

**Dalhousie University  
Faculty of Agriculture  
Graduate Module Course**

**Biofuels Development-A New Opportunity for Agriculture**

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**MODULE OUTLINE**

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Instructor:	Dr. Sophia Quan He Office: Banting Building 27 E-mail: <a href="mailto:quan.he@dal.ca">quan.he@dal.ca</a> Phone: 902 893 6180
Schedule:	April 27 - May 25, 2015
Time:	5 meetings, 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 review paper. We will review and discuss the current literature focusing on feedstock option, biofuel production technologies and impacts of biofuel production.

### **Requirements**

Graduate students with interests in bioenergy, new products from agriculture and bioresource processing will be given priority.

### **Module Content**

The module will include 5 weekly meetings, 1.5 h each. The meetings will involve the extensive discussion led by the instructor and students on: 1) identification of renewable sources for biofuel production, 2) mature and promising biofuel production technologies, and 3) the social, economic and environmental impacts of biofuel production.

Finally, each student will choose a specific topic to do a 30-minute presentation in class and write a review paper. Students are expected to review and critically evaluate the most recent scientific literature related to their chosen topic in this module course. Detailed guidelines for this will be given at the beginning of the class.

### **Evaluation**

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

Participation is evaluated on the basis of contributions to discussions in meetings.