

Job Posting: 3749 - Position: Animal Nutrition Research Laboratory Assistant (Student Co-op Intern)

Co-op Work Term Posted:	Spring
Application Deadline	12/13 11:59 PM
Application Method:	Career Bridge
Posting Goes Live:	12/08 11:56 AM
Job Posting Status:	Expired

Company Information

Organization	Agriculture & Agri-Food Canada
Salutation	Dr.
Job Contact First Name	Jane
Job Contact Last Name	Doe
Contact Title	Research Scientist
Address Line One	1234 1 Avenue South
Address Line Two	Box 1234 Main
City	Lethbridge
Province / State	Alberta
Postal Code / Zip Code	T1K 3M4
Country	Canada

Job Posting Information

Term Posted	Spring
Job Title	Animal Nutrition Research Laboratory Assistant (Student Co-op Intern)
Duration	4 Months
Job Location	Lethbridge
Job Description	

Knowledge and Skills the Intern May Acquire:

- Ability to organize and prioritize work to meet deadlines
- Workplace communication skills
- Basic knowledge of workplace hazardous materials information system (WHMIS)
- Basic knowledge of procedures used in a Ruminant Nutrition laboratory
- The intern will be trained in the use of laboratory equipment used in feed analysis
- The intern will be trained in the procedures used to perform biological and chemical analysis of feed samples

Description of the Internship:

The intern will work in a Ruminant Nutrition laboratory assisting with a study designed to measure digestibility of feeds in the rumen of beef cattle. This will involve weighing feeds into small nylon bags

that are then incubated in the rumen of cattle. The cattle incubations will be done by an experienced technician, but the intern could assist if they are interested in gaining animal experience. The bags will then be removed after various incubation times and dried. After weighing the bags, they will need to be emptied and the material will be ground and analysed for fiber content. In addition, the intern may conduct biological assays using a batch culture in vitro fermentation technique designed to simulate the rumen of cattle. The assay will predict feed digestion and methane production as affected by diet and feed additives. The intern will be expected to work independently, but will be instructed in all laboratory assays used and will become proficient in operating a variety of laboratory equipment. The intern will also be involved in the maintenance of computer records and summarization of data using spreadsheets. Depending upon the candidate's interest, there would be opportunity to assist with sample collection from cattle during research studies.

Job Requirements

- Must be a Canadian Citizen
- Must be currently enrolled in a science undergraduate degree at a recognized Canadian university
- Basic knowledge of chemistry, biochemistry, and biology
- Basic knowledge or workplace safety
- Basic knowledge of word processing and spreadsheets
- Basic knowledge of laboratory procedures
- Understanding that there is considerable repetitiveness when dealing with sample preparation and analysis
- Willingness to work overtime when required
- No agricultural experience needed

Preferred Academic Level	Undergraduate
All Programs	No
Targeted Degrees and Disciplines	Bachelor of Science (BSC) Agricultural Biotechnology Agricultural Studies Biochemistry Chemistry Environmental Science General Major - Science Neuroscience
Projected Start Date	January 02 12:00 AM
Projected End Date	April 27 12:00 AM