

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

Biofuels Development-A New Opportunity for Agriculture

MODULE OUTLINE

Instructor:	Dr. Sophia Quan He Office: Banting Building 28 E-mail: quan.he@dal.ca Phone: 902 893 6180
Schedule:	May - June, 2016
Time:	5 meetings, dates to be decided
Location:	TBA

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 the class.

Evaluation

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

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