

**Dalhousie University, Faculty of Agriculture**  
**AGRI5710 and AGRI5705: Graduate Module Course**  
**Module Offering Request**

Module Title: Food Security – Concepts, Influential Factors and Measurement

Instructors: Dr. Lord Abbey & Dr. Lokanadha Gunupuru

Dates module will be offered: Summer 2019

Frequency of formal classes/meetings: Six (6) classes @ 1 hr 20 mins each

Module Content and Learning Objectives: Consumers' demand for adequate and good quality, nutritious and safe food are ever increasing due to the awareness of how food production and its utilization impact health and the environment. Sustainable food production systems are designed to ensure food and nutrition security without compromising the health and soundness of the environment and ecological system. This module is intended for graduate students in the Faculty of Agriculture and others who are interested in food and nutrition security. Students will actively engage in discussions and presentations on current issues in local, regional and global food security. Modules will consist of definitions and analytical concepts as applied to food security; use of broad conceptual frameworks to explain the basic determinants, causal factors and indicators of food security; exploration of the various approaches used to measure food security; and analyses of various measurement issues and proposed solutions.

The module format will be as follows:

Module 1 – Definitions and conceptual framework of food security

Module 2 – Causal factors and indicators of food security

Module 3 – Assessment of food security using different approaches

Method of Evaluation: Use of Brightspace for discussion and reporting.

Presentation assignment @ 25%: students will be given an assignment using problem-based learning technique for them to research and make presentations of their findings.

Critiquing of published work @ 25%: students will be given a reading e.g. journal article to read and critique and write a 500-word reflection essay.

Presentation of a student chosen topic on household food security assessment @ 50%

Any restrictions on enrollment: Minimum of 3 students and maximum of 6 students.