

**From:** Scott Herness [<mailto:herness.1@gradsch.ohio-state.edu>]  
**Sent:** Tuesday, February 21, 2012 5:51 PM  
**To:** Firkins, Jeffrey  
**Cc:** Scott Herness  
**Subject:** Semester Conversion: OSU Nutrition Program

Jeff,

The Graduate School Curriculum Committee (GSCC) met today to review the OSU Nutrition proposal for semester conversion. This review occurs in preparation for the program's approval by the Council of Academic Affairs.

For the most part the proposal was straightforward and outlines what we know to be a strong and healthy program at OSU. I especially congratulate you for being ahead of the curve on programs goals and assessment as evidenced by your curriculum map. Nevertheless, the GSCC has requested a few clarifications.

- There appears to be confusion about the PACER table (page 1) which states 80 credit hours. Typically, the minimum in house and maximum outside hours (53 + 16) or the maximum in house and minimum outside hours (65 + 7) should total the required number of credit hours (80). As neither do, there are apparently some unaccounted hours.
- In the proposal it is stated that most students enter with the Master's degree. There was some confusion about where in the curriculum these students enter the program. The Plan of Study presents a clear overview of the curriculum for students entering with the Bachelor's degree. Could you clarify?
- The OSUN is described as an interdisciplinary program among the Colleges of Education and Human Ecology, Medicine, Food, Agriculture, and Environmental Science, Medicine, and Veterinary Medicine. Concurrence letters are provided for all but the latter. I also note that Veterinary Medicine may contribute only a single course to the curriculum and so a concurrence letter may not be necessary. Still, its omission seemed unusual.
- The Graduate Physiology requirement is listed as 4 credit hours on the curriculum overview (CAA page 17) but as 6 credit hours in its course listings (CAA page 18).
- There are no course numbers for the Graduate Physiology courses.

My goal would be to include this proposal on the CAA Agenda for the Feb 29<sup>th</sup> meeting. To do so, I would only need some clarification on the above points (email is fine). Your response would be added to the semester conversion proposal that is distributed to the CAA members for their

discussion and vote. Of course, you will be notified when the OSUN proposal goes before CAA so that you can attend the meeting.

Your prompt response would be helpful in moving this proposal quickly to CAA and to its eventual approval.

Please don't hesitate to contact me with any questions you might have.

My best,

Scott Herness

Dear Scott:

After looking back through the files to try to sort this out, I will be addressing the inconsistencies you raised point by point.

- We have modified our information slightly to accommodate these changes. Please see the attachments. In particular, our new count would suggest 53, 80, 0, and 27 credit hours for minimum required by the unit, maximum required by the unit, minimum required outside the unit, and maximum required outside the unit, respectively.
- Most students do enter OSUN with a MS, but we (like most doctoral programs) are having an increasing percentage of our top applicants having a BS combined with a verifiable foundation in undergraduate research. All students, regardless of prior degree, are expected to have the same competency in foundation courses, although many of our applicants enter our program with equivalency in some of our foundation courses. Therefore, we deemed it appropriate to provide the program for the student with the lowest base of prior coursework (entering with a BS or a MS outside of our field). Please note that we have extensive procedures set up within our OSUN handbook to provide flexibility. When a new student arrives, the Director serves as the official advisor. Students, Director, and Associate Director meet quarterly to advise on various matters including course enrollment, and this procedure is straightforward because they typically are taking only foundation courses. The student is matched with an advisor typically by the end of the first year. We expect the student to be making progress such that they can select an Advisory Committee by the end of the second year. The OSUN Graduate Studies Committee must approve the composition of the Advisory Committee. For example, we require at least two members to be from OSUN and one member must be outside of the student's home department. The approved Advisory Committee then agrees and signs off on a standard Plan of Study form to approve the entire curriculum of each student prior to the Candidacy Exam. These forms become part of the student's file. Therefore, each student has a certain degree of flexibility, but the core competencies of each student earning a PhD in OSUN are monitored to be consistently rigorous.
- We have modified some information provided to you to now clarify the issue about the College of Veterinary Medicine. OSUN was originally chartered to include all four of the colleges you identified. However, the current MOU under which we operate does not list the College of Veterinary Medicine because that college does not contribute financially to OSUN's operation and have not matriculated a student through OSUN in a very long time (none that I can

remember). Hopefully, this will change in the future. The MOU operates for two years with an option for two more years prior to the need for a new MOU.

- Please accept our apologies on the graduate physiology requirement. We expect 4-6 hours, which should have been identified on both pages.
- At the time, we did not have access to the Q2S numbers for those courses. These are below and included in the revised program rationale.

### **Physiology**

AnimSci 6067 Physiology of Lactation

AnimSci 6060 Physiology of Reproduction

AnimSci 8780 Molecular Biology Tech.

AnimSci 7030 Adv. Topics in Ruminant Nutrition

AnimSci 8100 Advances in Phys of Dom. Animals

Mol & Cell Biochem 7823 Control of Cell Growth & Proliferation

Pathology 6640 Fundamentals of Oncology

Nursing 7450 Pathophysiology of Altered Health States

AnimSci/Vetbios 7730 Endocrinology

Thanks very much.

Jeff

**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**

**Credits**

HN/AS/FST 7761 Macronutrients	4
HN/AS/FST 7762 Micronutrients	4
HN 7765 or AS equivalent Nutrition Assessment	2/3
HN/AS/FST 7789 Nutrition Research Design	1
HN/AS/FST 7899 Oral Research Communication	1
HN/AS/FST 8888 Interdepartment Seminar	4
HN/AS/FST 8998 Research	22
HN/AS/FST 8999 Dissertation Research	25
HN/AS/FST 8802 Micronutrients	3
HN/AS/FST 8801 Macronutrients; Lipids and Energy	3
HN/AS/FST 8835 Grantsmanship	1
1 course in Statistics	3
Advanced Nutrition	6
Advanced Physiology	4

**List of Additional Courses in Advanced Nutrition**

**Credits**

**Require 6 credit hours; recommend 3 classes**

HN/AS/FST 8832 Women's Health	3
HN/AS/FST 8833 Diet and Cancer	3
HN/AS/FST 8834 Food Safety	2
HN/AS/FST 8836 Nutritional Genomics	3

HN/AS/FST 7620 Nutritional Toxicology	2
AS 5070 Nutritional Immunology	2
HN 7804 Community & Int'l Nutrition	3
HN 8806 Advanced Nutrition Education	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 or statistical equivalent	3

**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

**These courses will need to be reexamined once courses for semesters are all decided**

**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.

OSUN Plan of Study - Semesters

Y1 Fall	Credits	Y1 Spring	Credits	Y1 Summer	Credits
HN/AS 7761 Macronutrients	4	HN/AS/FST 7762 Micro Nutrients	4	OSUN Supportive Elective	0-4
HN/AS 8888 - Seminar	1	HN/AS/ FST 7899 Oral Research Communication	1	HN/AS/FST 8998 Research	4
HN 7765/AS Assesment Elective	2/3	Statistics	3		
HN/AS/FST 7889 Nutr. Research Design	1	OSUN/Supportive Elective	0-4		
OSUN/Supportive Elective	0-4	HN/AS/FST 8998 Research	2		
HN/AS/FST 8998 Research	2				
<b>Total</b>	<b>10-15</b>	<b>Total</b>	<b>10-14</b>	<b>Total</b>	<b>4-8</b>

Y2 Fall	Credits	Y2 Spring	Credits	Y2 Summer	Credits
HN/AS/FST 8802 Micro Nutrients	3	HN/AS/ FST 8801 Macronutrients	3	HN/AS/FST 8998 Research	4
HN/AS/FST 8998 Research	2	HN/AS/ FST 8835 Grantsmanship	1		
OSUN/Supportive Elective	2-4	HN/AS/FST 7899 Oral Research Communication	1		
HN/AS 8888 Seminar	1	HN/AS/FST 8998 Research	2		
HN/AS/FST 8998 Research	2	OSUN/Supportive Elective	2-4		
<b>Total</b>	<b>10-12</b>	<b>Total</b>	<b>9-11</b>	<b>Total</b>	<b>4</b>

Y3 Fall	Credits	Y3 Spring	Credits	Y3 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3-6	HN/AS/FST 8998 Research	3-4
HN/AS/FST 8998 Research	6	OSUN/Supportive Elective	2-4		
OSUN/Supportive Elective	2-4				
<b>Total</b>	<b>9-11</b>	<b>Total</b>	<b>3-9</b>	<b>Total</b>	<b>3-4</b>

Y4 Fall	Credits	Y4 Spring	Credits	Y4 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3-8	HN/AS/FST 8999 Dissertation Research	3
HN/AS/FST 8999 Dissertation Research	2-7				
<b>Total</b>	<b>3-8</b>	<b>Total</b>	<b>3-8</b>	<b>Total</b>	<b>3</b>

Y5 Fall	Credits	Y5 Spring	Credits	Y5 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3	HN/AS/FST 8999 Dissertation Research	3
HN/AS/FST 8999 Dissertation Research	2				
<b>Total</b>	<b>3</b>	<b>Total</b>	<b>3</b>	<b>Total</b>	<b>3</b>

**TOTAL HOURS 80**

OSUN Requirements	OSUN Recommendations
1 Semester of Statistics	Statistics
Physiology	Three courses in Physiology
Advanced Nutrition	Three courses in Adv. Nutrition
Seminar every Semester offered	

**Advanced Nutrition Classes**

8833 Diet and Cancer	3
8834 Food Safety	2
8832 Women's Health	3
8836 Nutritional Genomics	3
FST 7620 Nutrition & Toxicology (7 wks)	2
AS 6308 Nutritional Immunology	2
HN 8804 Comm. and Intern'l Assessment	3
HN 8806 Advanced Assessment	3

**Recommended Statistics**

AS 7000 Applied Biometrics (Fall Sem)	3
Statistics 5301 Data Analysis I	3
Statistics 5302 Data Analysis II	3

Status: PENDING

**PROGRAM REQUEST**  
Ohio State University Nutrition Program

Last Updated: Hargett, Amanda Lee  
10/11/2011

<b>Fiscal Unit/Academic Org</b>	Graduate School Admin - D3000
<b>Administering College/Academic Group</b>	Education & Human Ecology
<b>Co-administering College/Academic Group</b>	Food, Agric & Environ Science Veterinary Medicine The College of Medicine
<b>Semester Conversion Designation</b>	Re-envisioned with significant changes to program goals and/or curricular requirements (e.g., degree/major name changes, changes in program goals, changes in core requirements, structural changes to tracks/options/courses)
<b>Current Program/Plan Name</b>	Ohio State University Nutrition Program
<b>Proposed Program/Plan Name</b>	Ohio State University Nutrition Program
<b>Program/Plan Code Abbreviation</b>	OSUN-PH
<b>Current Degree Title</b>	Doctor of Philosophy

**Credit Hour Explanation**

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		120	80.0	80	0.0
Required credit hours offered by the unit	Minimum			53	
	Maximum			65	
Required credit hours offered outside of the unit	Minimum			7	
	Maximum			16	
Required prerequisite credit hours not included above	Minimum				
	Maximum				

**Program Learning Goals**

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Status: PENDING

**PROGRAM REQUEST**  
Ohio State University Nutrition Program

Last Updated: Hargett, Amanda Lee  
10/11/2011

**Program Learning Goals**

- Critical Thinking: Students will use critical thinking, evidence-based principles and current information to analyze situations, issues & problems
- Ethics: Students will engage in the ethical conduct of research
- Communication: Students will communicate effectively both orally & in writing
- Research: Students will apply the scientific method, including comprehension of the literature, study design, & research methods, to specific research questions
- Nutrition-Related Sciences: Students will demonstrate comprehension of physical, biological, social & behavioral sciences and apply these scientific principles to the study of nutrition
- Health & Well-being: Students will demonstrate skills in assessing the nutritional status of humans & animals and in planning surveillance programs or intervention programs for optimal health
- Nutrition & Disease: Students will demonstrate comprehension of the relation between nutrition & the occurrence & management of disease
- Nutritional Sciences: Students will demonstrate in-depth knowledge of digestion, absorption, metabolism and functions of nutrient & other bioactive dietary compounds at the whole body, cellular & molecular levels

**Assessment**

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

**Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes**

**Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? No**

**DIRECT MEASURES (means of assessment that measure performance directly, are authentic and minimize mitigating or intervening factors)**

**Classroom assignments**

- Embedded testing (i.e. specific questions in homework or exams that allow faculty to assess students' attainments of a specific learning goal)
- Other classroom assessment methods (e.g., writing assignments, oral presentations, oral exams)

**Evaluation of a body of work produced by the student**

- Capstone course reports, papers, or presentations

**Direct assessment methods specifically applicable to graduate programs**

- Candidacy exams
- Research proposals written and grants awarded
- Thesis/dissertation oral defense and/or other oral presentation
- Thesis/dissertation (written document)
- Publications

**INDIRECT MEASURES (means of assessment that are related to direct measures but are steps removed from those measures)**

**Surveys and Interviews**

- Student evaluation of instruction

**Additional types of indirect evidence**

- Job or post-baccalaureate education placement
- Student or alumni honors/recognition achieved
- External program review



Status: PENDING

**PROGRAM REQUEST**  
Ohio State University Nutrition Program

Last Updated: Hargett,Amanda Lee  
10/11/2011

- Curriculum or syllabus review
- Grade review
- Comparison or benchmarking

**USE OF DATA (how the program uses or will use the evaluation data to make evidence-based improvements to the program periodically)**

- Meet with students directly to discuss their performance
- Analyze and discuss trends with the unit's faculty
- Analyze and report to college/school
- Make improvements in curricular requirements (e.g., add, subtract courses)
- Make improvements in course content
- Make improvements in course delivery and learning activities within courses
- Make improvements in learning facilities, laboratories, and/or equipment
- Periodically confirm that current curriculum and courses are facilitating student attainment of program goals
- Benchmark against best programs in the field

**Program Specializations/Sub-Plans**

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

**Pre-Major**

Does this Program have a Pre-Major? No

**Attachments**

- Letter for program final.pdf: Program support letter  
*(Letter from Program-offering Unit. Owner: Hargett,Amanda Lee)*
- Curriculum map April2011.pdf: Curriculum map  
*(Curricular Map(s). Owner: Hargett,Amanda Lee)*
- OSUN EHE Support Letter - signed.pdf: EHE Support Letter  
*(Support/Concurrence Letters. Owner: Firkins,Jeffrey Lynn)*
- FAES approval.pdf: FAES Support Letter  
*(Support/Concurrence Letters. Owner: Firkins,Jeffrey Lynn)*
- OSUN LOS from Medicine.pdf: COM Support Letter  
*(Support/Concurrence Letters. Owner: Firkins,Jeffrey Lynn)*
- Plan of study.pdf: Plan of study  
*(Semester Advising Sheet(s). Owner: Hargett,Amanda Lee)*
- Program rationale.pdf: Program Rationale & list of classes  
*(Program Rationale Statement. Owner: Hargett,Amanda Lee)*

Status: PENDING

**PROGRAM REQUEST**  
Ohio State University Nutrition Program

Last Updated: Hargett,Amanda Lee  
10/11/2011

**Comments**

- Please see new plan of study and program rationale that have Ph.D planned for 80 semester hours. Program Rationale reflects these changes. Please call at 614-519-9570 if need to discuss. *(by Hargett,Amanda Lee on 09/28/2011 10:49 AM)*
- Amanda (Elliot at the keys...) Just trying to confirm that all is well with your submission and I'm having trouble reconciling the 80 hour doctoral requirement with the seemingly "from BA/BS" programs you have entered where the Plan of Study adds up to 60 hours. Similarly, the list of courses included for the program rationale falls well short of 80. Should we discuss (2-0185) or is this something that can be explained or fixed? *(by Myers,Dena Elizabeth on 09/20/2011 02:32 PM)*
- The Plan of Study includes dissertation (8999) from the very first semester in the program. This course should only be utilized after a student attains candidacy. Pre-candidacy, the number utilized should be X998. *(by Slotnick,Elliot E on 06/29/2011 03:45 PM)*

**Workflow Information**

Status	User(s)	Date/Time	Step
Submitted	Hargett,Amanda Lee	05/03/2011 10:36 PM	Submitted for Approval
Revision Requested	Myers,Dena Elizabeth	05/11/2011 10:10 AM	Unit Approval
Submitted	Hargett,Amanda Lee	05/11/2011 11:07 AM	Submitted for Approval
Approved	Myers,Dena Elizabeth	05/27/2011 03:10 PM	Unit Approval
Approved	Firkins,Jeffrey Lynn	06/27/2011 01:24 PM	Ad-Hoc Approval
Approved	Myers,Dena Elizabeth	06/28/2011 11:35 AM	College Approval
Revision Requested	Slotnick,Elliot E	06/29/2011 03:45 PM	GradSchool Approval
Submitted	Hargett,Amanda Lee	07/06/2011 09:53 AM	Submitted for Approval
Approved	Myers,Dena Elizabeth	08/29/2011 01:11 PM	Unit Approval
Revision Requested	Myers,Dena Elizabeth	09/20/2011 02:33 PM	College Approval
Submitted	Hargett,Amanda Lee	10/11/2011 04:41 PM	Submitted for Approval
Pending Approval	Myers,Dena Elizabeth	10/11/2011 04:41 PM	Unit Approval



Ph.D Program in Nutrition (OSUN)

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1787 Neil Avenue  
Columbus, OH 43210-1295

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Fax (614) 292-8880  
[www.ehe.osu.edu/osun](http://www.ehe.osu.edu/osun)  
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May 3, 2011

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 am pleased to recommend the plan of approval for the Quarter-to-Semester (Q2S) conversion process. The OSUN interdisciplinary program was established in 1996 between the Colleges of Education and Human Ecology; Food, Agricultural, and Environmental Sciences; Medicine; and Veterinary Medicine. In 2011, the Colleges of FAES, EHE, and Medicine entered into a Memorandum of Understanding to enhance the interdisciplinary nature of nutrition across OSU. These efforts will build on the Q2S process outlined herein. During the 2009-2010 academic year, the OSUN Graduate Studies Committee evaluated program goals to meet current and emerging needs for recruitment of the highest caliber students and subsequent placement into top-tier institutions. The resulting process mostly consolidated courses and assigned credit hours according to the Q2S accepted formula while adding a few key components to capitalize on our program's successes, increase both rigor and flexibility in the curriculum, and enhance competency in nutrition sciences within and outside of the classroom and laboratory.

According to our MOU, the Graduate Studies Committee is partially appointed by the lead dean and partially elected by its body of members. Dr. Jeff Firkins (Department of Animal Sciences) serves as the current Director, and Dr. Carla Miller (Department of Human Nutrition) is the Associate Director. The rest of the committee includes Dr. Ramesh Salvaraj (Animal Sciences), Drs. Martha Belury, Helen Everts, and Earl Harrison (Human Nutrition), and Dr. Cameron Rink (Department of Surgery), who replaced Daren Knoell (Departments of Pharmacy Practice and Administration and in Internal Medicine) during the Q2S process. The OSUN GSC undertook the process of establishing program goals, core competencies and courses to meet each competency. Carla Miller assumed responsibility for directing the Q2S process. Program goals and competencies are based on the recommendations for a graduate degree in nutrition established by the American Society of Nutrition, the flagship professional organization of nutrition scientists in the U.S. The core competencies were presented at the OSUN faculty meeting on May 17, 2010 and approved by all faculty who were present. The following curriculum meets those general principles as outlined and approved at that meeting.

The majority of our students enter the program with a Master's degree in Nutrition (or closely related field), although some highly qualified students with prior research experience are admitted directly from a Bachelor's degree or with a Master's in a field that is more distantly related to nutrition. Based on a consensus approach to Q2S, the OSUN Graduate Studies Committee considers that the revised graduate curriculum will build on foundational concepts required for all students while better facilitating our students to compete for specialized, highly competitive positions after submitting their theses. In particular, we have a core of natural sciences, statistics, assessment, and metabolism courses that are primarily converted from previous quarter courses to semester courses. In addition, we have embedded or added separate courses (i.e., ethics, research design, and grantsmanship) of moderately low credit hours that enrich our students' doctoral experience, aid them in their future careers as nutrition scientists, and ultimately help them meet the changing needs of society. In addition, our curriculum includes a list of electives that will lead to two major tracks for those needing immersion in research 1) that is more clinical e.g., with human subjects or 2) more laboratory-based e.g., with tissue and cellular models. These courses are primarily converted from existing quarter courses, but also have been consolidated considerably.

Our aims are for all students to have a core competency in the concepts that our faculty deemed to constitute a collectively robust foundation, but students will progressively branch into courses that are more specific and based on cutting edge, primary literature in those specific areas. The latter will be taken by fewer OSUN students but are expected to draw some outside of the OSUN program and maintain an effective enrollment count for offering every other year. Please note that our class listing provides the full curriculum for those starting at a B.S.; those who enter with a M.S. or already with equivalent courses will skip through to the more specialized courses and into their candidacy exams sooner. The OSUN Graduate Handbook provides for the student's Thesis Committee to approve his/her individual course curriculum as overseen by the Director and Associate Director of OSUN to meet core expectations for all students.

Please feel free to contact me if you need assistance or have questions.

Sincerely,

Jeffrey Firkins  
Professor and Director of OSUN

Curriculum Map: Interdisciplinary Ph.D. Program in Nutrition (OSUN)	Critical Thinking: Students will use critical thinking, evidence-based principles and current information to analyze situations, issues & problems	Ethics: Students will engage in the ethical conduct of research	Communication: Students will communicate effectively both orally & in writing	Research: Students will apply the scientific method, including comprehension of the literature, study design, & research methods, to specific research questions	Nutrition-Related Sciences: Students will demonstrate comprehension of physical, biological, social & behavioral sciences and apply these scientific principles to the study of nutrition	Health & Well-being: Students will demonstrate skills in assessing the nutritional status of humans & animals and in planning surveillance programs or intervention programs for optimal health	Nutrition & Disease: Students will demonstrate comprehension of the relation between nutrition & the occurrence & management of disease	Nutritional Sciences: Students will demonstrate in- depth knowledge of digestion, absorption, metabolism and functions of nutrient & other bioactive dietary compounds at the whole body, cellular & molecular levels
Nutritional Assessment of Individuals & Populations (7765)					Intermediate	Intermediate	Intermediate	
Animal Sci Assessment course (6301/6302)					Intermediate	Intermediate	Intermediate	
Macronutrient Metabolism (7761)							Intermediate	Intermediate
Micronutrient Metabolism (7762)	Intermediate		Intermediate				Intermediate	Intermediate
Dept Research Seminar (8888)	Advanced		Advanced					
Student Research Communication (7899)	Advanced		Advanced					
Grantsmanship (8635)	Advanced		Advanced	Advanced				
Research Design (7889)	Advanced	Intermediate		Intermediate				
Macronutrient Function & Metabolism (AS HN FST 8802)	Advanced	Advanced		Advanced	Advanced		Advanced	Advanced
Micronutrient Function & Metabolism (AS HN FST 8801)			Advanced		Advanced		Advanced	Advanced
Advanced Nutrition Education (HN 8806)	Advanced	Advanced	Advanced	Advanced	Advanced		Advanced	
Community Nutrition (HN 8804)	Advanced	Advanced	Advanced	Advanced			Advanced	
Elective Courses								
Diet and Cancer (AS HN FST 8833)	Advanced		Advanced	Advanced			Advanced	Advanced
Women's Health (AS HN FST 8832)	Advanced		Advanced	Advanced			Advanced	Advanced
Food Safety (AS HN FST 8834)	Advanced		Advanced	Advanced			Advanced	Advanced
Genomics (AS HN FST 8836)	Advanced		Advanced	Advanced			Advanced	Advanced
Nutritional Toxicology (AS HN FST 7620)	Advanced		Advanced	Advanced			Advanced	Advanced
Nutritional Immunology (AS 6308)	Advanced		Advanced	Advanced			Advanced	Advanced
Teaching course/workshop			Advanced					






Office of Academic Affairs  
172 Arps Hall, 1945 N. High Street  
614 688-4571

Date: June 20, 2011

To: Randy Smith, Vice Provost for Academic Programs  
Elliot Slotnick, Associate Dean, Graduate School

From: Jackie Blount, Associate Dean, EHE Academic Affairs 

RE: Proposal for Ohio State University Nutrition PhD Program

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On behalf of the College of Education and Human Ecology, I am pleased to offer support of the proposed interdisciplinary Ohio State University Nutrition (OSUN) PhD Program. This degree program has been developed by a team of faculty from the Colleges of Education and Human Ecology; Food, Agricultural, and Environmental Sciences; and Medicine. I have been impressed with the quality of the program as it exists in quarters, as it was recognized as one of the top doctoral programs on campus in the 2008 OSU Doctoral Program Assessment and Plan, and I have great appreciation for the efforts of the team to ensure continued excellence as we convert to a semester calendar. As indicated in the letter from OSUN Director Dr. Jeffrey Firkins, the Graduate Studies Committee led by Carla Miller worked from the ground up to develop the program goals, core competencies, and courses for the semester program proposal. We agree that the resultant adjustments to the curriculum strengthen the program allowing for greater flexibility and preparing graduates to be successful in seeking highly competitive positions.

Our college supports the continued involvement of Education and Human Ecology faculty in this interdisciplinary program.





RE: OSU-N program - Message (Plain Text)

Message

Reply Reply Forward Delete Move to Create Other Block Safe Lists Categorize Follow Mark as Related Send to  
to All Respond Actions Junk E-mail Options Find Select OneNote

You replied on 5/31/2011 12:45 PM.  
Extra line breaks in this message were removed. Sent: Mon 5/30/2011 8:52 PM

From: Jill Pfister [jpfister.1@osu.edu]  
To: Amanda Hargett  
Cc:  
Subject: RE: OSU-N program

Amanda: The College of Food, Agricultural, and Environmental Sciences Committee on Academic Affairs has reviewed the proposal for the OSU-N Program. We unanimously approve the program. Please include a transition plan to address that students are not put at a disadvantage and the faculty are in support of the "pledge to Students".

Sincerely,  
Jill A. Pfister  
Jill A. Pfister  
Assistant Dean, Academic Affairs  
College of Food, Agric and Env Sciences  
100 Agr Admin  
2120 Fyffe Road  
Columbus, OH 43210

(614)292-1734  
(614)292-1218 Fax



The Ohio State University College of Medicine  
Office of Research



260 Meiling Hall  
370 West 9<sup>th</sup> Avenue  
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June 22, 2011

Randy Smith, Vice Provost for Academic Programs  
Elliot Slotnick, Associate Dean, Graduate School  
The Ohio State University  
Office of Academic Affairs  
205 Bricker Hall, 190 North Oval Mall

**Re: Proposal for Ohio State University Nutrition PhD Program**

Dear Drs Smith and Slotnick,

The College of Medicine has reviewed the proposal for the revised quarter-to-semester OSUN PhD Program. As a participating partner we are pleased to give our wholehearted support and very much look forward to our continued collaboration in this quality program.

Sincerely,

A handwritten signature in black ink, appearing to read 'Clay B. Marsh'.

Clay B. Marsh, MD  
Senior Associate VP for Health Sciences Research  
Vice Dean of Research for the College of Medicine  
Executive Director of the Center for Personalized Health Care  
Director of the Center for Critical and Respiratory Care



OSUN Plan of Study - Semesters

Y1 Fall	Credits	Y1 Spring	Credits	Y1 Summer	Credits
HN/AS 7761 Macronutrients	4	HN/AS/FST 7762 Micro Nutrients	4	OSUN Supportive Elective	0-4
HN/AS 8888 - Seminar	1	HN/AS/ FST 7899 Oral Research Communication	1	HN/AS/FST 8998 Research	4
HN 7765/AS Assessment Elective	2/3	Statistics	3		
HN/AS/FST 7789 Nutr. Research Design	1	OSUN/Supportive Elective	0-4		
OSUN/Supportive Elective	0-4	HN/AS/FST 8998 Research	2		
HN/AS/FST 8998 Research	2				
<b>Total</b>	<b>10-15</b>	<b>Total</b>	<b>10-14</b>	<b>Total</b>	<b>4-8</b>

Y2 Fall	Credits	Y2 Spring	Credits	Y2 Summer	Credits
HN/AS/FST 8802 Micro Nutrients	3	HN/AS/ FST 8801 Macronutrients	3	HN/AS/FST 8998 Research	4
HN/AS/FST 8998 Research	2	HN/AS/ FST 8835 Grantsmanship	1		
OSUN/Supportive Elective	2-4	HN/AS/FST 7899 Oral Research Communication	1		
HN/AS 8888 Seminar	1	HN/AS/FST 8998 Research	2		
HN/AS/FST 8998 Research	2	OSUN/Supportive Elective	2-4		
<b>Total</b>	<b>10-12</b>	<b>Total</b>	<b>9-11</b>	<b>Total</b>	<b>4</b>

Y3 Fall	Credits	Y3 Spring	Credits	Y3 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3-6	HN/AS/FST 8998 Research	3-4
HN/AS/FST 8998 Research	6	OSUN/Supportive Elective	2-4		
OSUN/Supportive Elective	2-4				
<b>Total</b>	<b>9-11</b>	<b>Total</b>	<b>3-9</b>	<b>Total</b>	<b>3-4</b>

Y4 Fall	Credits	Y4 Spring	Credits	Y4 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3-8	HN/AS/FST 8999 Dissertation Research	3
HN/AS/FST 8999 Dissertation Research	3-7				
<b>Total</b>	<b>3-8</b>	<b>Total</b>	<b>3-8</b>	<b>Total</b>	<b>3</b>

Y5 Fall	Credits	Y5 Spring	Credits	Y5 Summer	Credits
HN/AS 8888 Dept Seminar	1	HN/AS/FST 8999 Dissertation Research	3	HN/AS/FST 8999 Dissertation Research	3
HN/AS/FST 8999 Dissertation Research	2				
<b>Total</b>	<b>3</b>	<b>Total</b>	<b>3</b>	<b>Total</b>	<b>3</b>

**TOTAL HOURS** 80

OSUN Requirements	OSUN Recommendations
1 Semester of Statistics	Statistics 7
Physiology 6	Three courses in Physiology
Advanced Nutrition 6	Three courses in Adv. Nutrition
Seminar every Semester offered	

**Advanced Nutrition Classes**

8833 Diet and Cancer	3
8834 Food Safety	2
8832 Women's Health	3
8836 Nutritional Genomics	3
FST 7620 Nutrition & Toxicology (7 wks)	2
AS 6308 Nutritional Immunology	2
HN 8804 Comm. and Intern'l Assessment	3
HN 8806 Advanced Assessment	3

**Recommended Statistics**

AS 7000 Applied Biometrics (Fall Sem)	3
Statistics 5301 Data Analysis I	3
Statistics 5302 Data Analysis II	3



**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. 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**

**Credits**

HN/AS/FST 7761 Macronutrients	4
HN/AS/FST 7762 Micronutrients	4
HN 7765 or AS equivalent Nutrition Assessment	2/3
HN/AS/FST 7789 Nutrition Research Design	1
HN/AS/FST 7899 Oral Research Communication	1
HN/AS/FST 8888 Department Seminar	1
HN/AS/FST 8998 Research	22
HN/AS/FST 8999 Dissertation Research	25
HN/AS/FST 8802 Micronutrients	3
HN/AS/FST 8801 Macronutrients; Lipids and Energy	3
HN/AS/FST 8835 Grantsmanship	1
1 course in Statistics	3
Advanced Nutrition	6
Advanced Physiology	4

**List of Additional Courses in Advanced Nutrition**

**Credits**

**Require 6 credit hours; recommend 3 classes**

HN/AS/FST 8832 Women's Health	3
HN/AS/FST 8833 Diet and Cancer	3
HN/AS/FST 8834 Food Safety	2
HN/AS/FST 8836 Nutritional Genomics	3
HN/AS/FST 7620 Nutritional Toxicology	2

AS 6308 Nutritional Immunology	2
HN 8804 Community & Intern's Nutrition	3
HN 8806 Advanced Nutrition Education	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 or statistical equivalent	3

**Graduate Physiology**

**Require 6 credit hours; recommend 3 courses**

- AS Physiology of Lactation
- AS Physiology of Reproduction
- AS Molecular Events in Tissue Growth and Development
- Animal Sciences Advanced Topics in Ruminant Nutrition
- Animal Sciences Advances in Physiology of Domestic Animals
- Molecular and Cellular Biochemistry Control of Cell Growth and Proliferation
- Pathology Fundamentals of Oncology
- Pharmacy Pharmacokinetics
- Nursing and Pathophysiology of Altered Health States I and II, 10 cr
- Veterinary Biosciences Endocrinology

**These courses will need to be reexamined once courses for semesters are all decided**

**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.