

Nikou, Roshan

From: Graduate.Council.Web.Site@www.uky.edu
Sent: Wednesday, September 03, 2008 2:28 PM
To: Nikou, Roshan
Cc: Price, Cleo
Subject: Investigator Report

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College/Department/Unit: = Program: Nutritional Sciences Masters Program

Category:_ = Change

Date_for_Council_Review: = Sept 4 2008

Recommendation_is:_ = Approve

Investigator: = Brett Spear

E-mail_Address = bspear@uky.edu

1__Modifications: = The program is being modified in order to reflect overall changes in the areas of nutrition and the move of the Graduate Center for Nutritional Sciences from the Graduate School to the College of Medicine. In the new curriculum, the M.S. students are expected to have a core knowledge in nutrition. This will be accomplished through NS601/602/603, statistics ((STA570), an ethics course, and several 1 credit courses. Importantly, the students will be expected to take a biochemistry course (400 level or higher) and physiology course (200 level or higher) to prepare them for this program. Once this core curriculum is completed, students can take specific courses for an emphasis in Clinical Nutrition, Wellness and Sports Nutrition, Community Nutrition, or Molecular and Biochemical Nutrition. Total credit hours required for degree completion are 30; this represents a change from 35 hours that were previously required. Students in Plan A will take research credit for their thesis research; Plan B students will take additional elective courses to complete the necessary hours. Final exam will be by oral exam or thesis defense.

2__Considerations: =

3__Contacts: = Discussed briefly with Dr. Geza Bruckner.

4__Additional_Information: = The changes proposed are justified. I do have several questions. First, how will the students in a plan A masters be supervised - will a committee meet regularly with the student to follow the research plan and progress. Second, how often the emphasis courses are taught - is it yearly? This will impact how quickly students can move through the program. Otherwise, I have no concerns and recommend approval.

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Cover Letter: Program and Curriculum Changes in the Nutritional Sciences Masters Program:

Please note that the recommended changes for the Masters program in Nutritional Sciences has been developed and approved by a Master's Curriculum Subcommittee with faculty representation from Medicine (Graduate Center for Nutritional Sciences), College of Health Sciences, Agriculture, and Nursing, as well staff representation from the UK Hospital Dietetics program and staff representation from Central Baptist Hospital. Additionally the curriculum, as submitted, was also approved by the Nutritional Sciences Curriculum Committee and the core faculty in the Graduate Center for Nutritional Sciences. Approval, for adding Counseling Techniques EDP 605 and Epidemiology CPH 605 as Emphasis Area requirements, has been received from the respective colleges.

Addendum: The proposed changes in the doctoral program are also attached since the curriculum is integrated between the two degree programs.

Note to CHS Academic Affairs - The following courses are CNU primary courses and need approval by the Academic Affairs Committee prior to moving on to the HCCC.

CNU 611 Advanced Medical Nutrition Therapy
CNU 612 Examination Skills for the Clinical Nutritionist
CNU/NS/FSC 603 Integrated Nutritional Sciences Part II
CNU 602 change to CNU 613 (*Minor Course Change*)

**UNIVERSITY OF KENTUCKY
REQUEST FOR CHANGE IN MASTERS DEGREE PROGRAM**

Program: Nutritional Sciences

Department/Division: Nutritional Sciences and Clinical Nutrition

College: Medicine/Health Sciences Bulletin pp _____

Degree Title (Old): Masters of Science Nutritional Sciences Major (New): _____

CIP Code: 30.1901 HEGIS Code: 30.0901

Accrediting Agency (if applicable): _____

I. CHANGE(S) IN PROGRAM REQUIREMENTS

	<u>Current</u>	<u>Proposed</u>
1. Number of transfer credits allowed (Graduate School limit: 9 hours or 25% of coursework)	9	Same
2. Residence requirement (if applicable)	None	Same
3. Language(s) and/or skill(s) required	None	Same
4. Termination criteria	Same as Graduate School	Same
5. Plan A requirements*	35 credits	30 credits
6. Plan B requirements*	35 credits	30 credits
7. Distribution of course levels required (At least one half must be at 600+ level & two thirds must be in organized courses)	Same	Same
8. Required courses (if applicable)	See Attached Course Changes	See Attached Course Changes
9. Required distribution of courses within program (if applicable)	(At least one half must be at 600+ level & two thirds must be in organized courses)	Same
10. Final examination requirements	Oral Exam or thesis defense	Same

* If there is only one plan for the degree, plans involving a thesis (or the equivalent in studio work, etc.) should be discussed under Plan A and those not involving a thesis should be discussed under Plan B.


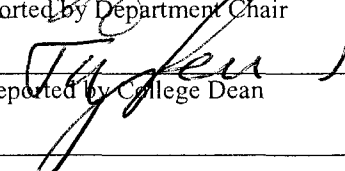
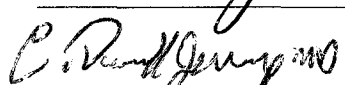
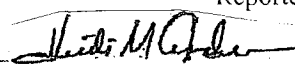
NOTE: To the extent that proposed changes in 5, 6 or 8 above involve the addition of courses in other programs, please submit correspondence from the other program(s) pertaining to the availability of such courses to your students.

11. Any other requirements not covered above
 Students will be required to have at least an undergraduate 200 level or equivalent physiology course. It is recommended that students have a 400 level or higher biochemistry course before entering the program.

II. RATIONALE FOR CHANGE(S)

If the rationale involves accreditation requirements, please include specific references to those requirements.
 We are realigning our courses and course requirements to better meet today's nutrition knowledge and skills needs for our students. With the Graduate Center for Nutritional Sciences move from the Graduate School to Medicine, we are revising both the MS and PhD curriculum (See Appendix) and are integrating the MS and PhD course requirements and curriculum to avoid duplication when possible. However there are courses that differ between the doctoral curriculum and master's curriculum particularly regarding the emphasis areas of Clinical Nutrition, Wellness and Sports Nutrition and Community Nutrition. With the proposed new curriculum, by eliminating overlap of courses and re-examining the core knowledge base expected of a graduating master's student in each of the emphasis areas, we are changing the total credit hours from 35 to 30. This change also allows distance learning students to complete their master's degree in a timelier manner and coordinates the clinical track with the hospital internship program allowing students to complete both the internship and master's degree in 2 to 2 1/2 years.

Signatures of Approval:

<p style="text-align: center;">12/19/07 _____ Date of Approval by Department Faculty</p> <p style="text-align: center;">9-28-08 _____ Date of Approval by College Faculty</p> <p style="text-align: center;">3-10-08 _____ *Date of Approval by Undergraduate Council Curriculum Committee</p> <p style="text-align: center;">*Date of Approval by Graduate Council _____</p> <p style="text-align: center;">7/15/08 _____ *Date of Approval by Health Care Colleges Council (HCCC)</p> <p style="text-align: center;">*Date of Approval by Senate Council _____</p>	<p style="text-align: center;">  323-1100 x 80585 _____ Reported by Department Chair</p> <p style="text-align: center;"> 4-29-08  _____ Reported by College Dean</p> <p style="text-align: center;">  _____ Reported by Undergraduate Council Curriculum Committee</p> <p style="text-align: center;"> _____ Reported by Graduate Council Chair</p> <p style="text-align: center;">  _____ Reported by HCCC Chair</p> <p style="text-align: center;"> _____ Reported by Senate Council Office</p>
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*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

Rev 07/06

Overview of Proposed Course Changes for the Master's in Nutritional Sciences

Current Core Course Required for MS NS

Course #,Title, (Credits)

Total Credits Required for **Degree 35**

CNU/NS 601 Macronutrient Metabolism (4)

NS/ASC 602 Micronutrient Metabolism (4)

NS/CNU/NFS 704 Current Topics (1)

STA 570 Basic Statistical Analysis (4)

BSC/ANT/NFS 607 Food Related Behaviors (3)

NS 771 Seminar (0) (1)**

NS/CNU/NFS 782 Special Problems* (1-6)

Core Credits 17

* Plan B only ** Plan A only

Proposed Core Courses for MS NS

Course #,Title, (Credits)

Total Credits Required for **Degree 30**

Prerequisites – 200 level or equivalent physiology course.

Recommend a 400 level biochemistry course.

CNU/NS 601 Integrated Nutritional Sciences Part I (3)

NS/ASC/CNU 602 Integrated Nutritional Sciences Part II (3)

CNU/NS/FSC 603 Integrated Nutritional Sciences Part III (2)

NS/CNU/NFS 704 Current Topics (1)

STA 570 Basic Statistical Analysis (4)

NS 771 Seminar (0) (1)**

NS/CNU/NFS 782 Special Problems* (1-6)

CNU/NS 609 Ethics (1)

Core Credits 15

* Plan B only ** Plan A only

Current Courses for Emphasis in Clinical Nutrition

Course #,Title, (Credits)

Prerequisite – B.S. in Dietetics and/or meeting ADA requirements

CNU/NS 701 Nutrition and Chronic Disease (4)

CNU/NS 702 Clinical Nutrition Problem Based Case Studies (1-3)

NS/NFS 640 Human Nutrition Assessment (3)

Emphasis Credits 8 to 10

Electives to equal a minimum of 35 credit hours

Proposed Courses for Emphasis in Clinical Nutrition

Course #,Title, (Credits)

Prerequisite – B.S. in Dietetics and/or meeting ADA dietetics requirements for internship

EDP 605 Counseling techniques (3)

CNU/NS 702 Clinical Nutrition Problem Based Case Studies (1-3)

CNU 611 Advanced Medical Nutrition Therapy (2) (New course)

CNU 612 Examination Skills for the Clinical Nutritionist (2) (New course)

Emphasis Credits 8 to 10

Electives to equal a minimum of 30 credit hours

Current Courses for Emphasis in Wellness and Sports Nutrition

Course #,Title, (Credits)

CNU/NS 605 Wellness and Sports Nutrition (3)
NS/NFS 630 Advance Community Nutrition (3)
NS/NFS 640 Human Nutrition Assessment (3)

KHP 620 Advanced Exercise Physiology (3)

Emphasis Credits 12

Electives to equal a minimum of 35 credit hours

Current Courses for Emphasis in Community Nutrition

Course #,Title, (Credits)

HES 600 Research Methodology in Human Environmental Sciences (3)
NS/NFS 630 Advance Community Nutrition (3)
NS/NFS 640 Human Nutrition Assessment (3)
NFS 516 Maternal and Child Nutrition (3) or
NS/NFS 620 Nutrition and Aging (2)

Emphasis Credits 12

Electives to equal a minimum of 35 credit hours

Current Courses for Emphasis in Molecular and Biochemical Nutrition

Course #,Title, (Credits)

BCH 607 General Biochemistry I (3)

BCH 608 General Biochemistry II (3)

NS/CNU 606 Molecular Biology Applications in Nutrition (2)
PGY 412G Principles of Human Physiology (4)
Emphasis Credits 8

Electives to equal a minimum of 35 credit hours

Proposed Courses for Emphasis in Wellness and Sports Nutrition

Course #,Title, (Credits)

CNU/NS 605 Wellness and Sports Nutrition (3)
EDP 605 Counseling techniques (3)
KHP 600 Exercise Stress Testing and Prescription (3)

KHP 620 Advanced Exercise Physiology (3)
CNU 501 Nutraceuticals and Functional Foods (2)

Emphasis Credits 14

Electives to equal a minimum of 30 credit hours

Proposed Courses for Emphasis in Community Nutrition

Course #,Title, (Credits)

CPH 605 Epidemiology (3)
NS/NFS 630 Advance Community Nutrition (3)
EDP 605 Counseling techniques (3)
NFS 603 Advanced Community Program Development (3)
NFS 607 Food Related Behaviors (3)

Emphasis Credits 15

Electives to equal a minimum of 30 credit hours

Proposed Courses for Emphasis in Molecular and Biochemical Nutrition

Course #,Title, (Credits)

BCH607 (IBS 601) Biochemistry (3) or CHE550 (3 credits)

BCH 608 (IBS 602) Biochemistry (3) or CHE552 (3 credits)

NS/CNU 606 Molecular Biology Applications in Nutrition (2)

Emphasis Credits 8

Electives to equal a minimum of 30 credit hours

Overview of Proposed Course Changes for the Master's in Nutritional Sciences

Current Core Course Required for MS NS
 Course #, Title, (Credits)
 Total Credits Required for **Degree 35**

CNU/NS 601 Macronutrient Metabolism (4)

NS/ASC 602 Micronutrient Metabolism (4)

NS/CNU/NFS 704 Current Topics (1)

STA 570 Basic Statistical Analysis (4)

BSC/ANT/NFS 607 Food Related Behaviors (3)

NS 771 Seminar (0) (1)**

NS/CNU/NFS 782 Special Problems* (1-6)

Core Credits 17

* Plan B only ** Plan A only

Proposed Core Courses for MS NS
 Course #, Title, (Credits)
 Total Credits Required for **Degree 30**
 Prerequisites – 200 level or equivalent physiology course.
 Recommend a 400 level biochemistry course.

CNU/NS 601 Integrated Nutritional Sciences Part I (3)

NS/ASC/CNU 602 Integrated Nutritional Sciences Part II (3)

CNU/NS/FSC 603 Integrated Nutritional Sciences Part III (2)

NS/CNU/NFS 704 Current Topics (1)

STA 570 Basic Statistical Analysis (4)

NS 771 Seminar (0) (1)**

NS/CNU/NFS 782 Special Problems* (1-6)

CNU/NS 609 Ethics (1)

Core Credits 15

* Plan B only ** Plan A only

Current Courses for Emphasis in Clinical Nutrition

Course #, Title, (Credits)
 Prerequisite – B.S. in Dietetics and/or meeting ADA requirements

CNU/NS 701 Nutrition and Chronic Disease (4)

CNU/NS 702 Clinical Nutrition Problem Based Case Studies (1-3)

NS/NFS 640 Human Nutrition Assessment (3)

Emphasis Credits 8 to 10

Electives to equal a minimum of 35 credit hours

Proposed Courses for Emphasis in Clinical Nutrition

Course #, Title, (Credits)
 Prerequisite – B.S. in Dietetics and/or meeting ADA dietetics requirements for internship

EDP 605 Counseling techniques (3)

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CNU 611 Advanced Medical Nutrition Therapy (2) (New course)

CNU 612 Examination Skills for the Clinical Nutritionist (2) (New course)

Emphasis Credits 8 to 10

Electives to equal a minimum of 30 credit hours

Current Courses for Emphasis in Wellness and Sports Nutrition

Course #, Title, (Credits)

CNU/NS 605 Wellness and Sports Nutrition (3)
NS/NFS 630 Advance Community Nutrition (3)
NS/NFS 640 Human Nutrition Assessment (3)

KHP 620 Advanced Exercise Physiology (3)

Emphasis Credits 12

Electives to equal a minimum of 35 credit hours

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NS/NFS 630 Advance Community Nutrition (3)
NS/NFS 640 Human Nutrition Assessment (3)
NFS 516 Maternal and Child Nutrition (3) or
NS/NFS 620 Nutrition and Aging (2)

Emphasis Credits 12

Electives to equal a minimum of 35 credit hours

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BCH 608 General Biochemistry II (3)

NS/CNU 606 Molecular Biology Applications in Nutrition (2)
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Electives to equal a minimum of 35 credit hours

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CNU/NS 605 Wellness and Sports Nutrition (3)
EDP 605 Counseling techniques (3)
KHP 600 Exercise Stress Testing and Prescription (3)

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CNU 501 Nutraceuticals and Functional Foods (2)

Emphasis Credits 14

Electives to equal a minimum of 30 credit hours

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Emphasis Credits 15

Electives to equal a minimum of 30 credit hours

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CHE550 (3 credits)
BCH 608 (IBS 602) Biochemistry (3) or
CHE552 (3 credits)

NS/CNU 606 Molecular Biology Applications in Nutrition (2)

Emphasis Credits 8

Electives to equal a minimum of 30 credit hours