**Term Information**

**Effective Term**
- Spring 2014

**Previous Value**
- Summer 2012

**Course Change Information**

**What change is being proposed? (If more than one, what changes are being proposed?)**
1) Adding C- or better for prerequisite course, 2) Adding limits to Nutrition Majors (Human, Animal, and Medical Dietetics).

**What is the rationale for the proposed change(s)?**
1) A C- is currently required in all Human Nutrition courses to graduate. This will help our students determine that they need to change majors sooner. 2) Limiting senior level courses to majors only will stop students from taking all of the courses when they have not been admitted to the program.

**What are the programmatic implications of the proposed change(s)?**
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
We may lose students who do poorly in our introductory course 2310, as they change majors.

**Is approval of the request contingent upon the approval of other course or curricular program request?**
Yes

**Please identify the pending request and explain its relationship to the proposed changes(s) for this course (e.g. cross listed courses, new or revised program)**
1) We are adding C- or better for all prerequisite courses for all of our undergraduate Human Nutrition courses, 2) We are adding the limits to majors for all senior level courses.

**Is this a request to withdraw the course?**
No

**General Information**

**Course Bulletin Listing/Subject Area**
- Human Nutrition

**Fiscal Unit/Academic Org**
- Department of Human Sciences - D1254

**College/Academic Group**
- Education & Human Ecology

**Level/Career**
- Undergraduate

**Course Number/Catalog**
- 4610

**Course Title**
- Micronutrients and Phytochemicals

**Transcript Abbreviation**
- Micronutrients

**Course Description**
Application of biochemistry and physiology to understanding micronutrients, including structure, digestion, absorption, metabolism, excretion, requirements, sources, and interactions of vitamins, phytochemicals, water, electrolytes, and minerals.

**Semester Credit Hours/Units**
- Fixed: 3

**Offering Information**

**Length Of Course**
- 14 Week

**Flexibly Scheduled Course**
- Never

**Does any section of this course have a distance education component?**
- No

**Grading Basis**
- Letter Grade

**Repeatable**
- No

**Course Components**
- Lecture

**Grade Roster Component**
- Lecture

**Credit Available by Exam**
- No
COURSE CHANGE REQUEST
4610 - Status: PENDING

Last Updated: Buckworth, Janet
04/18/2013

Admission Condition Course
Off Campus
Campus of Offering

Prerequisites and Exclusions

Prerequisites/Corequisites
C- or above in HUMN NTR 610 or 4609; Human Nutrition, Medical Dietetics, or Animal Science major.
Previous Value
HUMN NTR 610 or 4609
Exclusions
None

Cross-Listings

Cross-Listings
None

Subject/CIP Code

Subject/CIP Code
51.3101
Subsidy Level
Baccalaureate Course
Intended Rank
Senior

Quarters to Semesters

Quarters to Semesters
New course
Give a rationale statement explaining the purpose of the new course
Provides in depth coverage of all known essential vitamins and minerals and phytochemicals important found to be important to health.
Sought concurrence from the following Fiscal Units or College

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors
The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes
* Identify the biochemical and physiological functions of the vitamins, minerals, water and important phytochemicals;
* Identify internal and external factors affecting bioavailability of vitamins, minerals and phytochemicals from various dietary sources;
* Integrate the functions of vitamins and minerals with biochemical and clinical expressions of inadequate or excessive intakes;
* Understand the basis for measurements used in assessment of micronutrient status as well as difficulties that can arise in micronutrient status assessment;
* Understand the rationale for the level of intakes established by the Dietary Reference Intakes (DRIs) and the Recommended Dietary Allowances (RDAs) for each of the vitamins and minerals; know the RDAs or other recommended intakes for each;
* Separate fact from fiction in popular claims made regarding individual vitamins and minerals.
Content Topic List

- Introduction to vitamins, minerals and phytochemicals; Dietary Reference Intakes
- Biochemical roles in energy production and metabolic pathways
- Defining essentiality of nutrients
- Water soluble vitamins
- Antioxidants; phytochemicals; bioflavonoids
- Fat soluble vitamins
- Calcium and phosphorus
- Water; Electrolytes
- Macro minerals
- Trace minerals
- Choline

Attachments

Comments

Workflow Information

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