

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

1. Submitted by the College of Health Sciences Date: March 3, 2008

Department/Division offering course: Clinical Nutrition

2. What type of change is being proposed? Major Minor*

*See the description at the end of this form regarding what constitutes a minor change. Minor changes are sent directly from the dean of the college to the Chair of the Senate Council.

If the Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.

Fill out the "Proposed" field only for items being changed. Enter N/A if not changing.

Circle the number for each item(s) being changed. For example: (6.)

3. Current prefix & number: CNU 601 Proposed prefix & number: same

4. Current Title Macronutrient Metabolism

Proposed Title[†] Integrated Nutritional Sciences I

[†]If title is longer than 24 characters (including spaces), write a sensible title (24 characters or less) for use on transcripts:

Integrated NutrSci I

5. Current number of credit hours: 4 Proposed number of credit hours: 3

6. Currently, is this course repeatable? YES NO If YES, current maximum credit hours: _____

Proposed to be repeatable? YES NO If YES, proposed maximum credit hours: _____

7. Current grading system: Letter (A, B, C, etc.) Pass/Fail

Proposed grading system: Letter (A, B, C, etc.) Pass/Fail

8. Courses must be described by at least one of the categories below. Include the number of actual contact hours per week for each category, as applicable.

Current:

() CLINICAL () COLLOQUIUM () DISCUSSION () LABORATORY (4) LECTURE
() INDEPEND. STUDY () PRACTICUM () RECITATION () RESEARCH () RESIDENCY
() SEMINAR () STUDIO () OTHER – Please explain: _____

Proposed:

() CLINICAL () COLLOQUIUM () DISCUSSION () LABORATORY (3) LECTURE
() INDEPEND. STUDY () PRACTICUM () RECITATION () RESEARCH () RESIDENCY
() SEMINAR () STUDIO () OTHER – Please explain: _____

9. Requested effective date (term/year): _____ Fall / 2008

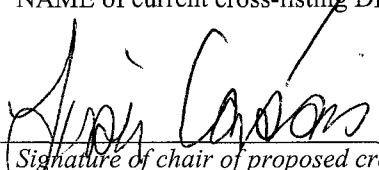
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10. Current teaching method: N/A Community-Based Experience Service Learning Component Both
Proposed teaching method (if applicable): Community-Based Experience Service Learning Component Both

11. Current cross-listing: N/A NS 601 Nutritional Sciences
Prefix and Number NAME of current cross-listing DEPARTMENT

a. Proposed - REMOVE the current cross-listing:

b. Proposed - ADD a cross-listing: _____
Prefix and Number


Signature of chair of proposed cross-listing department

12. Current prerequisites:
NFS 311
PGY 206

Proposed prerequisites:
IBS 601
PGY 206

13. Current Bulletin description:
N/A

Proposed Bulletin description:
The material covered in CNU/NS 601 consists of three major emphasis areas: (1) review of carbohydrate, lipid, and protein structure, synthesis, absorption, and metabolism, (2) the impact of nutritional influences on macronutrient metabolism to health and disease, (3) the influence of macronutrient metabolism on the regulation of energy balance.

14. What has prompted this change?
Graduate Biochemistry will now be a prerequisite rather than including lectures on biochemistry in the course. The etiology and management of chronic diseases related to the nutrient being studied (e.g. lipids and cardiovascular disease) will be integrated into the course rather than being taught separately as previously (in CNU 701, Nutrition and Chronic Diseases).

15. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
Lectures covering basic biochemistry will be deleted (e.g. lectures on glycolysis, citric acid cycle, fatty acid oxidation and synthesis, etc.). New lectures related to digestion and absorption, and to chronic diseases related to the nutrient being studied (e.g lipids and cardiovascular disease, energy metabolism and obesity) will be added.

16. Please list any other department that could be affected by the proposed change:
Nutritional Sciences

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400G or 500. establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

20. Within the department, who should be contacted for further information on the proposed course change?

Name: Howard P. Glauert Phone: 257-7789 Email: hglauert@uky.edu

21. Signatures to report approvals:

12/19/2007

DATE of Approval by Department Faculty

Janice Bruneau
4-28-08

DATE of Approval by College Faculty

3-10-08

*DATE of Approval by Undergraduate

Curriculum Council

*DATE of Approval by Graduate Council

*DATE of Approval by Health Care Colleges Council (HCCC)

*DATE of Approval by Senate Council

*DATE of Approval by the University Senate

Karen Skaff

printed name

Lisa Cassir

Reported by Department Chair

Josh Adams

signature

Jay A. Perman MD

printed name

Reported by College Dean

Jay Per

4-29-08

signature

C. DARR-LL JENNINGS, MD

printed name

Reported by Undergraduate Council Chair

Charles Jennings

Curriculum committee

signature

printed name

Reported by Graduate Council Chair

signature

printed name

Reported by Health Care Colleges Council Chair

signature

Reported by Office of the Senate Council

Reported by the Office of the Senate Council

*If applicable, as provided by the *University Senate Rules*. (<http://www.uky.edu/USC/New/RulesandRegulationsMain.htm>)

Excerpt from *University Senate Rules*:

SR 3.3.0.G.2: **Definition.** A request may be considered a minor change if it meets one of the following criteria:

- a. change in number within the same hundred series;
- b. editorial change in the course title or description which does not imply change in content or emphasis;
- c. a change in prerequisite(s) which does not imply change in content or emphasis, or which is made necessary by the elimination or significant alteration of the prerequisite(s);
- d. a cross-listing of a course under conditions set forth in SR 3.3.0.E;
- e. correction of typographical errors.

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Nutritional Sciences M.S. and Ph.D.

† In order for the course change to be considered, program change form(s) for the programs above must also be submitted.

18. Is this course currently included in the University Studies Program? Yes No

19. Check box if changed to 400G or 500. If changed to 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

20. Within the department, who should be contacted for further information on the proposed course change?

Name: Howard P. Glauert Phone: 257-7789 Email: hglauert@uky.edu

21. Signatures to report approvals:

12/19/07
DATE of Approval by Department Faculty

printed name Reported by Department Chair signature

Karon O. Staff, Ph.D. Chair, Ph.D. Sciences
Sharon R. Stewart *Sharon R. Stewart*

2-05-08
DATE of Approval by College Faculty

printed name Reported by College Dean signature

*DATE of Approval by Undergraduate Council

printed name Reported by Undergraduate Council Chair signature

*DATE of Approval by Graduate Council

printed name Reported by Graduate Council Chair signature

*DATE of Approval by Health Care Colleges Council (HCCC)

printed name Reported by Health Care Colleges Council Chair signature

*DATE of Approval by Senate Council

Reported by Office of the Senate Council

*DATE of Approval by the University Senate

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NS/CNU 601: Integrated Nutritional Sciences I Course Syllabus

Course Description: The material covered in CNU/NS 601 consists of three major emphasis areas: (1) review of carbohydrate, lipid, and protein structure, synthesis, absorption, and metabolism, (2) the impact of nutritional influences on macronutrient metabolism to health and disease, (3) the influence of macronutrient metabolism on the regulation of energy balance.

Course format and attendance policy: Schedule class sessions will include lecture presentation (mainly) and/or in class presentations of case studies/relevant research articles. Attendance at class sessions is expected. You are responsible for material covered in class sessions that you miss.

You are encouraged to ask relevant questions before, during and after class sessions. For questions that cannot be adequately addressed during this time, appointments are suggested with course faculty.

Prerequisites: IBS 601 and PGY 206

Required Textbook:

- Modern Nutrition in Health and Disease, 10th Edition, edited by Shils, Shike, Ross, Caballero, and Cousins. Lippincott Williams & Wilkins, Philadelphia, 2006.

Examinations: There will be five (5) exams for this course (4 exams during the semester and one final exam), corresponding to each section (CHOs, lipids, proteins and AAs, digestion and absorption, and energy). Each section will be worth 100 points, totaling 500 points. Some instructors will require in-class presentations or class discussion of case studies or research papers as part of evaluations. The format for the examinations will be varied and may include objective questions (e.g. multiple choice, matching, true-false), short answer questions, essay questions, take-home questions, etc. Examinations (including the final exam) will cover material since the previous examination. However, an understanding of the principles covered in this course as well as basic biochemistry will be necessary to adequately handle questions.

All exams are taken in accordance with the University honor code. You should make every effort not to miss an exam. In the event that an exam must be missed, you must contact the course coordinator before the examination.

Course grading: The total number of possible points in the course is 500. Final letter grades will be assigned by the Course Coordinator. The approximate grading scale to be used will be as listed below. However, curving of grades around these values will be at the discretion of the course coordinator.

A:	450 - 500
B:	400 - 449.9
C:	350 - 399.9
E:	< 350

Additional policies related to this course have been established by the University Senate for all University of Kentucky students and can be found in the booklet Student Rights and Responsibilities, which is available to all students through the Dean of Students Office. Policies are also described in the Nutritional Sciences student handbook.

Lecture schedule (approximate lecture hours)(corresponding Shils chapters)

1. Proteins and amino acids (7 lecture hours)
 - a. Amino acids: structure, properties, digestion & absorption, metabolism (2h)(2)
 - b. Prot structure, function, Protein req., protein quality (4h)(2)
 - c. Inherited metabolic diseases: amino acids (1h)(58)
2. Carbohydrates (9 lecture hours)
 - a. Chemistry, metabolism, digestion and absorption (2h)(3)
 - b. Dietary fiber (2h)(4)
 - c. Disorders of CHO metabolism
 - 1) Inherited metabolic diseases (1h)(58)
 - 2) Diabetes--etiology and management(4h)(62,63)
3. Lipids (10 lecture hours)
 - a. Structure, function, digestion & absorption, EFAs, eicosanoids (3h)(5)
 - b. Lipoproteins and cholesterol metabolism (3h)(6)
 - c. Etiology and management of cardiovascular disease (4h)(66,67)
4. Diseases of Digestion and Absorption (8 lecture hours)
 - a. Alimentary tract in nutrition (1 h)(70)
 - b. Malabsorption, Celiac disease (1h)(71,77)
 - c. Inflammatory bowel disease: Crohn's, ulcerative colitis (1h)(76)
 - d. Pancreatic disorders (1h)(78)
 - e. Enteral and parenteral nutrition (1)(98,99)
 - f. Alcohol; liver disorders and role of alcohol (2h)(79)
5. Energy (10 lecture hours)
 - a. Control of energy balance; regulation of food intake (2h)(7,45,46,47)
 - d. Disorders of energy balance: starvation, protein-energy malnutrition (2h)(49,57)
 - e. Disorders of energy balance: obesity (etiology and management) (4h)(64,65)
 - f. Metabolic syndrome--etiology and management(case study)(2h)(62)