Proposal Form For Addition And Revision Of Courses

1. Proposing College / School: College of Human Sciences
   Department: Nutrition, Dietetics and Hospitality Management

2. Course Prefix and Number: NTRI 5030

3. Effective Term: Spring 2014

4. Course Title: Medical Nutrition II
   Abbreviated Title (30 characters or less): Medical Nutrition II

5. Requested Action:
   - [ ] Renumber a Course
   - [ ] Add a Course
   - [x] Revise a Course
   - [ ] Corequisite

6. Course Credit:
<table>
<thead>
<tr>
<th>Contact/Group Hours</th>
<th>Scheduled Type (e.g.: Lab, Lecture, Practicum, Directed Study)</th>
<th>Weekly or Per Term?</th>
<th>Credit Hours</th>
<th>Anticipated Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Repeatability):</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Lecture</td>
<td>3</td>
<td>50</td>
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</tbody>
</table>

   Total Credit Hours: 3

7. Grading Type:
   - [x] Regular (ABCDF)
   - [ ] Satisfactory/Unsatisfactory (S/U)
   - [ ] Audit

8. Prerequisites/Corequisites:
   Use "P:" to indicate a prerequisite, "C:" to indicate a corequisite, and "P/C:" to indicate a prerequisite with concurrency.
   - P: NTRI 5020
   - C: NTRI 3750

9. Restrictions: List specific restriction in space above.
   - [ ] College
   - [x] Major
   - [ ] Standing
   - [ ] Degree

10. Course Description:
    Application of nutrition principles to pathophysiological and biochemical changes associated with cardiovascular disease, hypermetabolic states, and renal, respiratory, and immune system diseases.

11. May Count Either: 5030 or 6030 (Indicate if this particular course cannot be counted for credit in addition to another)

12. Affected Program(s):
    (Resond "N/A" if not included in any program; attach memorandum if more space is required)
    | Program Type | Program Title | Requirement or Elective? |
    |--------------|---------------|-------------------------|
    | Major        | BS in Dietetics | Required               |

13. Overlapping or Duplication of Other Units' Offerings:
    (If course is included in any other degree program, is used as an elective frequently by other unit(s), or is in an area similar to that covered by another college/school, attach correspondence with relevant unit)
   - [ ] Applicable
   - [x] Not Applicable
14. Justification:
The corequisite (NTRI 3750) is needed to enable dietetics students to use the knowledge gained in medical nutrition courses and apply it appropriately in nutrition education assignments in NTRI 3750 Nutrition Education.

(Include a concise, yet adequate rationale for the addition/revision of the course, citing accreditation, assessments (faculty, graduate, and/or external) where applicable)

15. Resources:
Not applicable

(Indicate whether existing resources such as library materials, classroom/laboratory space, and faculty appointments are adequate to support the proposed addition/revision; if additional resources are required, indicate how such needs will be met, referencing the appropriate level of authorization — i.e.: Dean — where necessary; if no additional resources or shifting of resources will be necessary, respond "Not Applicable")

16. Student Learning Outcomes:
The student will be able to:
- integrate principles of nutrition, biochemistry, and physiology as the basis of nutrition management in selected disease states outlined in the course content of the syllabus.
- describe etiologic factors, clinical manifestations, diagnostic tests, pathophysiological and metabolic disturbances in disease states listed in the course content of the syllabus.
- identify normal and abnormal laboratory values found in disease states listed in the course content of the syllabus.
- provide the appropriate rationale and nutrition support / intervention for selected diseases listed in the course content of the syllabus.
- describe medical and drug therapies of selected disease states and recognize the potential for nutrient drug interactions.
- evaluate a weight loss diet plan for nutritional adequacy.
- locate and apply evidence-based guidelines to examine the effectiveness of a selected food or nutrient in the prevention or treatment of diseases / conditions or risks factors for disease.

(State in measurable terms [reflective of course level] what students should be able to do when they have completed this course)

17. Course Content Outline:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 10 and 15</td>
<td>Course Introduction, Bariatric Surgeries</td>
</tr>
<tr>
<td>January 15, 17, 22, 24, and 31</td>
<td>Diseases of the Cardiovascular System</td>
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<td>January 29</td>
<td>Guest speaker - Health Care Reimbursement</td>
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<tr>
<td>February 5, 7, and 12</td>
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</tr>
<tr>
<td>February 12 and 14</td>
<td>Hypermetabolic States: Cancer, Sepsis, Burns, Trauma, Brain Injury</td>
</tr>
<tr>
<td>February 19</td>
<td>Examination One</td>
</tr>
<tr>
<td>February 21, 26, and 28, and March 5</td>
<td>Hypermetabolic States - continued</td>
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<tr>
<td>March 7</td>
<td>Huntsville - Alabama Dietetic Association State Meetings</td>
</tr>
<tr>
<td>March 11 - 15</td>
<td>Spring Break - Enjoy No Classes</td>
</tr>
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<td>March 19</td>
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<td>March 21 and 26</td>
<td>Renal Diseases: Nephrosis and Renal Failure</td>
</tr>
<tr>
<td>March 28</td>
<td>Examination Two</td>
</tr>
<tr>
<td>April 2, 4, and 9</td>
<td>Renal Failure and Renal Replacement Therapy</td>
</tr>
</tbody>
</table>
April 9 and 11  Malnutrition
April 11 and 16  Diseases of the Respiratory System
April 16  Diet Project Group Presentations
April 18  Examination Three
April 23 and 25  Diet Project Group Presentations
April 25  Diseases of the Immune System

Friday May 3  8:00-10:30 am  Final Examination

(Provide a comprehensive, week-by-week breakdown of course content, including assignment due dates)

18. Assignments / Projects:

Examinations (3 exams at 100 points = 300 points total and 100 point final)
1. Regularly scheduled exams will be multiple choice, and require a blue
   scan sheet and a calculator.
   a. Three exams at 100 points each for a total of 300 points will be given
2. Final Examination is worth 100 points and is cumulative
   a. According to university final exam schedule:
      Friday, May 3, 2013 @ 8 - 10:30 am

Quizzes (total 25 points)
Weekly (almost) quizzes, 5 points each, will be given every Tuesday
unless announced differently. A total of 7 quizzes will be given; the lowest
two quiz grades will be dropped.

Case Studies and Diet Analysis Project (40 points) - additional instructions/
due dates will be provided in class
1. Case studies (25 points) - hypertension/CAD (7 pts), hypermetabolic
   states (10 pts), and renal (8 pts)
2. Diet analysis project (15 points) - critical analysis of a weight loss diet
   for treating obesity. Due February 28
3. Diet analysis group presentation (5 bonus points) - be ready for
   presentations to start April 16

Evidenced-based Analysis Report (15 points) - due date - March 21

(List all quizzes, projects, reports, activities and other components of the course grade -- including a brief description of each
assignment that clarifies its contribution to the course's learning objectives)

19. Rubric and Grading Scale:

<table>
<thead>
<tr>
<th>COURSE GRADING SCALE (480 points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>90 - 100</td>
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<tr>
<td>80 - 89.9</td>
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<tr>
<td>70 - 79.9</td>
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<tr>
<td>60 - 69.9</td>
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<td>&lt; 59.9</td>
</tr>
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(List all components of the course grade -- including attendance and/or participation if relevant -- with point totals for each; indicate
point totals and ranges or percentages for grading scale; for S/U grading, detail performance expectations for a passing grade)

20. Justification for Graduate Credit:

(Include a brief statement explaining how the course meets graduate educational standards (i.e.: rigorous standards for
evaluation, development of critical thinking and analytical skills, etc.))

(Included below are standard statements regarding course policies. If necessary, a statement may be altered to reflect the
academic policies of individual faculty members and/or the academic unit or department, provided that there is no conflict with the
Student Policy eHandbook, Faculty Handbook, or any existing university policy.)
POLICY STATEMENTS

Attendance: Although attendance is not required, students are expected to attend all classes, and will be held responsible for any content covered in the event of an absence.

Excused Absences: Students are granted excused absences from class for the following reasons: illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by an academic unit, trips for university classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request, and render a decision. When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please consult the Student Policy eHandbook for more information on excused absences.

Make-Up Policy: Arrangement to make up a missed major examination (e.g., hour exams, mid-term exams) due to properly authorized excused absences must be initiated by the student within one week of the end of the period of the excused absence(s). Except in unusual circumstances, such as the continued absence of the student or the advent of University holidays, a make-up exam will take place within two weeks of the date that the student initiates arrangements for it. Except in extraordinary circumstances, no make-up exams will be arranged during the last three days before the final exam period begins.

Academic Honesty Policy: All portions of the Auburn University student academic honesty code (Title XII) found in the Student Policy eHandbook will apply to university courses. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

Disability Accommodations: Students who need accommodations are asked to electronically submit their approved accommodations through AU Access and to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 844-2009 (V/T/T).
Approvals

Department Chair / Head

Date

College / School Curriculum Committee

Date

College / School Dean

Date

Dean of the Graduate School (for Graduate Courses)

Date

Assoc. Provost for Undergraduate Studies (for Undergraduate Courses)

Date

Contact Person: Sareen S. Gropper
E-Mail Address: groppss@auburn.edu
Telephone: 4-3271
Fax: 4-3268
NTRI 5030 Medical Nutrition II Syllabus
Spring Semester 2014

Bulletin Description: (current) Application of nutrition principles to the pathophysiology and biochemical changes associated with sepsis, burns and trauma as well as renal, respiratory, and immune system diseases. Credit will not be given for both NTRI 5030 and NTRI 6030. Spring.

Bulletin Description: (proposed) Application of nutrition principles to pathophysiological and biochemical changes associated with cardiovascular disease, hypermetabolic states, and renal, respiratory, and immune system diseases. Credit will not be given for both NTRI 5030 and NTRI 6030. Spring.

Credit hours: 3

Instructor for Course: Dr. Sareen S. Gropper, RD, LD
Instructor’s Office 101 E Poultry Science Bldg.
Instructor’s Office hours: Wednesdays 10:30 - 11:30 am,
Thursday 11:30 am -1:00 pm, and other times by appointment
Instructor’s Contact Phone # and Email: 844-3271 and groppss@auburn.edu

Clock Hours for Course: 3

Schedule for Course: Tuesdays and Thursdays 9:30 - 10:45 am

Classroom for Course: Spidle Hall room 144

Course Prerequisites (current): NTRI 5020 or departmental approval
Course Prerequisite (proposed): NTRI 5020
Course Corequisite (proposed): NTRI 3750 Nutrition Education

Course Objectives
The student will be able to:
- integrate principles of nutrition, biochemistry and physiology as the basis of nutrition management in selected disease states outlined in the course content of the syllabus.
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### Course Content: Lectures and Examination Dates

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Methods of Student Evaluation / Grading

Examinations (3 exams at 100 points = 300 points total and 100 point final)
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2. Diet analysis project (15 points) - critical analysis of a weight loss diet for treating obesity.
   Due February 28
3. Diet analysis group presentation (5 bonus points) - presentations should be ready on April 16

Evidenced-based Analysis Report (15 points) - due date - March 21. Using the Cochrane Database of Systematic Reviews, Academy’s Evidence Analysis Library (www.adaevidencelibrary.com), Clinical Evidence (http://www.clinicalevidence.org), National Guideline Clearinghouse (http://www.guidelines.gov/syntheses/synthesis.aspx?id=36609), American Society for Enteral and Parenteral Nutrition (www.nutritioncare.org), Cochrane Collaboration (www.cochrane.org), European Society for clinical Nutrition and Metabolism (www.espen.org) among others, write a one to two page, double-spaced, size 12 font report addressing the findings of evidence-based research examining the effectiveness of a selected nutrient in the prevention or treatment of disease / condition or the effectiveness of another nutrition-related recommendations for a disease / condition. Address the question that was investigated as well as the findings from the analysis; include in your “report” the “grade” of the evidence and its significance (useful of the findings).

Course Grading Scale

<table>
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<tr>
<th>Percentage (%)</th>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
<td>432 - 480</td>
</tr>
<tr>
<td>80 - 89.9</td>
<td>B</td>
<td>384 - 431.9</td>
</tr>
<tr>
<td>70 - 79.9</td>
<td>C</td>
<td>336 - 383.9</td>
</tr>
<tr>
<td>60 - 69.9</td>
<td>D</td>
<td>288 - 335.9</td>
</tr>
<tr>
<td>&lt; 59.9</td>
<td>F</td>
<td>&lt; 288</td>
</tr>
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</table>
Readings (required and recommended)
Gropper SS. NTRI 5030 Medical Nutrition Lecture Outlines available on Canvas. (Required)
Mahan LK, Escott-Stump S. Krause’s Food, Nutrition and Diet Therapy, latest edition, Philadelphia:
W.B. Saunders Co.. (Recommended)
Pronsky Z. Food Medication Interactions, latest edition. (Recommended)
International Dietetics and Nutritional Terminology (IDNT) Reference Manual, 3rd ed. Call Academy member services center 800-877-1600 or sales@eatright.org for reduced student price. (Highly Recommended)

Class Participation and Attendance Policies
Students are expected to attend and participate in all regularly scheduled class meetings.
Students are responsible for all work covered in class whether they are present or not.
Missed work including examinations may be made up only with a University approved excuse.

Excused Absences Policies
Students are granted excused absences from class for the following reasons: illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by an academic unit, trips for university classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays.

Students who wish to have an excused absence from class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request, and render a decision. When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required.

Make-Up Policy
Arrangement to make up a missed exam due to properly authorized excused absences must be initiated by the student within one week of the period of the excused absence(s). Except in unusual circumstances, such as the continued absence of the student or the advent of university holidays, a make-up exam will take place within two weeks of the date that the student initiates arrangements for it. The format of make-up examinations and assignments may differ from the original format.

The student is expected to submit all assigned work at the class period designated by the instructor. Failure to turn in these assignments on the designated due dates without an excused absence will result in a loss of 3 points for each day the assignment is late. Students with an approved excuse who have not turned in an assignment and not contacted the instructor within one week after the scheduled due date will receive a zero for that assignment.
Accommodations for Students with Disabilities
Students who need special accommodations in class, as provided by the American Disabilities Act, should follow university approved procedures. If you need assistance, make an appointment with the Program for Students with Disabilities, 1244 Haley Center, 844-2096. Accommodations for examinations should be discussed with the instructor at least one week prior to the scheduled examination.

Academic Honesty
All portions of the Academic Honesty code as found on the website https://fp.auburn.edu/studentaffairs/policies.aspx  apply in this class.
Each student MUST do his/her own work - this includes case studies unless directions specify otherwise.
From the AU website, go to Office of the Provost, Academic Dishonesty, Resources for Students - Examples of Violations - which include “copying from another student’s assignment” are found on this site.

Contingency Plans
If the normal class schedule is disrupted due to illness, emergency, or crisis situation (such as a flu outbreak), the syllabus and other course plans and assignments may be modified to allow completion of the course. If this occurs, an addendum to your syllabus and revised course assignments will replace this syllabus.

“Auburn University is committed to providing a working and academic environment free from discrimination and harassment and to fostering a nurturing and vibrant community founded upon the fundamental dignity and worth of all its members.”

Accreditation Council for Education in Nutrition and Dietetics (ACEND) Core Knowledge for the RD
1. Scientific and Evidence Base of Practice: Integration of Scientific Information and Research into Practice
   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
      ▶ Students must be able to demonstrate how to locate, interpret, evaluate and use professional literature to make ethical evidence-based practice decisions
      ▶ Students must be able to use current information technologies to locate and apply evidence-based guidelines and protocols (such as Cochrane Database of Systematic Reviews, Academy’s Evidence Analysis Library, Agency for Healthcare Research and Quality, …)

2. Professional Practice Expectations:
   Beliefs, Values, Attitudes, and Behaviors for the Professional Dietitian Level of Practice
2.1. The curriculum must include opportunities to develop a variety of communication skills sufficient for entry into pre-professional practice
      ▶ Students must be able to demonstrate effective and professional oral and written communication and documentation
3. Clinical and Customer Services:
   Development and Delivery of Information, Products, and Services to Individuals, Groups and Populations

3.1. The curriculum must reflect the principles of Medical Nutrition Therapy and the practice of the nutrition care process, including principles and methods of assessment, diagnosis, identification, and implementation of interventions and strategies for monitoring and evaluating
   ▶ Students must be able to use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions

3.2. The curriculum must include the role of environment, food, nutrition and lifestyle choices in health promotion and disease prevention
   ▶ Students must be able to develop interventions to affect change and enhance wellness in diverse individuals and groups