

**BOARD OF GOVERNORS
STATE UNIVERSITY SYSTEM OF FLORIDA
NEW DOCTORAL DEGREE PROPOSAL STAFF ANALYSIS**

Program: Ph.D. in Nutritional Sciences
Institution: University of Florida
Staffed By: Carole Hayes

CIP Code: 30.1901
Proposed Implementation Date: Fall 2009
Initial Review Date: 10/10/07 **Last Update:** 4/22/09

Estimated Costs:

	Total	% & \$ Current Reallocated	% & \$ New Recurring	% & \$ New Non- Recurring	% & \$ C&G	Cost per FTE	SUS 07-08 Average Cost per FTE
Year 1	\$494,247	73% \$362,247	0% \$0	0% \$0	27% \$132,000	\$32,200	\$31,625 30 CIP*
Year 5	\$680,022	61% \$416,022	0% \$0	0% \$0	39% \$264,000	\$23,112	

* 30 CIP is Multi/Interdisciplinary Studies and is subject to variation in the type of programs offered.

Projected FTE and Headcount are:

	Student Headcount	Student FTE
First Year	15	11.25
Second Year	17	12.75
Third Year	19	14.25
Fourth Year	22	16.5
Fifth Year	24	18

On March 29, 2007, the Florida Board of Governors approved BOG Regulation 8.011, which sets forth criteria for implementation and authorization of new doctorates by the Board of Governors, as well as criteria for implementation and authorization of Bachelor's, Master's and Specialist degrees by Boards of Trustees. The following staff analysis is an assessment of how well the university meets BOG Accountability and Readiness criteria for implementation of this degree program.

Proposal Page Numbers:

INTRODUCTION		ACCOUNTABILITY		READINESS				
Program Description	System Analysis	Overall	Budget	Mission and Strength	Program Quality	Curriculum	Faculty	Resources
1	2	3	5	8	10	10	16	18

A. Program Description:

Nutritional Sciences currently exists as a concentration of the Ph.D. in Food Science and Human Nutrition (FSHN) within the UF College of Agricultural and Life Sciences. The FSHN doctoral program was established in 1979, and separate concentrations in Nutritional Sciences and Food Science were established in 1993. The field of nutritional science examines links between diet and health, and the impact of one's individual genetic makeup on nutrient utilization.

The proposed interdisciplinary program includes faculty from the College of Agricultural and Life Sciences, the College of Medicine, the College of Liberal Arts and Sciences, and the College of Veterinary Medicine. The interdisciplinary approach provides a broader base of faculty expertise for student mentoring and research opportunities.

The program will require 90 credits of coursework beyond the bachelor's degree or 60 credits of coursework beyond the master's degree. The curriculum includes coursework in basic nutritional sciences, biochemistry, molecular biology, genetics, immunology, physiology, and biostatistics. No tracks or specializations will be immediately available.

B. System-Level Analysis and Evaluation in accordance with BOG Regulation 8.011:

This proposal states that the Ph.D. in Nutritional Sciences adheres to the State University System (SUS) strategic plan by providing access to and production of degrees, meeting statewide professional and workforce needs, building world-class academic programs and research capacity, meeting community needs and fulfilling unique institutional responsibilities.

With regard to need and demand, the proposal states that graduates of this program are prepared for careers in biotechnology and academia. These are high demand professions in Florida as reported by the Agency for Workforce Innovation. If implemented, this program would be unique within the SUS, and the University of Florida would be one of a few elite institutions in the country to offer this multidisciplinary doctorate. The span of departments and tenured, externally funded faculty compares favorably with Cornell, UC Berkeley, and other U.S. research institutions.

UF's institutional strengths include an existing collaboration among food science, agriculture, veterinary medicine, medicine, and public health departments and a recent history of graduating 21 PhDs in the Food Science and Human Nutrition program in the College of Agricultural and Life Sciences. There is no requirement for additional faculty, classroom, or laboratory facilities.

The proposal anticipates that a wide array of external funding opportunities will be available because of the breadth of faculty expertise which will exist in this interdisciplinary program. A significant portion of the projected budget is contract and grant funding that will be used to provide assistantships and fellowships to students. The creation of more opportunities for research and funding can result in greater recruitment of Ph.D. students and greater production of graduates who will serve needs related to linkages between nutrition, genetics, and disease in

individual, commercial, and social environments.

C. Assessment of the University Review Process in accordance with BOG Regulation 8.011:

Due to the system of stair step accountability set in place by the Board of Governors in Regulation 8.011, it is now incumbent upon University Board of Trustees to verify that all doctoral programs coming before the Board of Governors have met the requirements of the regulation. The following is an assessment of the university review process to ensure that all criteria set forth have been considered by the university prior to submission to the Board of Governors office.

ACCOUNTABILITY

Check 'yes' or 'no' box, and make comments beneath criterion as appropriate.

1. Overall - *The proposal is in the correct format, includes all necessary signatures, and contains complete and accurate tables for enrollment projections, faculty effort, and the proposed budget.*

YES NO

- The proposal has been approved by the university board of trustees and includes all required signatures.** Reviewed in 2007 by UBOT.
- The university has provided a proposal written in the standard SUS format which addresses new academic program approval criteria outlined in BOG Regulation 8.011.**
- The university has provided complete and accurate projected enrollment, faculty effort, and budget tables that are in alignment with each other.** Faculty FTE devoted to program in the fifth year does not add up.
- The university has included a statement in the proposal signed by the equity officer as to how this proposal will meet the goals of the university's equity accountability plan.**

2. Budget - *The proposal presents a complete and realistic budget for the program consistent with university and BOG policy, and shows that any redirection of funding will not have an unjustified negative impact on other needed programs.*

YES NO

- The University Board of Trustees has approved the most recent budget for this proposal.** There is no indication that the changes in the resubmission have been reviewed by the UBOT.

- The university has reviewed the budget for the program to ensure that it is complete and reasonable, and the budget appears in alignment with expenditures by similar programs at other SUS institutions.
- In the event that resources within the institution are redirected to support the new program, the university has identified this redirection and determined that it will not have a negative impact on undergraduate education, or the university has provided a reasonable explanation for any impact of this redirection.

READINESS

Check 'yes' or 'no' box, and make comments beneath criterion as appropriate.

3. Program Quality – The proposal provides evidence that the university planning activities have been sufficient and responses to any recommendations to program reviews or accreditation activities in the discipline pertinent to the proposed program have been addressed.

YES NO

- The university has followed a collaborative planning process for the proposed program in accordance with policies and procedures adopted by the University Board of Trustees.
- An external consultant has reviewed the proposal and supports the department's capability of successfully implementing this new program.
- The university has found the level of progress that the department has made in implementing the recommendations from program reviews or accreditation activities in the discipline pertinent to the proposed program to be satisfactory.
- The university has analyzed the feasibility of providing all or a portion of the proposed program through distance learning.
- If necessary, the university has made allowances for licensure and legislative approval to be obtained in a timely manner.

4. Curriculum - The proposal provides evidence that the university has evaluated the proposed curriculum and found that it describes an appropriate and sequenced course of study, and that the university has evaluated the appropriateness of specialized accreditation for the program.

YES NO

- The university has reviewed the curriculum and found that the course of study presented is appropriate to meet specific learning outcomes and industry driven competencies discussed in the proposal.**
- The university anticipates seeking accreditation for the proposed doctoral program, or provides a reasonable explanation as to why accreditation is not being sought.**

5. Faculty – The proposal provides evidence that the university is prepared to ensure a critical mass of faculty will be available to initiate the program based on estimated enrollments, and that faculty in the aggregate have the necessary experience and research activity to sustain a doctoral program.

YES NO

- The university has reviewed the evidence provided and found that there is a critical mass of faculty available to initiate the program based on estimated enrollments.**
- The university has reviewed the evidence provided and found that the faculty in aggregate has the necessary experience and research activity to sustain the program.**
- The university has reviewed the evidence provided and found the academic unit(s) associated with this new degree to be productive in teaching, research, and service.**
- If appropriate, the university has committed to hiring additional faculty in later years, based on estimated enrollments.**

6. Resources – *The proposal provides evidence that the university has ensured the available library volumes and serials; classroom, teaching laboratory, research laboratory, office space, equipment, clinical and internship sites, fellowships, scholarships, and graduate assistantships will be sufficient to initiate the program, and that if applicable, funding has been secured to make more resources available as students proceed through the program..*

YES NO

- The university has provided a signed statement from the Library Director verifying that the library volumes and serials available are sufficient to initiate the program.**
- The university has ensured that the physical space necessary for the proposed program, including classrooms, laboratories and office space, is sufficient to initiate the program.**
- The university has ensured that necessary equipment is available to initiate the program.**
- The university has ensured that fellowships, scholarships, and graduate assistantships are sufficient to initiate the program.**
- If applicable, the university has ensured that the department has arranged a suitable number of clinical and internship sites.**