REQUEST FOR NEW COURSE

1. General Information.

a. Submitted by the College of: Agriculture Today's Date: 09/16/2009

b. Department/Division: Nutrition and Food Science

c. Contact person name: Lisa Gaetke Email: lgaetke@email.uky.edu Phone: 7-1031

d. Requested Effective Date: ☒ Semester following approval OR ☐ Specific Term/Year[1]: _____

2. Designation and Description of Proposed Course.

a. Prefix and Number: NFS 512

b. Full Title: Medical Nutrition Therapy I

c. Transcript Title (if full title is more than 40 characters): Medical Nutrition Therapy I

d. To be Cross-Listed[2] with (Prefix and Number): _____

e. Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours[3] for each meeting pattern type.

4 Lecture	_____ Laboratory[1]	_____ Recitation	_____ Discussion	_____ Indep. Study
_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research	_____ Residency
_____ Seminar	_____ Studio	_____ Other – Please explain: _____		

f. Identify a grading system: ☐ Letter (A, B, C, etc.) ☐ Pass/Fail

g. Number of credits: 4

h. Is this course repeatable for additional credit? YES ☐ NO ☒

If YES: Maximum number of credit hours: _____

If YES: Will this course allow multiple registrations during the same semester? YES ☐ NO ☒

i. Course Description for Bulletin: This course explores changes in nutrient metabolism related to biochemical and physiological alterations in disease conditions and application of the Nutrition Care Process. Content includes case study evaluations, medical nutrition therapies for disease conditions, and current research in the field.

j. Prerequisites, if any: NFS 311, 312, 403, 510 or concurrent with NFS 510 and enrollment is limited to dietetics majors.

k. Will this course also be offered through Distance Learning? YES[4] ☐ NO ☒

l. Supplementary teaching component, if any: ☐ Community-Based Experience ☐ Service Learning ☐ Both

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[1] Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

[2] The chair of the cross-listing department must sign off on the Signature Routing Log.

[3] In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from *SR 5.2.1*)

[4] You must *also* submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

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3. **Will this course be taught off campus?** YES ☐ NO ☒

4. **Frequency of Course Offering.**

   a. Course will be offered (check all that apply): ☐ Fall ☒ Spring ☐ Summer

   b. Will the course be offered every year? YES ☐ NO ☒

   If NO, explain: ____

5. **Are facilities and personnel necessary for the proposed new course available?** YES ☒ NO ☐

   If NO, explain: ____

6. **What enrollment (per section per semester) may reasonably be expected?** 40+

7. **Anticipated Student Demand.**

   a. Will this course serve students primarily within the degree program? YES ☒ NO ☐

   b. Will it be of interest to a significant number of students outside the degree pgm? YES ☐ NO ☐

   If YES, explain: ____

8. **Check the category most applicable to this course:**

   ☒ Traditional – Offered in Corresponding Departments at Universities Elsewhere

   ☐ Relatively New – Now Being Widely Established

   ☐ Not Yet Found in Many (or Any) Other Universities

9. **Course Relationship to Program(s).**

   a. Is this course part of a proposed new program? YES ☐ NO ☒

   If YES, name the proposed new program: ____

   b. Will this course be a new requirement[5] for ANY program? YES ☒ NO ☐

   If YES[5], list affected programs: Dietetics

10. **Information to be Placed on Syllabus.**

    a. Is the course 400G or 500? YES ☒ NO ☐

    If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in ***10.b***. You must include: (i) identification of additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See *SR 3.1.4.*)

    b. ☒ The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from ***10.a*** above) are attached.

[5] In order to change a program, a program change form must also be submitted.

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Signature Routing Log

General Information:

Course Prefix and Number: NFS 512

Proposal Contact Person Name: Hazel Forsythe Phone: 7-4146 Email: nfshazel@email.uky.edy

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Dietetics Faculty	09/04/2009	Hazel Forsythe / 7-4146 /	Hazel Forsythe
Undergraduate Curriculum Meeting	09/04/2009	Tammy Stephenson / 7-2353 / tjhann00@uky.edu	T Stephenson
NFS Dept. Faculty	09/04/2009	Janet Kurzynske / 7-5135 / jkurzyns@email.uky.edu	Janet Kurzynske
Undergrad Curr Comm	10/16/2009	Larry Graboi 7-1885 lgraboi@email.uky.edu	Larry J Graboi
Grad Curr Comm	10/16/2009	Larry Graboi 7-1885 lgraboi@email.uky.edu	Larry J Graboi

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision[6]
Undergraduate Council	3/30/2010	Sharon Gill Digitally signed by Sharon Gill DN: cn=Sharon Gill, o=Undergraduate Education, ou=Undergraduate Council, email=sgill@uky.edu, c=US Date: 2010.04.21 15:54:13 -04'00'	
Graduate Council		Jeannine Blackwell 2010.04.30 09:15:41 -04'00'	
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

[6] Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

NFS 512
MEDICAL NUTRITION THERAPY 1
4 Credit Hours
COURSE SYLLABUS - SPRING 20__

Instructor: Lisa Gaetke, PhD, RD, LD
Office: 119 Funkhouser Building
Phone: (859) 257-1031
FAX: (859) 257-3707
Email: lgaetke@email.uky.edu

TA: TBA
Lecture: MW 9:00-10:50 am, Erikson Hall (EH), Room 203
Office Hrs: Mon. 1:00 pm-2:30 pm (or by appointment)

Required Text:
1. Mahan LK and S. Escott-Stump: *Krause's Food & Nutrition Therapy*. 12th edition, Saunders Elsevier, Philadelphia, PA, 2008.

References:
1. Pronsky, Zaneta: *Powers & Moore's Food Medication Interactions*. 15th edition, Food-Medications Interactions, Pottstown, PA, 2008.
2. Tilkian SM, MB Conover, and AG Tilkian *Clinical & Nursing, Implications of Laboratory Tests*, 5th edition, Mosby-Year Book, Inc. St. Louis, MO, 1995.
3. Nelms M, K Sucher, and S Long: *Nutrition Therapy and Pathophysiology*. Thomson Brooks/Cole, Belmont, CA, 2007.
4. Shils ME, M Shike, AC Ross, B Caballero, and RJ Cousins: *Modern Nutrition in Health and Disease*. 10th edition, Lippincott Williams & Wilkins, Philadelphia, 2005.

Course Description:
This course explores changes in nutrient metabolism related to biochemical and physiological alterations in disease conditions and application of the Nutrition Care Process. Content includes case study evaluations, medical nutrition therapies for disease conditions, and current research in the field.

Prerequisites: NFS 311, 312, 403, 510 or concurrent with NFS 510 and enrollment is limited to dietetics majors.

Course Objective:
Upon completion of this course, students will have proficient knowledge and understanding of medical nutrition therapy, so that they will be well prepared for an American Dietetic Association (ADA) internship, supervised practice program, and the Registered Dietitian (RD) credentialing exam.

Student Learning Outcomes:
Upon completion of this course, students will be able to:
1. Apply knowledge of human physiology and pathophysiology, biochemistry, and normal nutrition to determine nutrition implications and interventions for various disease states.
2. Apply knowledge of food composition to analyze and formulate medical nutrition therapy.
3. Apply the Nutrition Care Process, including nutrition assessment, nutrition diagnosis, nutrition intervention and monitoring and evaluation for individuals with various disease states.
4. Discuss the delivery of food and nutrition services in health care systems.
5. Identify research journals and apply current research information to dietetic practice.

Foundation Knowledge and Competencies – Dietitian Education:
1: Scientific and Evidence Base of Practice: integration of scientific information and research into practice.
KR 1.1. The curriculum must reflect the scientific basis of the dietetics profession and must include research methodology, interpretation of research literature and integration of research principles into evidence based practice.
2: Professional Practice Expectations: beliefs, values, attitudes and behaviors for the professional dietitian level of practice.
KR 2.1. The curriculum must include opportunities to develop a variety of communication skills sufficient for entry into pre-professional practice.
KR 2.3 The curriculum must include opportunities to understand governance of dietetic practice, such as the ADA Scope of Dietetics Practice Framework, the Standards of Professional Performance, and the Code of Ethics for the Profession of Dietetics; and interdisciplinary relationships in practice settings.
3: Clinical and Customer Services: development and delivery of information, products and services to individuals, groups and populations.
KR 3.1.The curriculum must reflect the nutrition care process and include the principles and methods of assessment, diagnosis, identification and implementation of interventions and strategies for monitoring and evaluation.
KR 3.2 The curriculum must include the role of the environment, food, nutrition, and lifestyle choices in health promotion and disease prevention.
KR 3.3. The curriculum must include education and behavior change theories and techniques.
5. Support Knowledge: knowledge underlying the requirements specified above.
SK 5.2. The physical and biological science foundation of the dietetics profession must be evident in the curriculum. Course content must include organic chemistry, biochemistry, physiology, genetics, microbiology, pharmacology, statistics, nutrient metabolism, and nutrition across the lifespan.
SK 5.3. The behavioral and social science foundation of the dietetics profession must be evident in the curriculum. Course content must include concepts of human behavior and diversity, such as psychology, sociology or anthropology.

SACS Accreditation
Our accreditation association and policy of the Graduate School require that there be different assignments and grading criteria for undergraduate students and graduate students in 400G and 500-level courses. For that reason, you will find differences in course requirements and/or grading criteria in this class, posted in this syllabus.

Student Responsibilities and Outcomes Assessment Measures

The course will be taught primarily as a lecture course using the above texts as a basis. Thus, reading text assignments prior to class will be important to your comprehension and application of course material.

Undergraduate and Graduate students will be responsible for:

I. Class Activities

Assigned readings - including contributions to discussions.

Case Study - group presentation of a case study including calculations, nutritional care plan, meal plans, menus, and answers to questions included with the case study.

Case Studies - individual answers to calculations, nutritional care plan, meal plans, menus, and answers to questions included with the case study.

II. Exams

Non-cumulative - 4 exams of 100 points each
- 4th exam given on final exam date

III. Grades

Case study presentation:	1 at 40 points	40	(8%)
Classroom participation		10	(2%)
Unannounced points from case studies		50	(10%)
Exams:	4 at 100 points each	400	(80%, each 20%)
TOTAL POINTS POSSIBLE		500	

IV. Graduate students will also be responsible for

Written paper - on a current topic discussing new medical nutrition therapy for one of the diseases discussed in class. Includes a case study with new medical nutrition therapy incorporated - 150 points

TOTAL POINTS POSSIBLE	650

V. Grading Scales

Undergraduate		Graduate	
A = 90% +	(448-500 pts.)	A = 90% +	(582-650 pts.)
B = 80-89%	(398-447 pts.)	B = 80-89%	(517-581 pts.)
C = 70-79%	(348-397 pts.)	C = 70-79%	(452-516 pts.)
D = 60-69%	(298-347 pts.)		

VI. Attendance

Students are required to attend all class sessions, and are responsible for all material presented in class, on Blackboard for NFS 512, and in assigned readings in the required textbooks. Students must submit documentation for all absences. Attendance will be taken into consideration when determining borderline grades.

You are required to call my office if illness or unforeseen circumstances cause you to

miss a lecture (257-1031), or the NFS office if you are unable to reach me (257-3800).

Make-up exams will be given in cases of documented excused absences only.

VII. Class Activities

All class assignment deadlines are to be met on the days stated in the syllabus. Assignments will be collected at the beginning of class on that date unless you have an excused absence. **NO late assignments will be accepted. Case studies and assignments must be turned in as a hard copy.** Case study assignments (completed individually) will not be accepted after presentation of the case study in class. For other assignments, there will be a 20% decrease in the assignment grade for each calendar day late, and they will not be accepted beyond 5 calendar days after the due date.

Any word processing on assignments should be enlarged print (24 + pt. type) for presentations, 12 pt. type (which is the print size of this syllabus) for all other assignments, except calculations may be handwritten.

VIII. Instructional Strategies

This course will consist of lecture sessions of approximately 2½ hours each Monday and Wednesday. The course content will be delivered by lecture, power point, overheads, and films/videotapes. Students will also be using Blackboard to access important course information and handouts. It is expected that students will check Blackboard at least three times per week for any announcements or any new information that may have been posted.

IX. Exams

The exams will cover the main aspects of the course presented before each exam. All exams except the final will be administered at class time. All exams are to be completed on the designated date and at the designated time.

Make-up exams will be given in case of excused absences only.

The form and time of all make-up exams will ultimately be determined by the instructor. The final exam will be conducted as stated in the university schedule book.

X. Academic Integrity

Scholastic dishonesty is not tolerated. Forms of scholastic dishonesty include, but are not limited to: plagiarism (copying or using someone else's work as your own – intellectual theft), utilization of unauthorized materials during academic evaluations, and giving or receiving unauthorized assistance during evaluations. Even evidence of inadvertent improper use of materials can result in a charge of academic dishonesty.

Penalties for academic dishonesty vary depending on the severity of the offense and any previous offenses. The minimum penalty for a first offense is a zero on the assignment in question. Depending on the severity of the infraction, an assignment of extra coursework, a course grade reduction, or the assignment of an E or XE grade for the course may also be imposed.

For more information, see Part II, Section 6.3.0 of "The Code of Student Conduct" which can be viewed online at http://www.uky.edu/StudentAffairs/Code/part2.html. You may also want to visit the Academic Ombud's website: http://www.uky.edu/Ombud. There you will find a paper "Plagiarism: What is it?" and an online tutorial entitled "How to avoid plagiarism."

XI. Instructional Accommodations:

Students with documented disabilities that require academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754) for coordination of campus disability services available to students with disabilities.

NFS 512 TENTATIVE LECTURE SCHEDULE

DATE	TOPIC	READING*	CASE STUDY PRESENTATION
	Intro to Medical Nutrition Therapy		
	Nutrition Care Process	ME 17	
	Nutrition Assessment	ME 14-15	***Sign up for case study groups**
	Drug-Food Interactions	ME 16	Nutrition Assessment
	CAM, Dietary Supplements	ME 18	
	Anemia	ME 31	
	Obesity	ME 21	Anemia
	Obesity/Wt Mgmt		Obesity/Wt Mgmt
	Exam #1 (1/00-2/00)		
	Eating Disorders	ME 22	
	Diabetes Mellitus (DM)	ME 30	
	DM		DM assignment
	Cardiovascular Dz (CVD)	ME 32	
	CVD		Cardiovascular Disease
	Hypertension (HTN)	ME 33	Hypertension
	(Midterm Evaluation to date)		
	Exam #2 (2/00-3/00)		
	GI Disease	ME 26,27	
	GI Disease		GI Disease
	GI Surgery		
	Enteral Nutrition	p. 506-516	
	SPRING BREAK		
	Liver Disease	ME 28	Enteral Nutrition
	Gallbladder/Pancreas Disease		Liver Disease
	Exam #3 (3/00-4/00)		
	Parenteral Nutrition	p. 516-529	
	Renal Disease	ME 36	
	Renal Disease		Parenteral assignment
	Renal Disease		Renal Disease
	Pulmonary Disease	ME 35	
	Pulmonary Disease/Review		Pulmonary Disease
00/00/20__	**FINAL EXAM (4/10-4/26) (Friday, May _ at 8:00 am, EH 203)**		

*ME = Mahan & Escott-Stump