Term Information

Effective Term: Summer 2012

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Delete FDSCTE 7762 crosslisting

What is the rationale for the proposed change(s)?
FDSCTE 7762 does not exist.

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)?
None

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area: Human Nutrition
Fiscal Unit/Academic Org: Dept of Human Nutrition - D1254
College/Academic Group: Education & Human Ecology
Level/Career: Graduate
Course Number/Catalog: 7762
Course Title: Vitamin and Mineral Metabolism
Transcript Abbreviation: Adv Micronutrients
Course Description: Biochemical functions, absorptions, transport, utilization, interrelationships and nutritional requirements of selective vitamins and minerals in higher vertebrates and humans.
Semester Credit Hours/Units: Fixed: 4

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
Admission Condition Course: No
Off Campus: Never
Campus of Offering: Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites: Biochemistry and Vertebrate Physiology
Exclusions: AN SCI, FD SCI and HUMN NTR 763
Cross-Listings

Cross-Listings
Yes: AN SCI 7762

Previous Value
Yes: AN SCI 7762, FD SCI 7762

Subject/CIP Code

Subject/CIP Code
19.0504

Subsidy Level
Masters Course

Intended Rank
Masters, Doctoral

Quarters to Semesters

Quarters to Semesters
Semester equivalent of a quarter course (e.g., a 5 credit hour course under quarters which becomes a 3 credit hour course under semesters)

List the number and title of current course being converted
HumnNtr 762: Principles of Nutrient Metabolism; HumnNtr 763: Vitamin and Mineral Metabolism.

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

Course Details

Course goals or learning objectives/outcomes

• The pathways of metabolism in higher animals for selected vitamin and minerals and the metabolic interrelationships of selected vitamins, minerals and other nutrients
• The role of selected micronutrients in cellular and molecular events and the processes and regulation involved in synthesis and degradation of selected vitamins
• Means of absorption, transport, tissue distribution and excretion of selected vitamins and minerals and species-dependent differences as appropriate
• Homeostatic regulation of vitamin & mineral metabolism during various physiological and pathophysiological conditions
• Pathophysiologic effects of deficient and excessive intake of selected vitamins and minerals and the sensitivity of various markers used to assess “nutritional status” for selected vitamins and minerals
• Develop scientifically sound, well organized and scholarly critiques of selected papers from the primary literature

Attachments

Comments
## Workflow Information

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