HCCC – GCNS Doctoral Change- Further Documentation

1. Memorandum outlining:

    a) Integration plan- MS Program to COM
    b) Implication on MS Program

2. Revised Program Change Forms

3. Revised MOU with COM

4. Revised GCNS Administrative Structure

5. IBS MOU with GCNS

6. Proposed GCNS Ph.D. Curriculum

HCCC Doctoral change in GCNS AMENDS

Lindsay, Jim D.

From: Cassis, Lisa A
Sent: Wednesday, March 28, 2007 9:38 AM
To: Lindsay, Jim D.
Subject: FW: HCCC- GCNS Proposals
Attachments: masters program response to HCCC 3 26 07.rtf; change in doctoral program 3 27 07.doc; MOA Medicine 3 27 07.doc; administrative structure of the GCNS 3 27 07.rtf

Hello Jim,
I am forwarding this e-mail to you, since I got Dr. Anderson's out of the office reply.
Thanks,
Lisa

Lisa A. Cassis, Ph.D.
Professor and Director
Graduate Center for Nutritional Sciences
Room 521B, Charles T. Wethington Building
900 S. Limestone
University of Kentucky
Lexington, KY 40536-0200
Phone: 859-323-4933 ext 81400
Fax: 859-257-3646
email: lcassis@uky.edu

visit our website at: http://www.mc.uky.edu/nutrisci/index.html

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From: Cassis, Lisa A
Sent: Wednesday, March 28, 2007 9:37 AM
To: Anderson, Heidi Milia
Cc: Perman, Jay A; Blackwell, Jeannine; Bruckner, Geza; Post, Steven R
Subject: RE: HCCC- GCNS Proposals

Dear Dr. Anderson,

The attached documents respond to #2, below, regarding the Masters Program in the Graduate Center for Nutritional Sciences (GCNS) in relation to relocation to the College of Medicine. The documents include:

1. A file containing a memorandum outlining our specific response to 2a, b of your e-mail below (masters program response to HCCC 3 26 06). At the end of the memo, we describe specific changes in sections of curricular and structural documents (see #2-4, below).
2. The revised change in doctoral program form (change in doctoral program 3 27 07). This form will be sent by hard copy with signatures.
3. The revised memorandum of understanding with the College of Medicine (MOA medicine 3 27 07). We have revised the MOA under section #5 to include the Masters Program.
4. The revised administrative structure of the GCNS (administrative structure of the GCNS 3 27 07). We have revised this section to include the masters program.

I will provide the pdf file that contains the revised entire package of our (a) structural and (b) curricular documents, reflecting these changes, under separate e-mail (to minimize confusion).

Thank you.

Lisa

Lisa A. Cassis, Ph.D.
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visit our website at: http://www.mc.uky.edu/nutrisci/index.html

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From: Lindsay, Jim D. **On Behalf Of** Anderson, Heidi Milia
Sent: Monday, March 26, 2007 10:23 AM
To: Perman, Jay A; Blackwell, Jeannine; Cassis, Lisa A
Subject: HCCC- GCNS Proposals

Dear Dean Perman, Dean Blackwell and Dr. Cassis:

As I mentioned to you, I am concerned that your proposals were tabled by the HCCC at last week's meeting. The Council will review the proposals pending submission of documentation listed below:

1. **Request to Move the Graduate Center for Nutritional Sciences to the College of Medicine**
   a. Documentation of the procedure of how this proposal information was disseminated though out the entire COM faculty.
   b. Documentation of COM faculty input, including opinions.

2. **Doctoral Change in the Graduate Center for Nutritional Sciences**
   a. More details of the plan to integrate the MS program into the COM.
   b. Implications on the Master's Program.

Since the next scheduled HCCC meeting is on April 17, I am seeking advice from Senate Chair Tagavi about calling a special meeting before this date to attend to this matter. I will keep you apprised of the decision about a special meeting and/or next steps.

In the meantime, please send me any of the above mentioned documentation.

Thank you,
Heidi

Jim Lindsay

#1

MEMORANDUM

TO: Heidi Anderson, Ph.D.
Associate Provost for Faculty Affairs,
Chair, HCCC

FROM: Lisa Cassis, Ph.D.
Director, Graduate Center for Nutritional Sciences (GCNS)

RE: Requested documentation for the doctoral change in the GCNS

As per your e-mail dated March 26, 2007, we have drafted documentation to provide (a) more details of the plan to integrate the MS program into the College of Medicine (COM) and (b) implications on the master's program. We first provide a description of the graduate programs in the GCNS, which is followed by documentation for (a) and (b), above.

Description of the Graduate Programs in Nutritional Sciences (GCNS).

The GCNS offers two terminal degree programs, a masters and a doctorate in nutritional sciences (Figure 1). The masters program serves students seeking opportunities for advanced training in areas related to (a) sports nutrition, (b) community nutrition, (c) clinical nutrition (registered dietitians seeking advanced training) and (d) molecular nutrition. Educational experiences within the masters program include basic, applied and translational nutritional sciences. The doctoral program serves students seeking opportunities for educational and research training in all aspects of nutritional sciences, including basic and clinical science.

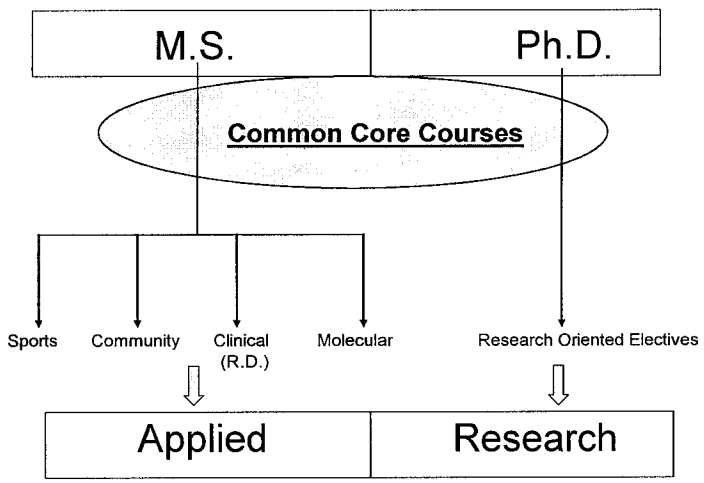


Figure 1.

While the outcomes and job opportunities may be different for students completing the masters and PhD degrees, graduate students in each program matriculate through a common core curriculum which provides basic information necessary for a graduate degree in nutritional sciences. Common core courses provide didactic information on basic nutrition, metabolic processes (both macro and

micronutrient metabolism), current relevant topics in nutrition including both clinical/translational and basic sciences, and statistics. In addition to completing the core curriculum, students in the masters program take additional electives that offer specialization within the emphasis areas. These courses are also offered as electives in the doctoral program, and are utilized by doctoral students for specialization in their research area of emphasis.

Faculty (both Core and Affiliated) of the GCNS contribute to both the masters and doctoral program through teaching in the core curriculum and elective course offerings, by serving on graduate advisory committees, and by acting as mentors to masters and doctoral students.

(a). Details on the plan to integrate the M.S. program into the College of Medicine (COM).

Given the similar educational and research missions of both the masters and doctoral programs in nutritional sciences, the terminal Masters degree program, with its current emphasis areas, structure, and courses will continue to operate within the GCNS following relocation to the COM. The administrative structure of the Masters Program will retain its current configuration, specifically with a Coordinator of Masters Studies, who oversees the daily operations of the program in close coordination with the DGS and the Center Director. To ensure its multidisciplinary structure, administrative committees overseeing masters education will continue to include faculty from each of the contributing educational units including the COM.

The M.S. program will remain separate from the IBS doctoral program within the COM, and as such, will remain a terminal degree offering. However, the location of this program in the COM will facilitate greater interaction of GCNS Faculty with COM faculty and increase training opportunities for students in the clinical nutrition emphasis area of nutritional sciences. In addition, the course offerings of the M.S. and doctoral program in nutritional sciences will be made available for graduate and professional students within COM programs. The addition of our applied nutrition emphasis in the masters program to the COM may be particularly suited for translational training of graduate and professional students in other COM programs.

The Memorandum of Understanding in the structural documents related to the relocation of the GCNS to the COM describes the administrative structure of the M.S. program (section 5.A). Additional details are provided in Section X, Administrative Structure of the GCNS.

(b). Implications of relocation of the GCNS to the COM on the Master's Program.

1. Administration: no major changes in the administration of the M.S. program with relocation to the COM. Potential beneficial implications include broader participation of COM faculty in training within the M.S. program and the availability of applied/clinical nutrition courses to graduate and professional programs within the COM.
2. Recruiting: no major changes in the recruitment of masters students, which will continue separate from the doctoral program, and separate from IBS.
3. Training Faculty: (i) same for current affiliated and core faculty of the GCNS, (ii) all GCNS faculty would remain eligible to serve as advisors to M.S. students, (iii)

potential positive implication to expand training faculty and open new avenues for clinical/translational initiatives (i.e., CTSA funded certificate programs).

4. Curriculum:
   A. Emphasis areas: no changes.
   B. Core Curriculum: The current curriculum of the masters program is:
   NS 601, Macronutrient Metabolism, 4 credits*
   NS 602, Micronutrient Metabolism, 4 credits*
   NS 704, Current Topics in Nutritional Sciences, 1 credit*
   STA 570, Basic Statistical Analysis, 4 credits*
   NS 607, Food Related Behaviors, 3 credits
   NS 771, Graduate Seminar in Nutritional Sciences, 0-1 credit*
   NS 768, Resident (Research) Credit in Nutritional Sciences (for Thesis Plan A option), 6 credits
   NS 782, Special Problems, 2-6 credits (for non-thesis Plan B option)

*, denotes similar core curricular requirement as doctoral program in nutritional sciences.

Currently, there are no proposed changes in the masters program curriculum with relocation to the COM. Any future potential changes in the masters program curriculum would initiate within the sub-committee of the Curriculum Committee and include full discussion and voting by the Faculty (Core and Affiliated) of the GCNS.

In addition to the information provided in this memorandum, we have revised the documents for the structural and curricular relocation of the GCNS in the following manner:

1. Structural documents:
   a. #2, Table of Contents, Memorandum of Understanding between the GCNS and the COM now includes the masters program in section 5. Graduate Program.
   b. #4, Administrative Structure of the GCNS now includes separate sections on (4a) structure within the COM, (4b) structure within the GCNS, (4c) educational structure. Sections 4b and 4c detail the masters program.

2. Curricular documents
   a. Change in doctoral degree program, #5, proposed credits change to 38 or 39.
   b. Change in doctoral degree program, #6, proposed, added 1 hour of credit for Tox 600.
   c. We have revised the rationale section to include the Tox 600 course, and to provide a rationale for each specific listed change.

#2

UNIVERSITY OF KENTUCKY
REQUEST FOR CHANGE IN DOCTORAL DEGREE PROGRAM

Program: **Nutritional Sciences**

Department/Division: **Graduate Center for Nutritional Sciences**

College: **Medicine** Bulletin pp.:

Degree title(Old): **Nutritional Sciences** Degree Title (New): **Nutritional Sciences**

CIP Code:

Accrediting agency (if applicable): **Not applicable**

I. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

	Current	Proposed
1. Number of transfer credits allowed		same
2. Residence requirement (minimum of one year before and after Qualifying Exams)		same
3. Language(s) and/or skill(s) required		same
4. Provisions for monitoring progress and termination criteria		same
5. Total credit hours required (if applicable)	32	38 or 39
6. Required courses (if applicable)	NS/CNU601 Macronutrient Metabolism, 4 credits	NS/CNU601 Macronutrient Metabolism, 4 credits
	NS/ASC 602 Micronutrient Metabolism, 4 credits	NS/ASC 602 Micronutrient metabolism, 4 credits
	NS/CNU/NFS 771 Graduate Seminar, 2 credit	NS/CNU/NFS 771 Graduate Seminar 1 credit
		NS 701, Nutrition and Chronic Disease, 4 credits
	NS/CNU/NFS 704 Current Topics, 1 credit	NS/CNU/NFS 704 Current Topics, 1 credit
	IBS 601/BCH607 Biomolecules I, 3 credits	IBS 601/BCH607, Biomolecules I, 3 credits
	IBS602/BCH608, Biomolecules II, 3 credits	IBS602/BCH608, Biomolecules II, 3 credits
	PGY502, Principles of Physiology, 5 credits	IBS606 Integrated Physiology, 4 credits or PGY 502, Principles of Physiology, 5 credits
	STA 570 Statistical analysis, 4 credits	STA 570 Statistical analysis, 4 credits
		IBS 603 Cell Biology, 3 credits
	Nutrition Selectives, 6 credits	Electives, 6 credits
		NS/CNU 609 Ethics in Clinical Sciences Research, 1 credit, OR Tox 600, 1 credit
7. Required distribution of courses within program		No specific distribution required

(if applicable)

8. Minor area or courses outside program required (if applicable)	Same
9.Distribution of courses levels required (400G-500/600-700)	Same
10. Qualifying examination requirements	Same

NOTE: To the extent that changes in 6. or 8. above involve additional courses in other programs, please include documentation from the program(s) pertaining to the availability of such courses.

UNIVERSITY OF KENTUCKY
REQUEST FOR CHANGE IN DOCTORAL DEGREE PROGRAM

11. Other requirements not covered above

Admissions requirement: Addition of requirements for 2 semesters in biology, 2 semesters in chemistry, 1 semester in organic chemistry, undergraduate biochemistry/physiology recommended, for students with no prior nutrition background request to take NFS 510 during year 1

II. RATIONALE FOR CHANGE(S)

If the rationale involves accreditation requirements, please include specific references to those requirements.

The GCNS is proposing to join the Integrated Biomedical Sciences (IBS) doctoral program in the College of Medicine. The proposed curricular structure coordinates with the IBS program, allowing students entering the GCNS program after the first year of IBS to complete required coursework by the end of the second year. We have revised the program such that there is one program that meets the needs of both biomedical (IBS) and non-biomedical students for doctoral training in nutritional sciences. The changes are summarized by (1) addition of NS 701 as a required course for all students, (2) addition of IBS 603 as a required course for all students, (3) change from requirement of 6 hours of nutrition selectives to 6 hours of electives (which include previous nutrition selective course offerings) and 4) addition of NS/CNU 609 Ethics in Clinical Sciences Research OR Tox 600 for all students. We have included NS 701, Nutrition and Chronic Disease as a required course due to the increasing prevalence of nutritionally-based disorders. We have changed the shorter list of selective courses to a list of broader elective courses to increase the flexibility of course offerings for specific research purposes, while maintaining a large based of nutritional electives to supplement core requirements. We have added a course on ethics because of the increasing need to educate students in ethics of research and clinical practice. The remainder of the IBS requirements (IBS 604, 605, 607, 609) can be taken as electives during year 1, with students taking required courses in nutritional sciences in year 2 when entering from IBS. Special care has been taken to ensure that there is no difference in the requirements for students entering nutritional sciences from IBS or through non-IBS pathways. For NS 602, Micronutrient Metabolism, we anticipate changing the course in the near future after full deliberation by Core and Affiliated Faculty of Nutritional Sciences.

Signatures of Approval:

3/27/07 (revised) Date of Approval by Department Faculty	Reported by Department Chair
3/27/07 (revised) 11/7/06 Date of Approval by College Faculty	Jeannine Blackwell Reported by College Dean
*Date of Approval by Undergraduate Council	Reported by Undergraduate Council Chair
Jeannine Blackwell Digitally signed by Jeannine Blackwell DN: cn=Jeannine Blackwell, c=US, o=University of Kentucky, ou=Graduate School, email=jeannine.blackwell@uky.edu Date: 2007.04.26 15:13:41 -04'00' Date of Approval by Graduate Council	Reported by Graduate Council Chair
*Date of Approval by Health Care Colleges Council (HCCC)	Reported by HCCC Chair
*Date of Approval by Senate Council	Reported by Senate Council Office
*Date of Approval by University Senate	Reported by Senate Council Office

*If applicable, as provided by the Rules of the University Senate

Rev 07/06

2. Memorandum of Understanding Between the Graduate Center for Nutritional Sciences and the College of Medicine.

This document summarizes the agreements pertinent to the transfer of the Graduate Center for Nutritional Sciences (GCNS) from the Graduate School to the College of Medicine (COM).

The mission of the GCNS is to provide research, graduate education, and service in Nutritional Sciences. A primary research and graduate training emphasis of Core Faculty in the GCNS is in the area of nutrition and chronic disease. Within the COM, the GCNS has many members who are located in different basic science as well as clinical departments. The GCNS seeks to preserve and expand the collaboration between Core and Affiliated Faculty across the units of the COM, including the Clinical Enterprise. The close alignment of research interests between Core Faculty in the GCNS and basic and clinical research in the COM is a primary rationale for locating the GCNS to the COM. The GCNS seeks through this transfer to establish a research focus group in the area of obesity and diabetes that encompasses faculty within the GCNS and other Departments in the COM. This initiative will build upon the inter-disciplinary nature of the GCNS to bring together researchers from multidisciplinary backgrounds towards the study of obesity and diabetes.

The GCNS trains graduate students in various aspects of nutritional sciences through the combined efforts of Core and Affiliated Faculty (faculty with a graduate appointment in Nutritional Sciences). Affiliated Faculty have appointments and research interests in nutrition and chronic disease and other areas, including clinical nutrition, animal nutrition, and food science. The GCNS, in considering a move to the COM, seeks to preserve the multidisciplinary elements that have served it well in the past. Thus, interactions of Affiliated Faculty with the GCNS in graduate training and in research will continue upon transfer of the GCNS to the COM.

In addition to the Affiliated Faculty in the basic and clinical departments of the COM, the GCNS has core faculty and affiliated members from several departments in the College of Agriculture (COA). The COA offers the undergraduate degree in nutrition and dietetics (i.e., the Registered Dietician) and a masters degree in Dietetics Administration, and several departments of the COA partner with the GCNS in research. Thus, the GCNS seeks to preserve the working relationship with the COA as outlined in a Memorandum of Understanding between the Colleges of Medicine and Agriculture Concerning the GCNS (see attached MOU).

1. Graduate Center Status

   The GCNS will maintain a University-wide multidisciplinary graduate training program by involving Affiliated Faculty with compatible interests from other colleges to participate in its teaching and research programs. The GCNS will support this multidisciplinary training program through support of seminars of broad interest to the Core and Affiliated Faculty and through recruitment of

students with broad interests in nutritional sciences. An Executive Committee will be established comprised of Core Faculty and Affiliated Faculty that are representative of the COM (both basic and clinical departments), the COA, and other center members. The role of the Executive Committee will be to advise the Director in relation to the graduate program, and in maintaining the multidisciplinary aspects of the program.

2. Faculty

A. Core Faculty. The Core Faculty in the GCNS will retain their primary appointments and tenure in the GCNS. The Core Faculty will provide input to the Director regarding faculty recruitments, tenure and promotion, and budgetary decisions of the Center. The following is a list of the current Core Faculty and their cost sharing arrangements with the COA.

Lisa Cassis, Professor and Director, 100% GCNS
Catherine Mao, Assistant Professor, 100% GCNS
Jianhua Shao, Assistant Professor, 100% GCNS
Shuxia Wang, Assistant Professor, 100% GCNS
Linda Chen, Professor, 51% GCNS, 49% COA
Ching Chow, Professor, 15% GCNS, 85% COA
Howard Glauert, Professor, 1% GCNS, 99% COA

B. Affiliated Faculty. The Affiliated Faculty and their primary appointments are provided in attached spreadsheets (#5, "b"). There are approximately 46 Affiliated Faculty who hold primary appointments outside the GCNS and participate in the curriculum and training programs of the GCNS.

C. Director. Dr. Lisa Cassis is the current Director of the GCNS and will remain in this role in such time as the GCNS undergoes its next formal review. The Director of the GCNS will have primary oversight of budgetary decisions of the Center.

3. Reporting Relationship

The GCNS will be administratively located in the COM as a Basic Science Department. The Director will report to the Dean of the COM who will perform his/her annual evaluation. The Director will be co-equal with other Basic Science chairs in terms of access to the Dean, compensation range, and voting privileges at the Council of Chairs. The Dean of the COM will consult with the GCNS faculty and other faculty, Department Chairs, Deans, and Center Directors with whom the GCNS has active programs as part of the evaluation process.

4. Curriculum and Teaching

The GCNS will have an academic research training program with authority over

its masters and doctoral curriculum. The Core Faculty will participate in the Integrated Biomedical Sciences (IBS) program of the COM and will serve on IBS committees, including a representative on the Admissions Committee. The Director of Graduate Studies (DGS) of the GCNS (or the Chair of the Curriculum Committee) will serve on the IBS Academic Committee. The Center Director will make teaching assignments for the Core Faculty, and will consult with the department chair (or designate) of the secondary appointment for teaching assignments of Core Faculty whom are cost-shared with other and have joint academic appointments in other units. The Director will consult with the Dean of the COM in working collaboratively to serve the teaching needs of the graduate and professional programs. GCNS Core Faculty may perform voluntary teaching in courses offered by other Colleges or Centers. The teaching responsibilities of the Core Faculty will be commensurate with the size and productivity of the GCNS Core Faculty.

5. Graduate Program

A. Masters Program: The GCNS will continue the Masters Program in Nutritional Sciences. The Masters Program will function as an autonomous multidisciplinary training program residing within the GCNS with full participation of Core and Affiliated faculty. The Coordinator of the Masters Program in Nutritional Sciences, assigned by the Chair of the GCNS, will facilitate the administration of the educational aspects of the Masters Program. College of Medicine Faculty, as Affiliated Faculty of the GCNS, will be given the opportunity to participate in the Masters Program. In addition, courses offered in the Masters Program will be made available for graduate and professional students within COM Programs. Administrative oversight of the Masters Program will remain under the current structure with relocation to the COM. If programmatic changes within the COM influence the future of the Masters Program, then the Dean of the COM will discuss the program with Deans of participating units with potential reversion of the Masters Program to the Graduate School, or to a participating unit.

B. Doctoral Program: The GCNS will recruit doctoral students directly into the Nutritional Sciences training program, and these students will work with either Core or Affiliated Faculty. The GCNS will also recruit students from the IBS program. Affiliated faculty of the GCNS outside of the COM could direct doctoral students recruited directly through the GCNS, while IBS students would work with COM faculty. The graduate students recruited under both programs will be treated as equals from the perspective of the GCNS, will have comparable stipends and benefits as first year students. Students recruited into the GCNS training program will obtain their degree in Nutritional Sciences, regardless of the primary departmental affiliation of the Major Advisor.

6. Fiscal Arrangements

A. Enhancement funds: The Dean of the COM will negotiate with the Office of

Research to continue enhancement (10% of indirect costs of 5th floor investigators, i.e., non-primary faculty) for program operations. These funds are used to operate the research enterprises located to the 5th floor, Wethington Building. The Director of the GCNS will work with the Director of the Cardiovascular Research Center (CRC) in decisions related to the use of these funds, to collectively enhance the programs of both the GCNS and the CRC. The Director may also consult with faculty whose research programs are located to the floor regarding the use of these funds.

B. The Director of the GCNS will develop a budget and will have responsibility for the expenditure of funds from this budget. The GCNS budget will be part of the COM budget, with the exception of enhancement funds specified in 6A, above. Increases in state funds for salaries made available to the College will be shared with the Center as part of the merit evaluation process for faculty that are 100% in the COM. Salary increases for Core Faculty that are shared with the COA will be negotiated with the Dean of the COA. In general, other state-funded increases or decreases will be shared in proportion to the number and productivity of full-time faculty in tenured or tenure-eligible series in the Center relative to other centers and departments in the College.

C. Any adjustment increases in salaries occurring as part of this transfer (see attached spreadsheet) will require the approval of the Provost.

D. If the Board of Trustees provides any salary increases to faculty and staff (beyond those noted in 6C, above), they will be transferred to the COM along with the recurring bases.

E. The Director will have the option to make Wethington Awards to GCNS Core Faculty with 100% appointment in the COM provided that such awards do not produce a deficit in the GCNS's budget. For GCNS Core Faculty with joint appointments in the College of Agriculture or in other COM Departments, the Director will consult with the appropriate Administrator for that unit in decisions related to Wethington Awards.

F. The COM will provide the GCNS with $ (see attached spreadsheet) in new recurring funds. These funds will be used for the following purposes: (1) to bring the Director's salary and benefits to the current mean of the salaries of the other laboratory-based basic science Department Chairs, (2) augmenting current Core Faculty salaries and benefits, (3) creating new Core Faculty lines, (4) supporting graduate students, (5) supporting staff, (6) general expenses.

G. The Graduate School, Dean of Medicine, Dean of Agriculture and the Provost agree that the attached budget represents accurately the financial commitments made to the GCNS and agree that all recurring funding will be transferred to the College of Medicine.

7. Service Responsibilities

The Core Faculty of the GCNS will participate in committee assignments and other service activities designated by the Director and Dean.

8. Space

The GCNS will remain in its current location occupying 36,000 square feet of space on the 5th floor, Wethington Building. Allocation of space on the 5th floor, GCNS, will be under the supervision of the Director. The Director will consult with the Director of the Cardiovascular Research Center in assigning space of faculty that are members of the Cardiovascular Research Center. All space assignments will be subject to review by the Provost. The GCNS seeks through this transfer to build a program of research excellence in the area of obesity and diabetes. Additional Core Faculty will be recruited to expand the research base in obesity/diabetes in collaboration with other COM Departments. Space will be provided for these faculty, as well as researchers on campus in other academic units in the area of obesity/diabetes, that is in close proximity to the GCNS to foster an environment of research excellence in obesity/diabetes.

9. Administrative Staff

The GCNS will be assisted by staff in positions described in the attached spreadsheet. These staff will assist in administering the financial and educational aspects of the Center.

10. Plans for GCNS Faculty Expansion

A. Current Recruitments

1. Junior Faculty in Diabetes

The faculty member in this position will hold a primary appointment in the GCNS at the rank of Assistant Professor in the Regular Title Series. The funding for this position will begin on July 1, 2007. The salary ($80,000; 12 month appointment) and benefits for this position will be funded through funds provided from the COM to the GCNS. Assignment of the distribution of effort and performance evaluations will be made by the Center Director. Space and startup funding will need to be identified for this recruitment.

B. Future Recruitments

1. Associate Professor in Clinical Nutrition

The faculty member in this position will hold a primary appointment in the

GCNS at the rank of Associate Professor in the Regular Title Series. The funding for this position will begin on July 1, 2008. A clinical nutrition research program in obesity and/or diabetes is preferred. The salary ($100,000; 12 month appointment) and benefits for this position will be provided by funds to the GCNS from the COM ($50,000) and from the Department of Pediatrics ($50,000). The GCNS and the Department of Pediatrics will split (50:50) the incentive funds and salary reimbursement. Assignment of the distribution of effort and performance evaluations will be made by the Center Director, in consultation with the Department of Pediatrics. Space will be provided in close proximity to the GCNS, and startup funding will need to be identified for this recruitment.

2. Junior Faculty in Obesity

The faculty member in this position will hold a primary appointment in the GCNS at the rank of Assistant Professor in the Regular Title Series. The funding for this position will begin on July 1, 2008. Assignment of the distribution of effort and performance evaluations will be made by the Center Director. The salary ($80,000; 12 month appointment) and benefits for this position will be provided by the COM. Space and startup funding will need to be identified for this recruitment.

3. Junior Faculty in Obesity/Diabetes

The faculty member in this position will hold a faculty appointment in the GCNS at the rank of Assistant Professor in the Regular Title Series. The funding for this position will begin on July 1, 2009. Recruitment of a physician scientist with a research program in the area of obesity and/or diabetes is preferred. The salary ($100,000; 12 month appointment) and benefits for this position will be provided by funds ($50,000) to the GCNS from the COM, and from the Department of Internal Medicine ($50,000). The GCNS and the Department of Internal Medicine will split (50:50) the incentive funds and salary reimbursement. If a physician scientist with clinical responsibilities is recruited into the position, then assignment of the distribution of effort and performance evaluations will be made by the Division Chief of Endocrinology and the Department of Internal Medicine, in consultation with the Center Director. If a basic scientist is recruited into the position, then assignments of distribution of effort and performance evaluations will be made by the Center Director, in consultation with the Department of Internal Medicine. Space will be provided in close proximity to the GCNS, and startup funding will need to be identified for this recruitment.

4. Associate Director, GCNS

The faculty member in this position will hold a primary appointment in the

GCNS at the rank of Associate or full Professor in the Regular Title Series. The funding for this position will begin on July 1, 2009, or after the retirement of the current Associate Director cost-shared between the GCNS and the COA. The salary ($80,000; 12 month appointment) and benefits for this position will be provided by the COM and the COA. Cost-sharing of the faculty salary between the GCNS and the COA will be 51% GCNS, 49% COA. The GCNS and the COA will split incentive funds and salary reimbursement (51% GCNS, 49% COA). Space and startup funding will need to be identified for this recruitment.

5. Replacement of COA Core Faculty upon retirements

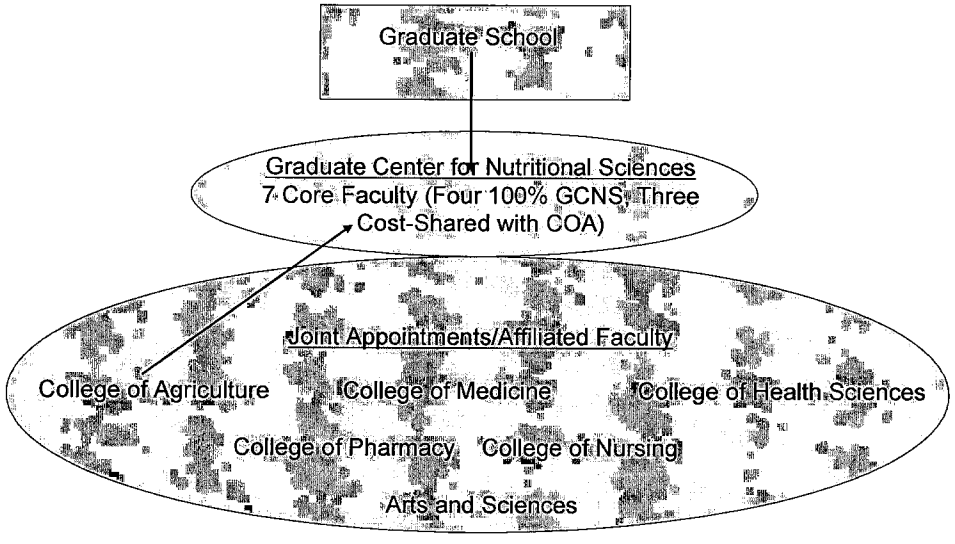
Upon retirement of existing faculty cost-shared between the GCNS and the COA, the COA will continue to share two additional faculty that are designated as Core Faculty in the GCNS (see MOU between the COM and COA regarding the GCNS). The areas of specialty will be negotiated between the GCNS and the COA. These faculty will have full status as Core Faculty, and have access to GCNS core research facilities located to the 5th floor. Location of the research programs of these faculty will be negotiated between the COA, GCNS and COM. Startup funding will need to be identified for these recruitments.

4. **Structure of the GCNS**

4a. Within the College of Medicine:

A. Current structure of the GCNS: The GCNS currently reports administratively to the Dean of the Graduate School (Figure 1). The GCNS consists of 7 Core Faculty, of whom three are 100% supported from the Graduate School, with four faculty cost shared with the College of Agriculture (see spreadsheet "a", #5). Faculty associate with the Center either as a joint appointee, or as affiliated faculty (members of the graduate faculty of the Center).

Current Organizational Structure of the Graduate Center For Nutritional Sciences



B. Proposed Structure of the GCNS within the COM: Under the proposed structure (Figure 2), the GCNS will remain as a multi-disciplinary Graduate Center and will exist as a Basic Science Department within the COM. The GCNS will function similar to other Basic Science Departments in the COM, while maintaining its multidisciplinary mission as a Graduate Center.

Proposed Structure of the Graduate Center for Nutritional Sciences
Within the College of Medicine (COM)

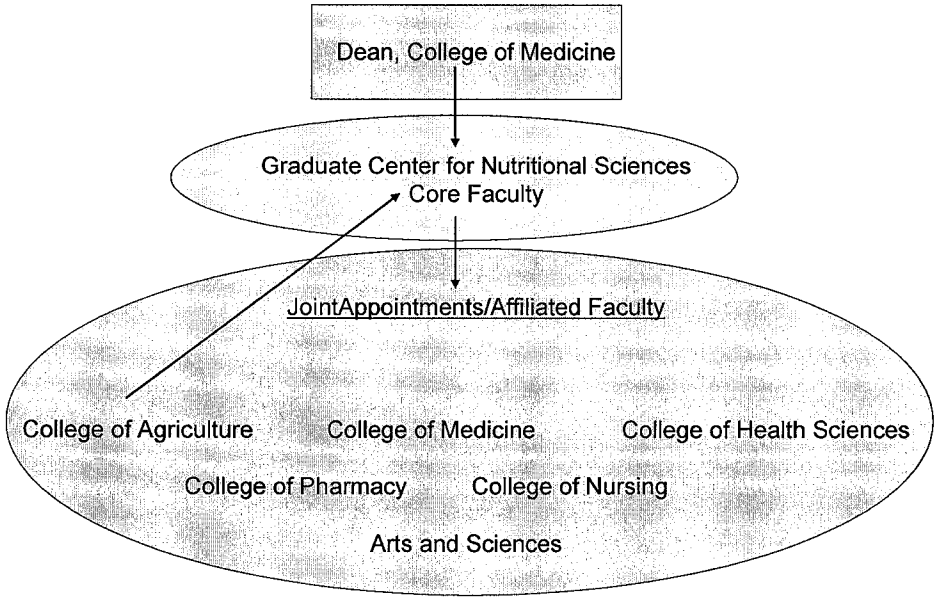


Figure 2. Proposed structure of the GCNS as a basic science Department within the COM.

C. Relationship of the GCNS to other basic science Departments: The GCNS will become a basic science Department within the COM, reporting to the Dean of the COM (Figure 3). Doctoral graduate students that perform research with faculty advisors of the Center from the COM will matriculate through the IBS program. In addition, the GCNS will recruit doctoral graduate students independently of IBS for those students whose faculty advisor is an affiliated faculty member outside of the COM. The GCNS will continue the masters program in nutritional sciences.

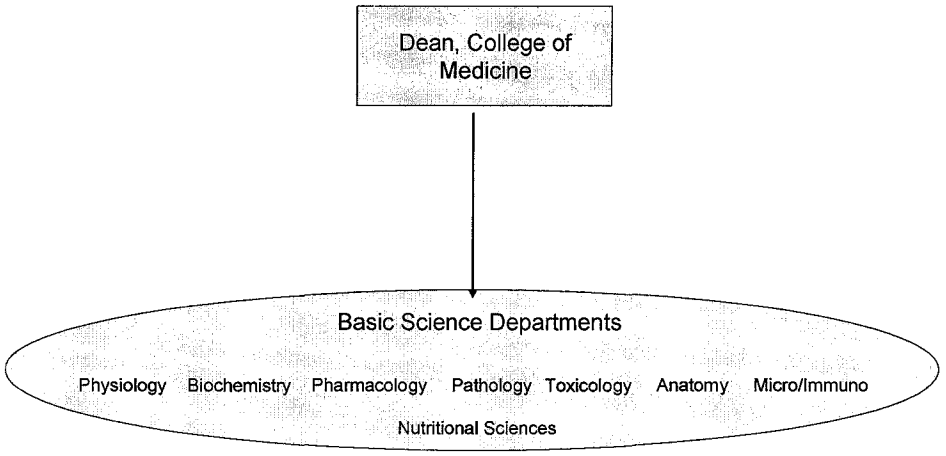


Figure 3. Relationship of the GCNS to other basic science Departments.

4b. Within the GCNS

The GCNS remains committed to continuing our multidisciplinary educational and research interactions with all participating faculty of the Center. The GCNS also remains committed to the master's and doctoral graduate training programs in Nutritional Sciences.

To maintain the multidisciplinary nature of the Center, and to facilitate the continued participation with faculty of the GCNS that are instrumental in all aspects of the graduate programs of the GCNS, the following structure within the GCNS is proposed (Figure 1):

1. Director of the GCNS (Chair).

2. Associate Director of the GCNS (a COA faculty member that has a primary appointment in the Center).

3. Director of Graduate Studies (DGS): Oversees all aspects of the graduate programs, assumes primary responsibility for all graduate programs, serves as Chair of the Graduate Program Committee.

4. Coordinator of Masters Studies in Nutritional Sciences: Oversees masters programs, reports to the DGS, serves as Chair of the sub-committee of the Curriculum Committee focused on the masters program. Interfaces with Center faculty whom are members of other units (NFS, CNU, Clinical Departments in the COM, College of Nursing) that contribute to masters education in nutritional sciences.

5. Executive Committee: Advises the Director to maintain multi-disciplinary aspects of the Center.

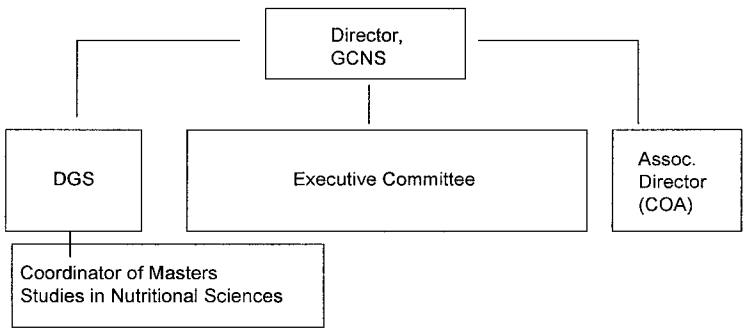


Figure 1.

We propose the following standing committees of the GCNS (Figure 2):

1. Executive Committee: Advise the Director in relation to the graduate program, and in maintaining the multi-disciplinary aspects of the programs of the Center.

2. Curriculum Committee: Chaired by the Associate Director of the GCNS. Oversees the curriculum of the masters and doctoral programs. Coordinates with the IBS curriculum committee.
   b. Sub-curriculum committee: Chaired by the Coordinator of the Masters Program in Nutritional Sciences. Oversees the curriculum of the masters program, interfaces with other educational units participating in masters program (CNU, NFS, Clinical Departments in COM), reports to the Curriculum Committee.

3. Graduate Program Committee: Chaired by the DGS. Members include Coordinator of Masters Program in Nutritional Sciences, Core Faculty, Center Faculty. Administers graduate admissions, recruitment, matriculation through the masters and doctoral programs, adhering to all requirements of the Graduate School, liaison to IBS Graduate Program Committee.

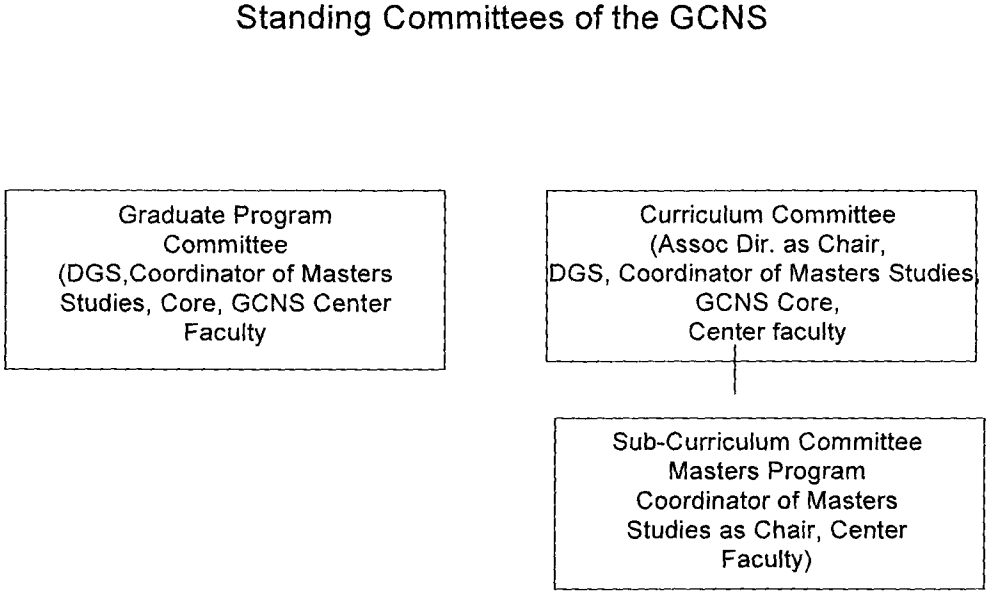


Figure 2.

4c. Educational Structure of the GCNS:

A. Masters Program: The Masters Program in the GCNS will relocate with the Center to the College of Medicine. The Masters Program is a multidisciplinary effort through collaboration of faculty from various Colleges and Departments, including faculty from the GCNS, Clinical Nutrition (College of Health Sciences), Nutrition and Food Science (College of Agriculture), College of Nursing, College of Medicine and the Dietetics Intern Program within the hospital. The primary oversight for administration and implementation of the Masters Program through the Coordinator of Masters Studies (see 4b and memo to Masters Coordinator in Supporting Documents) will not change with relocation of the GCNS to the College of Medicine. As such, the Coordinator of Masters Studies will oversee a sub-committee of the Curriculum Committee focused on the Masters Program, will serve on the Executive and Graduate Program Committee, and will liaison between the GCNS and all participants in masters education, including a potentially expanded base of faculty within the COM participating in masters education in nutritional sciences. The GCNS remains committed to this multidisciplinary effort in masters education, and will work with all participating units to continue to implement masters education in nutritional sciences.

B. Doctoral Program: The Doctoral Program in the GCNS will relocate with the Center to the College of Medicine. The programmatic changes are described in parallel documents.

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April 16, 2007

Lisa Cassis, PhD
Director
Graduate Center for Nutritional Sciences
University of Kentucky

RE: Graduate Center for Nutritional Sciences consultation with Integrated Biomedical Sciences

Dear Lisa:

We are pleased to provide confirmation of consultation between the Graduate Center for Nutritional Sciences (GCNS) and the Integrated Biomedical Sciences Curriculum (IBS) as part of the process to relocate the GCNS to the College of Medicine as a basic science department. As you are aware, IBS is the first-year curriculum for the current six doctoral programs in the College of Medicine, and as such, it falls under the authority of those departments. Therefore, consultation with IBS is, in fact, a consultation with the basic science chairs who oversee IBS.

The GCNS, as a broad-based interdisciplinary graduate program similar to the Graduate Center for Toxicology, will retain the right to recruit graduate students directly into the Nutritional Sciences doctoral program, as does GCT. In addition, GCNS core faculty and faculty in with primary or joint appointments in other basic science departments who also hold joint appointments and/or affiliations to GCNS will be eligible to recruit IBS students into their research programs and the Nutritional Sciences doctoral program.

GCNS will be represented on IBS standing committees: IBS Admissions Committee (1 representative); IBS Academic Committee (director of graduate studies for Nutritional Sciences); and the IBS Curriculum Committee (DGSs and course directors). GCNS will be expected to contribute to covering lecture assignments in the IBS core courses, based on expertise and availability. The IBS teaching load of the GCNS will be proportional to the number of GCNS faculty participating in IBS. In addition, as a member of the basic science chairs, the GCNS chair/director will be involved in all discussions and decisions related to development and/or changes to IBS policies and procedures, including policies governing membership.

We look forward to welcoming the GCNS into the College of Medicine and to your participation in the Integrated Biomedical Sciences.

Sincerely,

Louis Hersh, Ph.D
Senior Associate Dean
for Basic Science Affairs

Alan Kaplan, Ph.D.
Chair
Basic Science Chairs

Jane S. Harrison, Ph.D.
Director
Integrated Biomedical Sciences

2007 Proposed GCNS Ph.D. Curriculum

2/13/07

Academic Course Prerequisites to Program:

Biology (2 semesters)
General Chemistry (2 semesters)
Organic Chemistry (1 semester)
Undergraduate Biochemistry and Physiology highly recommended
For students who have no previous nutrition background, NFS 510 or equivalent during the first year

Core Courses:

NS 601	Macronutrient Metabolism	4 credits
NS 602	Micronutrient Metabolism **(4 to 3 credits)**	3 credits
NS 701	Nutrition and Chronic Diseases	4 credits
NS 771	Graduate Seminar in Nutritional Sciences	1 credit*
NS 704	Current Topics in Nutrition	1 credit
NS 609	Ethics in Clinical Research	1 credit
or TOX 600	or Ethics in Scientific Research	
STA 570	Basic Statistical Analysis	4 credits
IBS 601/BCH 607	Biomolecules & Metabolism	3 credits
or CHE 550	or Biological Chemistry I	3 credits
IBS 602/BCH 608	Biomolecules & Molecular Biology	3 credits
or CHE 552	or Biological Chemistry II	3 credits
IBS 603	Cell Biology	3 credits
IBS 606	Integrated Medical Sciences	4 credits
or PGY 502	or Principles of Systems, Cellular and Molecular Physiology	5 credits
	Total	**31 - 32 credits**

*All Ph.D. students must register for 0 credit and attend all GCNS seminars during their residency at the University of Kentucky. Minimum of 1 credit is required before qualifying examination. In addition, all GCNS doctoral candidates will present a seminar once/year post-qualifying exam.

Electives The student must successfully complete a minimum of 6 credit hours in electives besides NS 790. Elective courses are recommended by the Advisor and approved by the Advisory Committee.

Suggested courses are listed below:

IBS 604	Cell Signaling	3 credits
IBS 605	Experimental Genetics	2 credits
IBS 607	Seminar in Integrated Biomedical Sciences	0 credit
IBS 609	Research in Integrated Biomedical Sciences	1 credit
NS/NFS 607	Food-Related Behaviors	3 credits
NS/NFS 640	Human Nutrition: Assessment **(3 to 2 credits)**	2 credits
NS/CNU 606	Molecular Biology Applications in Nutrition	2 credits
NS 790	Research in Nutritional Sciences (before qualifying exam)	1-6 credits

CNU	501	Nutraceuticals and Functional Foods in Health and Disease Prevention	2 credits
CNU/NS	604	Lipid Metabolism	3 credits
CNU/NS	608	Nutritional Immunology	3 credits
CNU/NS	605	Wellness and Sports Nutrition	3 credits
CNU/NS	702	Problem-Based Case Studies	1-5 credits
ASC	681	Energy Metabolism	3 credits
ASC	683	Protein metabolism	3 credits
ASC	689	Physiology of Nutrient Digestion/Absorption	3 credits
ASC	684	Advanced Ruminent Nutrition	3 credits
ASC	686	Advanced Non-ruminant Nutrition	3 credits
FSC	638	Food Proteins	3 credits
FSC	640	Food Lipids	3 credits
FSC	434G	Food Chemistry	4 credits
BCH	610	Biochemistry of Lipids and Membranes	3 credits
BCH/BIO/MI	615	Molecular Biology	3 credits
CPH 605/PM	620	Epidemiology	3 credits
CPH	645	Food Systems, Malnutrition and Public Health	3 credits
EDP	661	Counseling Techniques II	3 credits
GS	610	College Teaching	3 credits
KHP	420G	Physiology of Exercise	3 credits
KHP	621	Advanced Exercise Physiology	3 credits
KHP	621	Exercise and Coronary Heart Disease	3 credits
KHP	720	Sport Medicine	3 credits
KHP	781	Theory and Methodology of Body Composition Assessment	3 credits
MI	685	Advanced Immunology	3 credits
MI	710	Molecular Cell Biology	3 credits
PGY	604	Advanced Cardiovascular Physiology	3 credits
PGY	607	Hormonal Control Mechanisms	3 credits

Residency Requirement

NS	769	Residency Credit in Nutritional Sciences (post-qualifying exam)	2 hr/semester

Total minimum credits 37, electives recommended by the student's major advisor and approved by the student's Advisory Committee

Examples of Ph.D. Curricula

A. Ph.D. students recruited from IBS Program

First Year in IBS Program

Fall Semester

IBS 601	Biomolecules & Metabolism	3 credits
IBS 603	Cell Biology	3 credits
IBS 605	Experimental Genetics	2 credits
IBS 607	Seminar in Integrated Biomedical Sciences	0 credit
IBS 609	Research in Integrated Biomedical Sciences	1 credit
		9

Spring Semester

IBS 602	Biomolecules & Molecular Biology	3 credits
IBS 604	Cell Signaling	3 credits
IBS 606	Integrated Medical Sciences	4 credits
		10

Second Year (First Year in Nutritional Sciences)

Fall Semeter

NS 601	Macronutrient Metabolism	4 credits
STA 570	Basic Statistical Analysis	4 credits
NS 771	Graduate Seminar in Nutritional Sciences	1 credit
*NFS 510	Advanced Nutrition	3 credits
		9 or 12

Spring Semester

NS 602	Micronutrient Metabolism **(4 to 3 credits)**	3 credits
NS 701	Nutrition and Chronic Diseases	4 credits
NS 704	Current Topics in Nutrition	1 credit
NS 609	Ethics in Clinical Research	1 credit
NS 771	Graduate Seminar in Nutritional Sciences	1 credit
		10

*NS 510: For students who have no previous nutrition background.

B. Ph. D. students directly recruited into Nutritional Sciences Program

First Year

Fall Semester

BCH 607	Biomolecules & Metabolism	3 credits
or CHE 550	or Biological Chemistry I	3 credits
IBS 603	Cell Biology	3 credits
NS 609	Ethics in Clinical Research	1 credit
NS 771	Graduate Seminar in Nutritional Sciences	0 credit
Elective		2 credits
*NFS 510	Advanced Nutrition	3 credits
		9 or 12

Spring Semester

BCH 608	Biomolecules & Molecular Biology	3 credits
IBS 606	Integrated Medical Sciences	4 credits
NS 771	Graduate Seminar in Nutritional Sciences	0 credit
STA 570	Basic Statistical Analysis	4 credits
		11

Second Year

Fall Semester

NS 601	Macronutrient Metabolism	4 credits
NS 771	Graduate Seminar in Nutritional Sciences	1 credit
Electives		4 credits
		9

Spring Semester

NS 602	Micronutrient Metabolism **(4 to 3 credits)**	3 credits
NS 701	Nutrition and Chronic Diseases	4 credits
NS 771	Graduate Seminar in Nutritional Sciences	1 credit
NS 704	Current Topics in Nutrition	1 credit
		9

*NS 510: For students who have no previous nutrition background.