MODULE (AGRI5710)

DALHOUSIE UNIVERSITY Faculty of Agriculture

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Title: Origin of milk components and their manipulation

Date September 22- Oct 22, 2014 (5 meetings)

Description

Milk is a prized food known for its healthful components. The content of these substances is altered by cow genetics and diet of the cow and by post-harvest manipulation. The objective of this module will be to review the potential to improve upon milk's healthfulness through cow management and the manipulation of milk.

CAP: 5 graduate students

Assignment

- 1. Thorough literature review (last two years) entitled: Update. Manipulation of milk components
- 2. Lecture style presentation (15 min length) to students in the class ANSC4004 Ecology of milk production in ruminants.
- 3. Coordinated write up in review style for the Journal Dairy Science with other students in the module with general introduction written by all students and specific chapters written by each student individually.

Potential study (chapter) topics:

- Protein
- Bioactive compounds
- Vitamins
- Minerals
- Fatty acids

Evaluation:

Thoroughness of literature review Presentation Referenced journal chapter (origin and manipulation of milk component chosen)	40
	10
	40

Materials:

No text

Literature to be accessed by computer search of data bases