

## Nikou, Roshan

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**From:** Graduate.Council.Web.Site@www.uky.edu  
**Sent:** Wednesday, September 03, 2008 2:05 PM  
**To:** Nikou, Roshan  
**Cc:** Price, Cleo  
**Subject:** Investigator Report

AnyForm User: www.uky.edu  
AnyForm Document: <http://www.research.uky.edu/gc/GCInvestigatorReport.html>  
AnyForm Server: www.uky.edu (/www/htdocs/AnyFormTurbo/AnyForm.php)  
Client Address: 172.21.72.67

College/Department/Unit: = Course: CNU 603

Category:\_ = New

Date\_for\_Council\_Review: = Sept 4, 2008

Recommendation\_is:\_ = Approve

Investigator: = Brett Spear

E-mail\_Address = bspear@uky.edu

1\_\_Modifications: = This is a newcourse that will be coordinated by Dr. Bruckner and taught by several faculty.

It is geared for students in several areas of health sciences where nutrition-related issues are important, including nursing, public health, and nutritionists. It will bring contemporary information to students. It is a required for for all Ph.D. and M.S. students in Nutritional Sciences. This is a 2 credit hour lecture-based course that will also be offered on Blackboard via the internet, so that health professionals at distant sites can also take this course. Issues regarding dietary requirements and guidelines, Food safety and processing, and drug-nutrient interactions, will be covered. This appears to be a relevant course that will provide timely and relevant information, and will be useful for current students and health care professionals. A syllabus is provided - details are sketchy but seems reasonable. Exam distribution seemed a bit unusual (100/50/50 for the three exams; I assume Exam 3 is the final exam.).

2\_\_Considerations: =

3\_\_Contacts: = Discussed briefly with Geza Bruckner.

4\_\_Additional\_Information: = This course appears to be reasonable and relevant to the Nutritional Sciences Graduate Program. Approval is recommended.

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## APPLICATION FOR NEW COURSE

1. Submitted by the College of Health Sciences Date: 10/9/07

Department/Division proposing course: Clinical Nutrition

2. Proposed designation and Bulletin description of this course:

a. Prefix and Number CNU 603

b. Title\* Integrated Nutritional Sciences III

\*If title is longer than 24 characters, write a sensible title (24 characters or less) for use on transcripts:

Integrated NutrSci III

c. Courses must be described by at least one of the categories below. Include the number of actual contact hours per week for each category, as applicable.

( ) CLINICAL ( ) COLLOQUIUM ( ) DISCUSSION ( ) LABORATORY ( 2 ) LECTURE  
( ) INDEPEND. STUDY ( ) PRACTICUM ( ) RECITATION ( ) RESEARCH ( ) RESIDENCY  
( ) SEMINAR ( ) STUDIO ( 2 ) OTHER – Please explain: Internet/Blackboard lectures

d. Please choose a grading system:  Letter (A, B, C, etc.)  Pass/Fail

e. Number of credit hours: 2

f. Is this course repeatable? YES  NO  If YES, maximum number of credit hours: \_\_\_\_\_

g. Course description:

This course is aimed at providing medical and health professional students with a working knowledge of dietary requirements and guidelines, nutritional assessment and nutritional requirements, food safety issues and nutritional needs throughout the lifecycle.

h. Prerequisite(s), if any:

Health Professional Graduate Status

i. Will this course be offered through Distance Learning? YES  NO

If YES, please circle one of the methods below that reflects how the majority of the course content will be delivered:

Internet/Web-based

Interactive video

Extended campus

Kentucky Educational Television (KET/teleweb)

Other

Please describe "Other": \_\_\_\_\_

3. Teaching method:  N/A or  Community-Based Experience  Service Learning Component  Both

4. To be cross-listed as: NS 603 and FSC 603  
Prefix and Number

Robert Harmon  
Signature of chair of cross-listing department

# APPLICATION FOR NEW COURSE

5. Requested effective date (term/year): Fall / 2008
6. Course to be offered (please check all that apply):  Fall  Spring  Summer
7. Will the course be offered every year?  YES  NO

If NO, please explain: \_\_\_\_\_

8. Why is this course needed?  
Students in the health professions (e.g. nutritionists, medical students, public health, nursing) need to be better educated regarding nutritional needs and food safety to better counsel their patients. The course as designed using streaming video and blackboard will enable health professional students readily available access to this course as well as offer opportunities for students at distance sites. This course is designed to give an overview of these nutritional issues. It is also a required component for masters and doctoral students in nutritional sciences and is part 3 of the Integrated Human Nutrition series.

9. a. By whom will the course be taught? Coordinated by Dr. Bruckner and taught by faculty in CNU, NS and FSC
- b. Are facilities for teaching the course now available?  YES  NO  
If NO, what plans have been made for providing them?  
\_\_\_\_\_

10. What yearly enrollment may be reasonably anticipated?  
10-15

11. a. Will this course serve students primarily within the department?  Yes  No
- b. Will it be of interest to a significant number of students outside the department?  YES  NO  
If YES, please explain.  
Health professional students in medicine, dentistry, nursing, pharmacy or public health could take this course to expand their knowledge in nutrition.

12. Will the course serve as a University Studies Program course<sup>†</sup>?  YES  NO  
If YES, under what Area? \_\_\_\_\_

<sup>†</sup>AS OF SPRING 2007, THERE IS A MORATORIUM ON APPROVAL OF NEW COURSES FOR USP.

13. Check the category most applicable to this course:
- traditional – offered in corresponding departments at universities elsewhere
- relatively new – now being widely established
- not yet to be found in many (or any) other universities

14. Is this course applicable to the requirements for at least one degree or certificate at UK?  Yes  No

15. Is this course part of a proposed new program?  YES  NO  
If YES, please name: Master's and Doctoral program in Nutritional Sciences

**APPLICATION FOR NEW COURSE**

16. Will adding this course change the degree requirements for ANY program on campus?  YES  NO  
 If YES<sup>†</sup>, list below the programs that will require this course:

Master's and Doctoral program in Nutritional Sciences

See attached

<sup>†</sup>In order to change the program(s), a program change form(s) must also be submitted.

17.  The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.
18.  Check box if course is 400G or 500.  If the course is 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

19. Within the department, who should be contacted for further information about the proposed new course?

Name: Geza Bruckner Phone: 31100 ext80859 Email: gbruckn@uky.edu

20. Signatures to report approvals:

<p align="center"><u>12/19/07</u></p> <p>DATE of Approval by Department Faculty</p> <p align="center"><i>Geza Bruckner</i> <u>4-28-08</u></p> <p>DATE of Approval by College Faculty</p> <p align="center"><u>3-10-08</u></p> <p>* DATE of Approval by Undergraduate Curriculum Committee</p> <hr/> <p>* DATE of Approval by Graduate Council</p> <p align="center"><u>7/15/08</u></p> <p>* DATE of Approval by Health Care Colleges Council (HCCC)</p> <hr/> <p>* DATE of Approval by Senate Council</p> <hr/> <p>* DATE of Approval by University Senate</p>	<table border="0" style="width:100%;"> <tr> <td style="width:40%;"><u>Karen Skaff</u></td> <td style="width:20%;"></td> <td style="width:40%; text-align: right;"><i>[Signature]</i></td> </tr> <tr> <td>printed name</td> <td>Reported by Department Chair</td> <td>signature</td> </tr> <tr> <td><u>Jay A Perman MD</u></td> <td></td> <td style="text-align: right;"><i>[Signature]</i> <u>4-29-08</u></td> </tr> <tr> <td>printed name</td> <td>Reported by College Dean</td> <td>signature</td> </tr> <tr> <td><u>C. Dorrell Jennings MD</u></td> <td></td> <td style="text-align: right;"><i>[Signature]</i></td> </tr> <tr> <td>printed name</td> <td>Reported by Undergraduate Council Chair Curriculum Committee</td> <td>signature</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">/</td> </tr> <tr> <td>printed name</td> <td>Reported by Graduate Council Chair</td> <td>signature</td> </tr> <tr> <td><u>Heidi Anderson</u></td> <td></td> <td style="text-align: right;"><i>[Signature]</i></td> </tr> <tr> <td>printed name</td> <td>Reported by Health Care Colleges Council Chair</td> <td>signature</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Reported by Office of the Senate Council</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Reported by Office of the Senate Council</td> </tr> </table>	<u>Karen Skaff</u>		<i>[Signature]</i>	printed name	Reported by Department Chair	signature	<u>Jay A Perman MD</u>		<i>[Signature]</i> <u>4-29-08</u>	printed name	Reported by College Dean	signature	<u>C. Dorrell Jennings MD</u>		<i>[Signature]</i>	printed name	Reported by Undergraduate Council Chair Curriculum Committee	signature			/	printed name	Reported by Graduate Council Chair	signature	<u>Heidi Anderson</u>		<i>[Signature]</i>	printed name	Reported by Health Care Colleges Council Chair	signature			Reported by Office of the Senate Council			Reported by Office of the Senate Council
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\*If applicable, as provided by the University Senate Rules. (<http://www.uky.edu/USC/New/RulesandRegulationsMain.htm>)

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Name: Geza Bruckner Phone: 31100 ext80859 Email: gbruckn@uky.edu

20. Signatures to report approvals:

12/19/07  
DATE of Approval by Department Faculty

323-1100 X 80859

Jaren O. Staff Ph.D. [Signature]  
printed name Reported by Department Chair signature

2-05-08  
DATE of Approval by College Faculty

Sharon Stewart [Signature]  
printed name Reported by College Dean signature

\* DATE of Approval by Undergraduate Council

/  
printed name Reported by Undergraduate Council Chair signature

\* DATE of Approval by Graduate Council

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/  
printed name Reported by Health Care Colleges Council Chair signature

\* DATE of Approval by Senate Council

/  
Reported by Office of the Senate Council

\* DATE of Approval by University Senate

/  
Reported by Office of the Senate Council

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## Syllabus

### **Integrated Nutritional Sciences: Part 3**

#### **CNU/NS/FSC 603**

A Blackboard Course – 2 credit hours

Coordinating Instructor – Geza Bruckner

e-mail – [gbruckn@uky.edu](mailto:gbruckn@uky.edu)

**Overview:** This course is aimed at providing medical and health professional students with a working knowledge of dietary requirements and guidelines, nutritional assessment, food safety issues and nutritional requirements and needs through the lifecycle. Upon completion of this course students will be able to:

1. Understand how dietary guidelines are determined
2. Express the demographics of differing population nutrient intakes and the relationships of diet to health and disease in human populations
3. Search for evidence supporting appropriate dietary interventions and support or refute fad diets
4. Design and formulate experimental diets for animal or human studies
5. Elaborate on procedures for assessing an individuals nutritional status and how nutrigenomics might be used to understand individual nutritional needs
6. Define major causes of microbial-food pathogenicity and processes and measures for avoiding food-toxicity including food processing and food additives
7. Understand how drugs affect food utilization and vice versa
8. Give advice on the nutritional needs of individual throughout the lifecycle

#### **Lectures – Developed using Camtasia for Blackboard Presentation**

\* (lecture hours) \*\* (corresponding chapters in textbook)

Textbook – Modern Nutrition in Health and Disease 10<sup>th</sup> Edition- Shils, Shike, Ross, Caballero and Cousins. Lippincott, Williams & Wilkens

1. Dietary requirements and guidelines
  - a. Dietary reference intakes: rationale and applications (2h)\*(104)\*\*
  - b. Dietary guidelines: national perspectives (1h)(105)
  - c. Nutrition labeling and dietary supplements(1h)(116)
  - d. Nutritional epidemiology (2h)(106)
  - e. Fads and Alternative nutrition therapy (2h)(111,112)
  - f. Experimental diet design (1h)(J. Nutr. papers)
  - g. Nutritional assessment (6h)(49, websites)
  - h. Sports nutrition (1h)(109)
  - i. Nutrigenomics (2h)(40)

#### **Exam 1 – Covers material under 1. a-i (100 points)**

2. Food safety

- a. Food processing, including microbial issues (2h)(113)
- b. Nutraceuticals/functional foods (2h)(37, 114)
- c. Food additives, contaminants, and natural toxicants and their risk assessment (2h)(115)
- d. Drug-nutrient interactions (1h)(97)

**Exam 2 – Covers material under section 2. a-d (50 points)**

- 3. Nutrition and the life cycle (6h)(50a,50b,51,52,53,54)

**Exam 3 – Covers material under section 3 (50 points)**

**GRADING POLICY Total Points: 200**

<b>Distribution:</b> Examination #1	100 points
Exam#2	50 points
Exam#3	50 points

**Grade Assignment:**

- A = 90-100%
- B = 80-89.99%
- C = 70-79.99%
- E = less than 70%

The grading scale may be curved at the end of the semester to account for natural break points.

**General Information:** Students are responsible for all materials and assignments as presented. The types of examination questions asked will vary and may include (but are not limited to) any one or combination of multiple choice, short answer, true/ false, matching, and/or essay questions. In addition, "policies related to excused absences, cheating/plagiarism, withdrawal, incomplete final exams and common exams can be found in your copy of Student Rights and Responsibilities. Policies are also described in the Nutritional Sciences student handbook. As students and faculty in the University of Kentucky, we are all responsible for adhering to these policies.