AGRI 5710 – Graduate Module Course

Winter, 2015
Department of Engineering,
Faculty of Agriculture, Truro
Class times: TBD,
Schedule: January, 2015 (One month)

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Office hours: M,T,W,Th,F: 11:00 am–12:00pm

1 Module Description

This module will consist of group discussions on recent research, student presentations and writing of a review paper. In this module students will be introduced to different drying technologies, their theory, heat and mass transfer equations governing drying and mathematical modeling of drying of food products.

2 Requirements

Graduate students with interest in food processing, postharvest processing of food and bioresource processing will be given priority. This module is capped at 5 students. Interested students should email the instructor.

3 Module Content

The module will include 3 weekly meetings, 2 h each. There will be 2 introductory lectures and later sessions will include discussions on selected key articles led by the students. Students will choose the topic of focus within their specific research area and discuss it with course instructor at the start of the module. As a part of the module, each student is required to write a review paper (minimum 25 pages, 1.5 spacing, Font Size: 12 (Times New Roman). Each student is also required to make a 30 minute oral-presentation in the final week of the module. Students have to share a brief abstract of their presentation with the class in advance. The presentation will be evaluated by the instructor and peers. Guidelines for preparation of the the review paper will be provided by the instructor at the start of the module.

Textbook: "Advanced Drying Technologies" by Tadeusz Kudra and Arun S. Majumdar, CRC Press, Taylor and Francis Group (Second Edition) & "Handbook of Industrial Drying", Edited by Arun S. Majumdar, CRC Press, Taylor and Francis Group (Third Edition).

4 Evaluation

Participation (25%), Presentation (25%) and Review Paper Submission (50%)