

Dalhousie University – Faculty of Agriculture
AGRI5710 Graduate Module
“Advances in Food Technology for Human Health Promotion”
Winter 2015
Schedule: Jan-Feb 2015 (5 meetings starting Jan. 12)

Instructor:

Dr. Chibuike Udenigwe, Office Cox 124, Phone (902) 893-6625, cudenigwe@dal.ca

Module Description:

The module will involve class discussions, literature review and formal presentations on advances in food technology and their impacts on food quality, human nutrition, health and wellness.

Requirements:

Students must be currently working on a particular food technology (related to human/animal nutrition and health promotion) in their graduate thesis project or other related projects.

Capacity: Five (5) graduate students; email the Instructor by Monday January 12, 2015 if interested in taking the module.

Module Content:

The meetings will involve an introductory lecture and subsequent class discussions led by the instructor and students, respectively. Students are required to choose a food technology related to their graduate thesis (or other related projects) for the module. The final topic must be discussed with the instructor during the first day of class. The student will conduct a literature review on the selected technology (focusing mostly on primary literature published after 2005), deliver a 30-minute presentation, and lead a 2-hour class discussion on the topic. The presentations will be evaluated by the instructor and peers. Students are required to write a mini-review to summarize their study focusing mainly on information reported in recent peer-reviewed original journal articles. The paper should be written following the format of a top peer-reviewed journal chosen by the student, and must be less than 20 pages in length (excluding cover page, references, figures, tables), double line spaced with 12-pt Times New Roman font and 1-inch page margins.

Evaluation:

Participation* (20%), Paper (40%) and Presentation (40%)

*Based on contributions to discussion during class meetings

Materials:

Key topics for class discussions will be derived from only recent peer-reviewed scientific journal articles published within the last 5 years. The seminar and literature review will be based on articles published within the last 10 years.