

**Dalhousie University**  
**Faculty of Agriculture**  
**AGRI5710 Graduate Module Course**  
**Liver Health and Disease**

**MODULE OUTLINE**

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Instructor:	Dr. Kirsti Rouvinen-Watt Office: Haley Institute 100-7 E-mail: <a href="mailto:kirsti.rouvinen-watt@dal.ca">kirsti.rouvinen-watt@dal.ca</a> Phone: 902 893 6646
Schedule:	July 2-25, 2014
Time:	5 meetings, 3:00-4:30 pm, dates to be decided
Location:	TBA

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**Module Description**

This module will consist of group discussions of recent research, student presentations, and writing a mini-review paper. We will review and critique current scientific literature focussing on liver health and the physiological and molecular level manifestations of fatty liver disease in domestic animal species (mammalian, avian) and in humans and in animal models of human non-alcoholic fatty liver disease.

**Requirements**

Graduate students working on projects related to animal and/or human health in the areas of liver disease, obesity, type 2 diabetes, cardiovascular disease and inflammation will be given priority. The module is capped at 5 students. Email Instructor by June 30.

**Module Content**

The module will include 5 weekly meetings, 1.5 h each. There will be one introductory lecture. The module discussions will be based on selected key papers and will be led by the students. Each student will choose a topic of focus within their area of research. The final topic will be discussed with the course instructor at the start of the module. Each student will be required to review and critically evaluate the most recent scientific literature related to their chosen topic and will give a 30-minute oral presentation to class. A key paper related to the presentation must be shared with class in advance. The class presentations will be evaluated by the instructor and peers. The students are also required to prepare a 10-page mini-review paper on the same topic at the end of the module. Detailed guidelines for this will be provided.

**Evaluation**

Participation (20%), Presentation (30%), Mini-Review Paper (50%)