statistics and hypothesis testing
15. Experimental methods
16. Statistical test survey and scales of measurement
17. Factorial experimental designs
18. Group presentations : to be scheduled November 19 – 30 inclusive
19. Reading Seminars:
  - December 3:
 

Martos-Garcia, D., Devis-Devis, J., & Sparkes, A. (2009). Sport and physical activity in a high security Spanish prison: An Ethnographic study of multiple meanings. *Sport, Education and Society*, 14(1), 77-96.
  - December 5:
 

Emery, C., Kang, J. Schneider, K, & Meeuwisse, W. (2011). Risk of injury and concussion associated with team performance and penalty minutes in competitive youth ice hockey. *British Journal of Sports Medicine*, 45, 1289-1293.
  - December 7:
 

Horne, P., Hardman, C., Lowe, C. Tapper, K., Le Noury, J., Madden, P., Patel, P., & Doody, M. (2009). Increasing parental provision and children’s consumption of lunchbox fruit and vegetables in Ireland: the Food Dudes intervention. *European Journal of Clinical Nutrition*, 63, 613-618.

**Supplementary Course Information**  
*In accordance with the University of Calgary Calendar*

**Academic  
Accommodation  
Awareness Information:**

It is the student’s responsibility to request academic accommodation. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the commencement of this course. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation.

**Plagiarism/Cheating/  
Academic Misconduct:**  
(see Calendar)

A single offence of cheating, plagiarism, or other academic misconduct is a serious act that will not be tolerated in the Faculty of Kinesiology. Penalties for such acts will be determined by the Dean and may result in a failing grade, probation, suspension, or expulsion. Any student who is uncertain if an action falls into this category should consult the instructor and/or the Calendar.

**Midterm Exam Policy:**

The Faculty of Kinesiology policy is that all students are expected to write midterm

exams on the dates listed on the course outline. Special accommodation may be granted by the instructor in **exceptional circumstances only** which include illness, participation in athletic events (varsity, national or international), domestic affliction, and religious conviction. It is the student's responsibility to supply proper documentation and/or notification **prior** to the originally scheduled midterm to support their circumstance. Personal travel plans and arrangements are **not** valid reasons for requesting a special accommodation for a midterm exam. Failure to comply with this policy will result in a grade of zero for the midterm and possible failure in the course.

**FOIP Policy:**

Please note that the University is under the jurisdiction of the provincial Freedom of Information and Protection of Privacy (FOIP) Act. Please refer to the website for details: <http://www.ucalgary.ca/secretariat/privacy>

**Internet and Electronic  
Communication Device  
Information:**

Any surfing of the Internet during lectures that is not directly related to the class discussion is distracting and strictly forbidden. Additionally, the use of any electronic devices (e.g., cellular phones, Blackberrys) for e-mailing, texting, etc. is strictly prohibited. Please turn OFF your phone before the beginning of each lecture.

**Emergency Meeting  
Place:**

For classes in the Kinesiology buildings Primary assembly point is the MacEwan Student Centre - North Courtyard and the Alternate assembly point is University Theatres Lobby

**Safewalk Information:**

Safewalk volunteers walk people safely to their destination on campus (including Health Sciences, Children's Hospital, McMahon Stadium, and University LRT station). This service is free and available to students, staff and campus visitors. Call 403-220-5333 (24 hours a day/7 days a week/365 days a year).

**Student's Union:**

The Kinesiology Representative is Calindy Ramsden - Phone: 220-2913 or E-mail: [kinesrep@su.ucalgary.ca](mailto:kinesrep@su.ucalgary.ca).