Curriculum Committee Report

The Curriculum Committee met on January 22, 2019 and recommends the following courses to the Graduate Board for approval at its January 31, 2019 meeting.

Modifications:
FSN 510 Trace Materials

The following new courses were considered by the Curriculum Committee but, are still pending revisions and will be reviewed next month.

New Courses:
BEN 502 Advanced Materials in Bio-inspired Engineering
BEN 503 Advanced Instrumental Design
BEN 512 Modeling of Biomedical Systems
BEN 580 Computational Methods in Biomedical Engineering
BMB 520 Introduction to Image Analysis
EDT 532 Creative and Connected Learning Environments
January 22, 2019

To: Curriculum Committee:
Scott Delcourt
Qian Xue
Stuart Marrs
Craig Mason
Grant Miles
Josh Kelley
Deborah Rollins
Lisa Stilley

Fr: Kacey Beckwith, Administrative Specialist

Re: Curriculum Committee, January 22, 2019 Stodder Hall, Room #48

The following courses will be presented on Tuesday, January 22nd at 2:15 p.m. in the Graduate School's Conference Room, 48 Stodder Hall.

1. 2:30-3:00 BEN 502, BEN 503, BEN 512, & BEN 580
   Douglas Bousfield

2. 3:00-3:10 BMB 520
   Joshua Kelley

3. 3:10-3:20 EDT 532
   Mia Morrison

4. 3:30-3:35 FSN 510
   No presentation
NEW COURSE PROPOSAL/MODIFICATION/ELIMINATION FORM FOR GRADUATE COURSES

Graduate course proposals, modifications, or eliminations must be submitted to the Graduate School no later than the 3rd of each month. Please refer to the Graduate School website for the Curriculum Committee meetings schedule. Electronic signatures and submission is required.

Please return the completed e-form with appropriate signatures and documentation to the Graduate School by saving the form to your desktop and sending as an attachment to graduate@maine.edu. Please include in the subject line 'Course Proposal' and the course designator and number.

GRADUATE PROGRAM/UNIT  School of Food and Agriculture

COURSE DESIGNATOR  FSN  COURSE NUMBER  510  EFFECTIVE SEMESTER  fall 2019

COURSE TITLE  Trace Minerals

REQUESTED ACTION

NEW COURSE (check all that apply, complete Section 1, and submit a complete syllabus):

☐ New Course
☐ New Course with Electronic Learning
☐ Experimental

MODIFICATION (Check all that apply and complete Section 2):

☐ Designator Change  ☐ Description Change  ☐ Cross Listing (must be at least 400-level)\(^1\)
☐ Number Change  ☐ Prerequisite Change
☐ Title Change  ☐ Credit Change

ELIMINATION:

☐ Course Elimination

ENDORSEMENTS

Please sign using electronic signatures. If you do not already have a digital signature, please click within the correct box below and follow the on-screen instructions.

Leader, Initiating Department/Unit(s)

College(s) Curriculum Committee Chair(s) [if applicable]

College Dean(s)

Graduate School [sign and date]

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\(^1\) Courses cross-listed below 400-level require the permission of the Graduate School.
SECTION 2 (FOR COURSE MODIFICATIONS)

Current catalog description (include designator, number, title, prerequisites, credit hours):

FSN 510 - Trace Minerals

A study of trace mineral metabolism with special emphasis on digestion and absorption. Covers excretion, storage and homeostatic mechanisms and the interactions of trace minerals to other dietary inorganic and organic components. Emphasis on clinical conditions.

Prerequisites & Notes
FSN 410 and NUR 303 or permission.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

FSN 510 - Trace Mineral Nutrition, Metabolism and Clinical Applications

Presents a global approach of the role of trace elements in the human body, food and the environment. Examines their function as nutrients (deficiency and toxicity) and how they impact human health and chronic disease and their applications in a clinical setting. Addresses their role on gene expression in relation to health and disease. The impact of environmental changes on trace elements in the food chain and ultimately human and animal health is explored.

Prerequisites & Notes
FSN 410 and NUR 303 or permission.

Credits: 3

Reason for course modification:

Better depicts the topics included in the course.

SECTION 3 FOR COURSE ELIMINATIONS

Reason for Elimination

Please return the completed e-form with appropriate signatures and documentation to the Graduate School by saving the form to your desktop and sending as an attachment to graduate@maine.edu. Please include in the subject line 'Course Proposal' and the course designator and number.