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Submission Date: \_\_\_\_\_  
Action-Date: \_\_\_\_\_



UWUCC USE Only  
Number: 99-436  
Submission Date: \_\_\_\_\_  
Action-Date: \_\_\_\_\_

*App 4/18/00*  
*Senate App 5/2/00*

**CURRICULUM PROPOSAL COVER SHEET**  
University-Wide Undergraduate Curriculum Committee

**I. CONTACT**

Contact Person Dr. Joanne B. Steiner Phone 7-4440  
Department Food and Nutrition

**II. PROPOSAL TYPE (Check All Appropriate Lines)**

\_\_\_\_\_ **COURSE** \_\_\_\_\_  
Suggested 20 character title

\_\_\_\_\_ **New Course\*** \_\_\_\_\_  
Course Number and Full Title

\_\_\_\_\_ **Course Revision** \_\_\_\_\_  
Course Number and Full Title

\_\_\_\_\_ **Liberal Studies Approval +** \_\_\_\_\_  
for new or existing course Course Number and Full Title

\_\_\_\_\_ **Course Deletion** \_\_\_\_\_  
Course Number and Full Title

\_\_\_\_\_ **Number and/or Title Change** \_\_\_\_\_  
Old Number and/or Full Old Title  
\_\_\_\_\_ New Number and/or Full New Title

\_\_\_\_\_ **Course or Catalog Description Change** \_\_\_\_\_  
Course Number and Full Title

**PROGRAM:**  Major  Minor  Track

\_\_\_\_\_ **New Program\*** \_\_\_\_\_  
Program Name

**Program Revision\*** BS in Dietetics  
Program Name

\_\_\_\_\_ **Program Deletion\*** \_\_\_\_\_  
Program Name

**Title Change** BS in Dietetics  
Old Program Name  
BS in Nutrition  
New Program Name

**III. Approvals (signatures and date)**

Joanne B. Steiner 4/30/99 Department Curriculum Committee  
Joanne B. Steiner 4/30/99 Department Chair  
Mary E. Sunkin 5/12/99 College Curriculum Committee  
Charles P. Zori 12 May 99 College Dean

+ Director of Liberal Studies (where applicable) \*Provost (where applicable)

## **Department of Food and Nutrition: Program Revision**

### **Part II. Description of Curriculum Change**

#### **Catalog Description for Proposed Program Revision**

##### **Department of Food and Nutrition**

The Food and Nutrition Department offers a degree program in nutrition with two tracks, dietetics and general nutrition. Within the degree program, the student will also select a natural science option dependent upon their academic preparation and career goals. This curriculum prepares students as professionals for a diversity of career opportunities in health care, food service, the food industry, and food and nutrition research.

In addition, the department provides Liberal Studies courses which are available to all university students. These include FDNT 143, an option in the university's Liberal Studies requirements for Health and Wellness; FDNT 145, a Liberal Studies elective; and LBST 499 Food and Culture, a synthesis course.

##### **Dietetics**

Students who complete the Dietetics Track (Didactic Program in Dietetics, DPD) meet the academic requirements as approved by The Commission on Accreditation for Dietetics Education of the American Dietetic Association. This track will prepare an individual to serve as a translator of food and nutrition science information for members of the larger community with respect to healthful food preparation, healthy eating behaviors, medical nutrition therapy, management of nutrition delivery and food service systems, and advocacy for the profession of dietetics. The individual who completes this program will exhibit an in-depth knowledge of food, nutrition, behavioral sciences, and management theory. The student will also be able to apply this knowledge to solve problems.

##### **Nutrition**

The Nutrition Track will allow the student to plan a curriculum based upon career goals other than becoming a registered dietitian with The American Dietetic Association. Career opportunities for these students include public health, food service administration, culinary arts, journalism, communications, business, and gerontology.

Students who wish to pursue preparation for master's level education in food and nutrition research, with the selection of the Natural Science Option II plus the nutrition track would acquire a background in the basic sciences that gives a solid foundation for theoretical and applied food science and nutrition. These options meet the needs of students who wish to enter careers in food/nutrition which require a graduate education.

##### **Nutrition Minor**

This minor sequence is recommended for students majoring in the related health disciplines such as child development, family and consumer sciences education, nursing and allied health, food service management, and health and physical education. Students electing a minor in nutrition must complete 15 semester hours of coursework from the courses listed in the requirements for the minor. Students must note that the completion of this minor neither meets the requirements for practice as a credentialed nutritionist nor satisfies the academic requirements of the Commission on Registration for The American Dietetic Association as a registered dietitian. For additional information about these careers, contact the Food and Nutrition Department.

**Bachelor of Science – Nutrition/Dietetics Track (Didactic Program in Dietetics, DPD)****Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 54**Health and Wellness:** HPED143**Mathematics:** MATH217**Natural Science:** CHEM101/102 or CHEM111/112**Social Science:** ECON101 or ECON 121, PSYC101, SOC151**Liberal Studies Electives:** COSC/IFMG/BEDU101, HMEC218 or PSYC310, no courses with FDNT Prefix**Major:** 25**Required Courses:**

FDNT110	Careers in Food and Nutrition	1sh
FDNT150	Foods	3sh
FDNT151	Foods Laboratory	1sh
FDNT212	Nutrition	3sh
FDNT213	Life Cycle Nutrition	3sh
FDNT355	Nutrition in Disease I	3sh
FDNT362	Experimental Foods	3sh
FDNT458	Advanced Human Nutrition	4sh
FDNT470	Human Food Consumption Patterns	3sh
FDNT484	Senior Seminar	1sh

**Track Courses** 28

FDNT364	Methods of Teaching	3sh
FDNT402	Community Nutrition	3sh
FDNT430	Professional Topics in Food and Nutrition	3sh
FDNT455	Nutrition in Disease II	3sh
FDNT463	Nutrition Counseling	3sh
HRIM259	Hospitality Purchasing	3sh
HRIM313	Food Systems I	4sh
HRIM356	Human Resources in the Hospitality Industry	3sh
MGMT310	Principles of Management	3sh

**Natural Science Sequence:** One option required**Natural Science Option 1** 13

CHEM255, BIOL105, BIOL155, BIOL232

**Natural Science Option II** 21

CHEM231, CHEM351, BIOL105, BIOL150, BIOL151, BIOL 232

**Free Electives:** 0-4**Total Degree Requirements:** 124-128**Bachelor of Science – Nutrition /Nutrition Track (non-DPD)****Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 54**Health and Wellness:** HPED143**Mathematics:** MATH217**Natural Science:** CHEM101/102 or CHEM111/112**Social Science:** ECON101 or ECON121, PSYC101, SOC151**Liberal Studies Electives<sup>1</sup>:** COSC/IFMG/BEDU101, HMEC218 or PSYC310, no courses with FDNT Prefix

**Major:** 25  
**Required Courses:**

FDNT110	Careers in Food and Nutrition	1sh
FDNT150	Foods	3sh
FDNT151	Foods Laboratory	1sh
FDNT212	Nutrition	3sh
FDNT213	Life Cycle Nutrition	3sh
FDNT355	Nutrition in Disease I	3sh
FDNT362	Experimental Foods	3sh
FDNT458	Advanced Human Nutrition	4sh
FDNT470	Human Food Consumption Patterns	3sh
FDNT484	Senior Seminar	1sh

**Track Courses** 10-28  
 FDNT electives 6sh  
 (300 level and above, internship of 3sh strongly recommended)

Program minor, Certificate, Second major, or  
 Core Concentration required for program completion<sup>2</sup> 4-22sh

**Natural Science Sequence: One option required**  
**Natural Science Option 1** 13  
 CHEM255, BIOL105, BIOL155, BIOL232  
**Natural Science Option II** 21  
 CHEM231, CHEM351, BIOL105, BIOL150, BIOL151, BIOL 232  
**Free Electives:** 0-22

**Total Degree Requirements:** 124-128

<sup>1</sup> For the Gerontology Certificate PHIL405 or PHIL400 or PSYC 378 can be applied as a Liberal Studies Elective. For the Business Administration minor, ECON122 can be applied as a Liberal Studies Elective.

<sup>2</sup> Select from list (see catalog for requirements): Business Administration, Chemistry, Communications Media, Culinary Arts, Educational Technology, Gerontology, Journalism, Natural Sciences, Psychology, and Psychology Science OR Hotel Restaurant and Institutions Management (FDNT150, FDNT151, HRIM101, HRIM259, HRIM306, HRIM313, HRIM356, HRIM401, HRIM 3 credit elective), OR Physical Education and Sport (HPED319, HPED410, HPED411, HPED481:American College of Sports Medicine, Health Fitness Instructors Workshop, and HPED343 or HPED375 or HPED412)

<b>Minor-Nutrition</b>		<b>15</b>
FDNT212	Nutrition	3sh
FDNT213	Life Cycle Nutrition	3sh
FDNT245	Sports Nutrition	3sh <sup>1</sup>
FDNT355	Nutrition in Disease I	3sh
FDNT470	Human Food Consumption Patterns or	3sh
FDNT402	Community Nutrition	3sh
(1) Students not interested in FDNT245 could select both FDNT402 and FDNT470 in place of FDNT245		

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#### Summary of changes:

The intent of this proposal is to revise the BS in Dietetics to provide a program with similar requirements as the deleted BS in Food and Nutrition Science plus additional program choices within the degree. The revised program will be re-titled, BS in Nutrition, with two science options and two major tracks as program choices. The total semester hours required for graduation will remain the same as the current program for students selecting science option I (124 sh). Students selecting science option II would need to complete 128 sh.

See Table comparing old program to revised program, page 8.  
Revision of FDNT 458 Advanced Human Nutrition from 3sh to 4sh has been submitted for curriculum revision.

#### Rationale for one program with two tracks, Dietetics or Nutrition

Of the 35-38 students graduating each year from the current Dietetics Program, 50% continue in a post baccalaureate dietetic internship within a three-year period. The remaining students either do not desire to become registered dietitians or are less competitive in obtaining a dietetic internship. Choosing either of the proposed program tracks will enable all students to develop academic strengths in related fields to enhance their employment opportunities.

Within the Nutrition Track, the selected list of minors, certificates, or core concentrations are based upon documentation provided by the department's advisory board, and employment trend data as projected for the next decade. With the declining trend for positions in traditional healthcare facilities and the emergence of non-traditional employment opportunities in school food service, culinary arts, wellness programs, nutrition education and technology, aging services, and private practice, this proposed track will provide a flexible curriculum that addresses student interests and employment opportunities.

#### Rationale for two natural science options

Depending upon a student's career path about 10% of the graduating BS in Dietetic students desire to complete a more rigorous science background and/or desire to complete a minor in the natural sciences. Either science option will satisfy the minimum knowledge requirements as established for accreditation and allow the student the opportunity to strengthen their science education.

The natural science option II provides for the student who desires to complete entrance requirements for graduate education in food and nutrition science. Option II also provides a similar science sequence as the deleted BS in Food and Nutrition Science.

### **Rationale for deletion of HR 408 Institutions Management from the Dietetic Track with substitution of MG 310**

The HRIM Department is no longer offering HRIM 408 Institutions Management. Currently a special topics course HRIM 481 : Advanced Operations Management is in the second offering as a potential replacement. In a review of the curriculum needs as established by The Commission on Accreditation for Dietetic Education, the dietetics major must acquire a competency in basic management theory. We are substituting MGMT310 as a course that would fulfill this requirement.

### **Description**

All undergraduate students in Food and Nutrition will be admitted into one degree program in nutrition. During the first semester, the student will be enrolled in FDNT110 Careers in Food and Nutrition. Upon the completion of this course and with academic advising, students will be able to develop career goals that will include an analysis of their interests, strengths and perceived career path. With this in place, the student majoring in nutrition will have the choice of selecting one of the two natural science options.

Upon successful completion of a basic core of nutrition courses (22sh) required of all students in the program, the student will select either the Dietetics Track (a curriculum approved by The Commission of Accreditation of Dietetics Education by the American Dietetic Association) or the Nutrition Track designed to provide the opportunity to establish academic strengths in related areas.

Students completing the Nutrition Track would select enhanced preparation in food service systems and administration, fitness counseling, culinary arts, public health, communications, journalism or gerontology, but would not be eligible for enrollment in a post baccalaureate dietetic internship. Students who select the Natural Science Option II with the nutrition track would receive similar academic preparation as in the deleted FNS program and could continue in Food and Nutrition Science at the graduate level.

### **Part III. Implementation of the Proposed Program**

How will the new tracks affect students already in the existing program?

This change would increase the opportunity for more flexibility in curriculum selection.

How will the proposed tracks affect faculty teaching loads through out the curriculum?

There will be no impact on teaching loads as 95% of our majors are enrolled in the Dietetic Curriculum. For those students who select the nutrition track, it is anticipated that only minor enrollment shifts will be noted within the department and support courses. This would not alter current faculty workloads.

Are other resources adequate?

The proposed program tracks will not require additional resources such as equipment and supplies.

Do you expect an increase or decrease in the number of students as a result of these revisions?

We do not anticipate any major enrollment changes. However, it is hoped that more of the students currently in the program will opt to remain and complete the program because of the additional opportunities these tracks will offer them.

### **Part IV Course Proposals**

The request to change FDNT 458 Advanced Human Nutrition from 3sh to 4sh has been forwarded to The University Wide Undergraduate Curriculum Committee. Action is anticipated during the 1999 academic year.

**Part V Letters of Support****IUP Department Chair Letters Attached:**

Allan Andrew, Natural Sciences Coordinator

Barkley Butler, Biology

Pothen Varughese, Chemistry

Kurt Dudd, Communications Media

Health and Physical Education

Carl Schneider, Psychology

Rebecca Hartman, Gerontology

Jeff Miller, Hotel, Restaurant and Institutional Management

Linda Nelson, Human Development and Environmental Studies

Ramesh Soni, Business Administration Minor for Non-Business majors

Stanford Mukasa, Journalism

Prashanth B. Nagendra, Management

<b>Comparison of BS in Dietetics to Revised and Re-titled Program, BS in Nutrition/Dietetics Track</b>	
<b>BS in Dietetics (Current)</b>	<b>BS in Nutrition/Dietetics Track (Proposed)</b>
<b>Liberal Studies :</b> 54-55sh As outlined in Liberal Studies section with the following specifications <b>Health and Wellness:</b> HPED 143 <b>Mathematics:</b> MATH217 <b>Natural Science:</b> CHEM101/102 or CHEM111/112 <b>Social Science:</b> ECON101, PSYC101, SOC151 <b>Liberal Studies Electives:</b> COSC/IFMG/BE101, HMEC218 or PSYC310, no courses with FDNT Prefix	<b>Liberal Studies:</b> 54sh As outlined in Liberal Studies section with the following specifications <b>Health and Wellness:</b> HPED 143 <b>Mathematics:</b> MATH217 <b>Natural Science:</b> CHEM101/102 or CHEM111/112 <b>Social Science:</b> ECON101 or ECON 121, PSYC101, SOC151 <b>Liberal Studies Electives:</b> COSC/IFMG/BEDU101, HMEC218 or PSYC310, no courses with FDNT Prefix
<b>Major Requirements</b> 39sh FDNT 110 Careers in Food and Nutrition, 1sh FDNT 150 Foods, 3sh FDNT 151 Foods Lab, 1sh FDNT 212 Nutrition, 3sh FDNT 213 Life Cycle Nutrition, 3sh FDNT 355 Nutrition in Disease I, 3sh FDNT 362 Experimental Foods, 3sh FDNT 364 Methods of Teaching, 3sh FDNT 402 Community Nutrition, 3sh FDNT 430 Professional Topics, 3sh FDNT 455 Nutrition in Disease II, 3sh FDNT 458 Advanced Human Nutrition, 3sh FDNT 463 Nutrition Counseling, 3sh FDNT 470 Human Food Consumption Patterns, 3sh FDNT 484 Senior Seminar, 1sh	<b>Food and Nutrition Core (all majors)</b> 25sh FDNT 110 Careers in Food and Nutrition, 1sh FDNT 150 Foods, 3sh FDNT 151 Foods Lab, 1sh FDNT 212 Nutrition, 3sh FDNT 213 Life Cycle Nutrition, 3sh FDNT 355 Nutrition in Disease I, 3sh FDNT 362 Experimental Foods, 3sh FDNT 458 Advanced Human Nutrition, 4sh FDNT 470 Human Food Consumption Patterns, 3sh FDNT 484 Senior Seminar, 1sh
<b>Other Requirements:</b> 13sh <b>Food Service Requirements</b> HRIM 259 Food Purchasing, 3sh HRIM 313 Food Systems I, 4sh HRIM 356 Human Resources in Hospitality Mgt., 3sh HRIM 408 Institutions Management, 3sh	<b>Controlled Electives</b> 28sh <b>Dietetics Track (DPD)</b> FDNT364 Methods of Teaching 3sh FDNT402 Community Nutrition 3sh FDNT430 Professional Topics in Food and Nutrition 3sh FDNT455 Nutrition in Disease II 3sh FDNT463 Nutrition Counseling 3sh HRIM259 Hospitality Purchasing 3sh HRIM313 Food Systems I 4sh HRIM356 Human Resources in the Hospitality Industry 3sh MGMT310 Principles of Management 3sh
<b>Other Sciences</b> 13sh CHEM255, BIOL105, BIOL155, BIOL232	<b>Natural Science Sequence: One option required</b> <b>Natural Sciences (Option 1)</b> 13sh CHEM255, BIOL105, BIOL155, BIOL232  <b>Natural Sciences (Option II)</b> 21sh CHEM231, CHEM351, BIOL105, BIOL150, BIOL151, BIOL232
<b>Electives</b> 4sh	<b>Free Electives</b> 0-4sh
<b>Total Degree Requirements</b> 124sh	<b>Total Degree Requirements</b> 124-128sh



Comparison of BS in Dietetics to Revised and Re-titled Program, BS in Nutrition/NutritionTrack			
BS in Dietetics (Current)		BS in Nutrition/Nutrition Track (Proposed)	
<b>Liberal Studies:</b> : As outlined in Liberal Studies section with the following specifications <b>Health and Wellness:</b> HPED 143 <b>Mathematics:</b> MATH217 <b>Natural Science:</b> CHEM101/102 or CHEM111/112 <b>Social Science:</b> ECON101, PSYC101, SOC151 <b>Liberal Studies Electives:</b> COSC/IFMG/BE101, HMEC218 or PSYC310, no courses with FDNT Prefix	54-55sh	<b>Liberal Studies:</b> As outlined in Liberal Studies section with the following specifications <b>Health and Wellness:</b> HPED 143 <b>Mathematics:</b> MATH217 <b>Natural Science:</b> CHEM101/102 or CHEM111/112 <b>Social Science:</b> ECON101 or ECON 121, PSYC101, SOC151 <b>Liberal Studies Electives<sup>1</sup>:</b> COSC/IFMG/BEDU101, HMEC218 or PSYC310, no courses with FDNT Prefix	54sh
<b>Major Requirements</b> FDNT 110 Careers in Food and Nutrition, 1sh FDNT 150 Foods, 3sh FDNT 151 Foods Lab, 1sh FDNT 212 Nutrition, 3sh FDNT 213 Life Cycle Nutrition, 3sh FDNT 355 Nutrition in Disease I, 3sh FDNT 362 Experimental Foods, 3sh FDNT 364 Methods of Teaching, 3sh FDNT 402 Community Nutrition, 3sh FDNT 430 Professional Topics, 3sh FDNT 455 Nutrition in Disease II, 3sh FDNT 458 Advanced Human Nutrition, 3sh FDNT 463 Nutrition Counseling, 3sh FDNT 470 Human Food Consumption Patterns, 3sh FDNT 484 Senior Seminar, 1sh	39sh	<b>Food and Nutrition Core</b> FDNT 110 Careers in Food and Nutrition, 1sh FDNT 150 Foods, 3sh FDNT 151 Foods Lab, 1sh FDNT 212 Nutrition, 3sh FDNT 213 Life Cycle Nutrition, 3sh FDNT 355 Nutrition in Disease I, 3sh FDNT 362 Experimental Foods, 3sh FDNT 458 Advanced Human Nutrition, 4sh FDNT 470 Human Food Consumption Patterns, 3sh FDNT 484 Senior Seminar, 1sh	25sh
<b>Other Requirements:</b> <b>Food Service Requirements</b> HRIM 259 Food Purchasing, 3sh HRIM 313 Food Systems I, 4sh HRIM 356 Human Resources in Hospitality Mgt., 3sh HRIM 408 Institutions Management, 3sh	13sh	<b>Controlled Electives</b> <b>Nutrition Track (non-DPD)</b> FN electives 6sh (300 level and above, internship of 3sh strongly recommended)  Program minor, Certificate, Second major, or Core Concentration required for program completion <sup>2</sup> 4-22sh	10-28sh
<b>Other Sciences</b> CHEM255, BIOL105, BIOL155, BIOL232	13sh	<b>Natural Science Sequence: One option required</b> <b>Natural Sciences (Option 1)</b> CHEM255, BIOL105, BIOL155, BIOL232  <b>Natural Sciences (Option II)</b> CHEM231, CHEM351, BIOL105, BIOL150, BIOL151, BIOL232	13sh 21sh
<b>Electives</b>	4sh	<b>Free Electives</b>	0-22sh
<b>Total Degree Requirements</b>	124sh	<b>Total Degree Requirements</b>	124-128sh

<sup>1</sup> For the Gerontology Certificate PHIL405 or PHIL400 or PSYC 378 can be applied as a Liberal Studies Elective. For the Business Administration minor, ECON122 can be applied as a Liberal Studies Elective.

<sup>2</sup> Select from list (see catalog for requirements): Business Administration, Chemistry, Communications Media, Culinary Arts, Educational Technology, Gerontology, Journalism, Natural Sciences, Psychology, and Psychology Science OR Hotel Restaurant and Institutions Management (FDNT150, FDNT151, HRIM101, HRIM259, HRIM306, HRIM313, HRIM356, HRIM401, HRIM 3 credit elective), OR Physical Education and Sport (HPED319, HPED410, HPED411, HPED481: American College of Sports Medicine, Health Fitness Instructors Workshop, and HPED343 or HPED375 or HPED412)

**Program Minors, Certificates, Second Major, Core Concentrations  
For  
The BS in Nutrition, Nutrition Track**

Program	Reference	Program Type	Total Semester Hours Required	Semester Hours from program already required in major	Semester Hours remaining to complete minor, certificate or second major
Business Administration for Non-Business Majors	Catalog, p54	Minor	21	Prescribed liberal studies EC121/122 substitute for EC101 and LS elective. MA217, CO101	21
Chemistry	Catalog, p115	Minor	20	16 (Science Option II)	4
Communications Media	Catalog, p61	Minor	18	0	18
Culinary Arts	Catalog, p74	Certificate IUP Academy of Culinary Arts	42	4	0 <sup>a,b</sup>
Educational Technology	Catalog, p61	Minor	24	3	21
Gerontology	Catalog, p85	Certificate	21	3 if program elective is an LS elective	18
Hotel, Restaurant, Institutions Management	FN150,151, HR101,259,306, 313,356,401,408	Core Concentration	26	4	22
Journalism	Catalog, p102	Minor	18	0	18
Natural Science or Pre-professional preparation	Catalog, p121	Second major	Varied	35 Science Option II + MA217, CO101	12-18
Physical Education and Sport	HP319, 410, 411, 481*, and HP343 or 375 or 412	Core Concentration	15	0	15
Psychology	Catalog, p126	Minor	20	3-6	14-17
Psychological Science	Catalog, p126	Minor	17-18	3-6	8-11

\*American College of Sports Medicine, Health Fitness Instructors Workshop

- a. The student has already earned the culinary certificate prior to transfer to main campus and entry into the nutrition program.
- b. If a student is in the nutrition program and wishes this certificate, they would then need to apply to the Culinary Program for admission.