

**Instructor:** Raylene Reimer-De Bruyn  
**Phone:** 403-220-8218  
**Email:** [reimer@ucalgary.ca](mailto:reimer@ucalgary.ca)  
**Office:** KNB 440  
**Office** By appointment  
**Hours:**

**Room:** KNB 3320  
**Days:** Mon-Fri (variable)  
**Time:** According to laboratory work  
**Course Website:** N/A

<b>Course Description:</b>	An opportunity for students to gain personalized, applied research and/or work experience in kinesiology or related fields.												
<b>Course Objectives:</b>	This senior practicum is designed to provide the student with practical laboratory experience in the area of maternal obesity and offspring health. The practicum will provide the student with training in conducting a rodent study assessing the role of dietary fiber in reducing the negative impact of a high fat diet during pregnancy.												
<b>Required Reading Materials:</b>	Peer-reviewed publications from the Reimer laboratory as needed.												
<b>Contacting the Instructor:</b>	Students requiring assistance are encouraged to speak with their instructor or study coordinator during practicum hours. Should you wish to meet with the instructor please phone or email the instructor to make an appointment.												
<b>Grading Scale:</b>	<table border="1"> <thead> <tr> <th>Grade</th> <th>Percent</th> <th>Grade Point Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td></td> <td>Credit</td> <td></td> </tr> <tr> <td>Fail</td> <td></td> <td>No-Credit</td> <td></td> </tr> </tbody> </table>	Grade	Percent	Grade Point Value	Description	Pass		Credit		Fail		No-Credit	
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Pass		Credit											
Fail		No-Credit											
<b>Evaluation of Course Content:</b>	Satisfactory completion of the student accountabilities and duties listed on the following page.												
<b>Late Policy:</b>	Assigned work is expected to be completed on time. If scheduling conflicts arise they are to be discussed with the study coordinator Heather Paul ( <a href="mailto:skocho.paul@gmail.com">skocho.paul@gmail.com</a> ) in advance.												
<b>Final Examination:</b>	There is no final exam.												
<b>Additional Course Information:</b>	N/A												

### Course Content and Practicum Duties:

#### Project Objectives/Goals:

This position will allow a student to directly participate as a research assistant in an animal research study entitled: "The potential for dietary fiber to reduce the negative influence of a maternal high fat/sugar diet on offspring health in rats". The study is designed to assess the effects of prebiotic fiber in maternal diet during pregnancy on offspring body composition, satiety hormones and gut bacteria.

#### Areas of growth include:

1. Organizational skills (in relation to set-up of laboratory supplies for experiments and tissue collection days)
2. Communication skills (dealing with the study coordinator and other technical staff in the laboratory)

3. Laboratory technical skills (rat handling, DXA scans, blood glucose measurements among others)
4. Leadership skills

\* Student Accountabilities/Duties:

1. Assist with blood collection during glucose tolerance testing.
2. Assist with tissue collection when rats are euthanized (anesthetizing, preparing the animal, and tissue procurement)
3. Body weight and food intake measurements of the mothers and their offspring
4. DXA (dual energy x-ray absorptiometry) scanning of rats
5. Data collection / preparation of sample collection tubes

\* Required Student Qualifications:

Currently enrolled in undergraduate degree. Preferred but not required completion of Introductory Biology and KNES 237 Introductory Nutrition. Previous laboratory experience would be an asset but is not required. We will provide all training.

\* On-Site Supervisor: Provide contact information of person who will provide student supervision (address, email, phone # and fax).

Students will contact this person directly for an interview. Heather Paul (MSc candidate); Faculty of Kinesiology KNB 3320; skocho.paul@gmail.com)

### **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/Other 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.

**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.

Instructors have the authority, at the discretion of the dean of their faculty, to require that specific course assignments, term papers and academic exercises be submitted in an electronic format. Instructors cannot require that multiple copies of an assignment be submitted.

**Emergency  
Evacuation/Assembly  
Points:  
Safewalk Information:**

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 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 - E-mail: [kinesrep@su.ucalgary.ca](mailto:kinesrep@su.ucalgary.ca).