Term Information

Effective Term
Autumn 2013

Previous Value
Summer 2012

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Request to remove HN 7765, Nutritional Assessment of Individuals and Populations, from the curriculum for the MS and PhD degrees

What is the rationale for the proposed change(s)?
The competencies covered in HN 7765 are being addressed in two other courses, HN/AS 7789 Nutrition Research Design and HN/AS 7899 Oral Research Communication.

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)?
The Assessment course will be removed from the core courses and the competencies will be addressed through 2 existing courses. This will avoid duplication of competencies. Both MS and PhD students are required to take 7789 and 7899.

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)
The revised plan of study is dependent on withdrawal of HN 7765.

Is this a request to withdraw the course? Yes

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
7765

Course Title
Nutritional Assessment of Individuals and Populations

Transcript Abbreviation
Nutr Assessment

Course Description
Role of nutrition assessment in the planning, surveillance and monitoring of individuals, populations and health interventions.

Semester Credit Hours/Units
Fixed: 2

Offering Information

Length Of Course
14 Week

Flexible 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
Prerequisites and Exclusions

Prerequisites/Corequisites  None
Exclusions  None

Cross-Listings

Cross-Listings  None

Subject/CIP Code

Subject/CIP Code  30.1901
Subsidy Level  Doctoral Course
Intended Rank  Masters, Doctoral

Quarters to Semesters

Quarters to Semesters  Modified or re-envisioned course that includes substantial parts of the content and learning goals of one or more quarter courses
List the current courses by number and title that are to be subsumed into proposed course  HumnNtr 889: Nutrition Research - Principles and Techniques. This current course has been split into two semester courses, HumnNtr 7765: Nutritional Assessment of Individuals and Populations and NumnNtr 7789: Nutrition Research Design.

Requirement/Elective Designation

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

Course Details

Course goals or learning objectives/outcomes
- Provide an assessment of an individual's nutritional status based on anthropometry, biochemistry, functional, clinical and dietary intake parameters
- Discuss molecular markers of nutrient intake
- Understand principles of nutrition epidemiology and nutrition surveillance
- Plan and assess the nutrient adequacy of diets
- Discuss food determinants, including economic, supply/demand, medical, cultural, care-giving, intra-household and community food distribution
- Assess factors affecting food supply, including seasonality, food security, dietary quality, and food preservation
- Describe nutrition surveillance and monitoring systems
Content Topic List

• Purpose of nutrition assessment
• Assessment of nutritional status based on anthropometry, biochemistry, clinical and dietary intake parameters: purpose and procedures for each type of assessment, reference norms
• Types of dietary assessment, including diet history, food frequency questionnaire, 24-hour recalls, food records, and behavioral checklists
• When to use each method, strengths and weaknesses of each approach, number of days of intake needed based on the nutrient(s) of interest, issues to consider based on face-to-face vs. mail vs. telephone administration
• Define precision in dietary assessment, including specificity, sensitivity and validity of common assessment tests and methods
• Types of functional assessment and markers for each
• Laboratory assessment and molecular markers of nutrient intake
• Explain situation assessment, including screening, prevalence, at-risk groups, hunger, malnutrition and overnutrition
• Measuring food consumption at the household and national level
• Nutrient adequacy based on Dietary Reference Intakes
• Determinants of food intake, including political, cultural and socioeconomic
• Factors affecting food supply, including seasonality, dietary quality and food production
• National Nutrition Surveillance Monitoring Systems in the U.S. such as NHANES and surveillance by the CDC

Attachments

• Nutrn Assess removal letter 3-11-13.docx: Approval letter for Graduate Studies Committee
  (Cover Letter. Owner: Miller, Carla K)
• Program rationale 2013.docx: Revised list of courses
  (Academic Program Revision Stmt. Owner: Miller, Carla K)

Comments

• The Graduate Studies Committee for OSUN, which includes representatives from all 3 colleges which support OSUN, met on March 11, 2013 and approved the withdrawal of HN 7765. (by Miller, Carla K on 03/12/2013 10:46 AM)

Workflow Information

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<td>Miller, Carla K</td>
<td>03/12/2013 10:47 AM</td>
<td>Submitted for Approval</td>
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<td>Approved</td>
<td>Buckworth, Janet</td>
<td>03/12/2013 04:17 PM</td>
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March 11, 2013

Office of Academic Affairs
205 Bricker Hall
190 North Oval Mall
Columbus, OH 43210

Dear Office of Academic Affairs:

On behalf of the OSU Nutrition (OSUN) Interdisciplinary Doctoral Program, I want to request a change to the curriculum for the Ph.D. degree. On March 11, 2013, the OSUN Graduate Studies Committee unanimously approved the removal of HN 7765, Nutritional Assessment of Individuals and Populations, from the curriculum for the Ph.D. It was concluded that the core competencies that were met in that class are covered in two other classes that students are required to take. These classes are HN/AS 7789 Nutrition Research Design and HN/AS 7899 Oral Research Communication. Thus, the competencies addressed in HN 7765 are duplicated in other courses.

Please feel free to contact me with any questions or concerns.

Sincerely,

Jeffrey Firkins, Ph.D.
Professor and Director of OSUN
**Type of Program:** Graduate Doctoral Degree  
**Degree Title:** Ph.D  

**Program Rationale:**  
The OSU Nutrition Ph.D. program is an interdisciplinary program established in 1996 between the Colleges of Education and Human Ecology; Food, Agricultural, and Environmental Sciences; Medicine; and Veterinary Medicine. There is a current MOU between the first three colleges. The Ph.D. Program is designed to provide a plan of course work as well as experiential learning that will prepare students for the interdisciplinary nature of modern Nutrition Science, equip students to adapt to the constantly developing and changing methods in quantitative and qualitative research in the nutritional sciences, and provide students with the oral and written communication skills required for the competitive job market. The OSU Nutrition Ph.D. Program has access to four colleges on Main Campus; the OARDC Research Center in Wooster, OH; more than 15 departments; over 50 faculty members; and also prominent centers such as The Comprehensive Cancer Center and The Food Innovation Center, making it the only program of its kind in the State of Ohio.

**List of Required Semester Courses**  
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>HN/AS/FST 7761</td>
<td>Macronutrients</td>
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<tr>
<td>HN/AS/FST 7762</td>
<td>Macronutrients</td>
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<td>HN/AS/FST 7789</td>
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<td>HN/AS/FST 7899</td>
<td>Oral Research Communication</td>
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<td>HN/AS/FST 8835</td>
<td>Grantsmanship</td>
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<td>1 course in Statistics</td>
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<tr>
<td>Advanced Nutrition</td>
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<td>Advanced Physiology</td>
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**List of Additional Courses in Advanced Nutrition**  
**Require 4 credit hours; recommend 3 classes**  
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<td>Women’s Health</td>
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<tr>
<td>HN/AS/FST 8833</td>
<td>Diet and Cancer</td>
<td>3</td>
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<td>HN/AS/FST 8834</td>
<td>Food Safety</td>
<td>2</td>
</tr>
<tr>
<td>HN/AS/FST 8836</td>
<td>Nutritional Genomics</td>
<td>3</td>
</tr>
<tr>
<td>HN/AS/FST 7620</td>
<td>Nutritional Toxicology</td>
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AS 5070 Nutritional Immunology 2
HN 7804 Community & Int’l Nutrition 3
HN 7806 Advanced Nutrition Education 3
AS 7030 Advanced Topics in Ruminant Nutrition 3

**Graduate Statistics**

*Require 3 credit hours; recommend 6 hours*

- AS 7000 Applied Biometrics 3
- Statistics 5301 Data Analysis I 3
- Statistics 5302 Data Analysis I 3
- or statistical equivalent

**Graduate Physiology**

*Require 4 credit hours; recommend 3 courses*

- AS 6067 Physiology of Lactation 2
- AS 6060 Physiology of Reproduction 3
- AS 8780 Molecular Biology Techniques 3
- AS 7030 Advanced Topics in Ruminant Nutrition 3
- AS 8100 Advances in Physiology of Domestic Animals 3
- Mol. and Cell. Biochem 7823 Control of Cell Growth and Proliferation 2
- Pathology 6640 Fundamentals of Oncology 4
- Nursing 7450 Pathophysiology of Altered Health States 5
- AS/ VetBios 7730 Endocrinology 4

**Transition Policy**

Students that have begun their degree under the quarter system will not be delayed or have their progress disrupted by the transition to semesters. As is the current policy, each student and their Advisory Committee will continue to meet yearly to make sure that the student is progressing toward completion of their Ph.D. in a timely manner.