Term Information

Effective Term: Spring 2014

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
remove C- prerequisite

What is the rationale for the proposed change(s)?
We agree that having the C- rule to move on in our major is difficult to enforce and might not be equally enforced among the different majors. We would like to not have this rule in place. However we would still like to keep the C- rule in place for students to graduate with a degree in nutrition. IN other words students can “move on” with a grade lower than a C-, but they will at some point need to retake the course to graduate.

What are the programmatic implications of the proposed change(s)?
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
none

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area: Human Nutrition
Fiscal Unit/Academic Org: Department of Human Sciences - D1254
College/Academic Group: Education & Human Ecology
Level/Career: Graduate, Undergraduate
Course Number/Catalog: 5612
Course Title: Medical Nutrition Therapy 2
Transcript Abbreviation: Med Nutr Therapy 2
Course Description: The role of medical nutrition therapy in the treatment of established disease with emphasis on the biochemical and physiological rationale for dietary modifications.
Semester Credit Hours/Units: Fixed: 3

Offering Information

Length Of Course: 14 Week
Flexibly Scheduled Course: Never
Does any section of this course have a distance education component? No
Grading Basis: Letter Grade
Repeatable: No
Course Components: Lecture
Grade Roster Component: Lecture
Credit Available by Exam: No
Admission Condition Course: No
Off Campus: Never
Campus of Offering: Columbus
Prerequisites and Exclusions

Prerequisites/Corequisites
Prereq: 5611 (611); and Human Nutrition or Medical Dietetics major or Grad standing.  
Previous Value
Prereq: C- or above in 5611 (611); and Human Nutrition or Medical Dietetics major or Grad standing.  
Exclusions
Not open to students with credit for 612.  
Previous Value
Not open to students who received a C- or better in 612.

Cross-Listings

Cross-Listings
None

Subject/CIP Code

Subject/CIP Code
51.3101
Subsidy Level
Doctoral Course
Intended Rank
Junior, Senior, Masters, Doctoral, Professional

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

Course Details

Course goals or learning objectives/outcomes
• Understand the nutrition care process, including selection of nutrition diagnoses and interventions to solve problems or improve nutritional status and the appropriate monitoring and evaluation specific to the individual patient
• Describe clinical symptoms, diagnosis, medical nutrition therapy including dietary modifications for gi disorders, liver, biliary & exocrine pancreas disorder, food allergy/food intolerances, anemia, heart failure & transplant
• Describe clinical symptoms, diagnosis, medical nutrition therapy including dietary modifications for pulmonary disease, renal disease, HIV infection, and metabolic stress, sepsis, burns and trauma.
• Outline the relationship between drug, diet and medical nutrition therapy for each of the diseases examined in the course
• Relate the various physical, economic, social, and psychological considerations which must be accounted for in a patient dietary care plan
• Evaluate case studies and describe the proper diet modifications necessary for each case
• Describe the various alternative methods of feeding when a patient cannot be fed by mouth
• Outline the use of enteral and parenteral nutrition products currently available
• Function as an effective nutrition care team member
• Identify and utilize research findings from current literature in developing nutritional care plans
Content Topic List

- Nutrition Care Process; nutrition diagnosis and intervention
- Parenteral nutrition
- Upper gastrointestinal tract disorders
- Lower gastrointestinal tract disorders
- Liver, biliary & exocrine pancreas disorders
- Food allergy & food intolerances
- Heart failure & transplant
- Pulmonary disease, cystic fibrosis
- Anemia
- Renal disorders
- Metabolic stress, sepsis, burns, trauma

Attachments

- 5612 SyllabusSp2013.pdf: syllabus
  (Syllabus. Owner: Odum, Sarah A.)

Comments

- request submitted per J. Bomser (by Odum, Sarah A. on 10/02/2013 11:13 AM)

Workflow Information

<table>
<thead>
<tr>
<th>Status</th>
<th>User(s)</th>
<th>Date/Time</th>
<th>Step</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted</td>
<td>Odum, Sarah A.</td>
<td>10/02/2013 11:14 AM</td>
<td>Submitted for Approval</td>
</tr>
<tr>
<td>Approved</td>
<td>Buckworth, Janet</td>
<td>10/02/2013 11:58 AM</td>
<td>Unit Approval</td>
</tr>
<tr>
<td>Pending Approval</td>
<td>Achterberg, Cheryl L Blount, Jackie Marie Odum, Sarah A. Zircher, Andrew Paul</td>
<td>10/02/2013 11:58 AM</td>
<td>College Approval</td>
</tr>
</tbody>
</table>
HUMN NTR 5612: Medical Nutrition Therapy 2 - Spring 2013
Wed & Fri 9:35-10:55 AM; Location 0251 Journalism Bldg

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Tonya Orchard, PhD, RD, LD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office</td>
<td>341 Campbell Hall</td>
</tr>
<tr>
<td>Phone</td>
<td>292-7241</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:orchard.6@osu.edu">orchard.6@osu.edu</a></td>
</tr>
<tr>
<td>Office Hours</td>
<td>Wed: 11:30 – 12:30 PM, Fri: 1:00-2:00 PM*</td>
</tr>
<tr>
<td></td>
<td>*1st Friday of the month: 2:00-3:00 PM</td>
</tr>
</tbody>
</table>

Prerequisites: HUMN NTR 5611.
Credit Hours: 3 semester credits.
Course Description: The role of medical nutrition therapy in the treatment of established disease with emphasis on the biochemical and physiological rationale for dietary modifications.

Course Objectives/Learning Outcomes:
Following successful completion of this course, students will be able to:...
1. Understand the nutrition care process, including assessment and selection of nutrition diagnoses and interventions to solve problems or improve nutritional status and the appropriate monitoring and evaluation specific to the individual patient.
2. Describe the pathophysiology, clinical symptoms, diagnosis, medical nutrition therapy including dietary modifications for
   a. gastrointestinal disorders
   b. liver, biliary & exocrine pancreas disorders
   c. food allergy & food intolerances
   d. anemia
   e. heart failure and transplant
   f. pulmonary disease
   g. renal disease
   h. HIV infection
   i. metabolic stress; sepsis; burns; and trauma
3. Outline the relationship between drug, diet and medical nutrition therapy for each disease in #2.
4. Relate the various physical, economic, social, and psychological considerations which must be accounted for in a patient dietary care plan.
5. Evaluate case studies and describe the proper diet modifications necessary for each case.
6. Describe the various alternative methods of feeding when a patient cannot be fed by mouth.
7. Describe the appropriate use of enteral and parenteral nutrition products in the medical nutrition therapy of diseases in #2,
8. Function as an effective nutrition care team member.
9. Identify and utilize research findings from current literature in developing nutritional care plans.

Recommended Resources:
TEACHING METHODS:
Lectures, case studies, animations, readings, online activities.
Email/Internet: All students must have an active OSU email account and know how to use the Internet.

Carmen:
All students are required to use Carmen. Course announcements including grades will be posted on our course site within Carmen and some assignments will be completed in Carmen. To gain access to this information, go to the following website: http://www.carmen.osu.edu/. If your OSU username is not activated, go to the following website and activate it: https://acctmgmt.service.ohio-state.edu/. General questions are encouraged on the Discussion Board in Carmen as many other students may have the same question and another student may have a quick answer before Dr. Orchard sees the question. Please take the time to see if your question has already been asked and answered.

EVALUATION TECHNIQUES:
• Attendance: Regular attendance and participation is expected. Case studies are due in class on the due date. No written work (case studies, in-class activities and exams) will be accepted late or outside of class, except with a written medical or equivalent excuse.
• Participation in Class Activities: Two in-class activities will contribute points toward your participation grade. These will consist of short written assignments that will be turned in for a completion grade during the class period. No points will be given if you are not in class on the day of the activity, except with a written medical or equivalent excuse.
• Case Studies: Four clinical case studies will be completed and points will be earned for the written report. Hard copies of the case report will be due in class on the due date. Case studies submitted after the class period (either hard copy or electronic documents) will not be accepted.
• Online Quizzes: Several quizzes will be administered which cover material from the textbook. The quizzes will be posted on Carmen for you to complete. You have 1 week to complete the quiz before it is removed from the course web site. You have 2 attempts to complete the quiz. The highest score is retained for your grade.
• Exams: Three exams will be administered. The 3rd exam (final exam) will cover the material from the last third of the class plus questions from exams 1 & 2.

GRADING PLAN:
<table>
<thead>
<tr>
<th></th>
<th>Points</th>
<th>(% Final Grade)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams Exam 1 &amp; Exam 2, 100 points each; Final, 140 points</td>
<td>340</td>
<td>68%</td>
</tr>
<tr>
<td>Case Studies 4 x 25 pts each</td>
<td>100</td>
<td>20%</td>
</tr>
<tr>
<td>Terminology Quizzes 9 x 4 points each</td>
<td>36</td>
<td>7%</td>
</tr>
<tr>
<td>Attendance 0.5 point per class</td>
<td>14</td>
<td>3%</td>
</tr>
<tr>
<td>In-Class Activities 2 x 5 points each</td>
<td>10</td>
<td>2%</td>
</tr>
<tr>
<td>TOTAL POINTS</td>
<td>500</td>
<td>100%</td>
</tr>
</tbody>
</table>

Extra Credit: 10 points
Evidence Based Practice: Summary of one recent review article plus one original research article (both from 2003-2013) on nutritional care of patients with conditions discussed in learning objective 2a-2i. More information on this assignment will be available on Carmen and discussed in class.

GRADING SCALE: This scale will be used in determining letter grades out of 500 possible points.

<table>
<thead>
<tr>
<th>Grade % (Points)</th>
<th>Grade % (Points)</th>
<th>Grade % (Points)</th>
<th>Grade % (Points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 93-100 (463-500)</td>
<td>B 83-86 (413-432.5)</td>
<td>C 73-76 (363-382.5)</td>
<td>D 60-66 (298-332.5)</td>
</tr>
<tr>
<td>A- 90-92 (448-462.5)</td>
<td>B- 80-82 (398-412.5)</td>
<td>C- 70-72 (348-362.5)</td>
<td>E 59 or less</td>
</tr>
<tr>
<td>B+ 87-89 (433-447.5)</td>
<td>C+ 77-79 (383-397.5)</td>
<td>D+ 67-69 (333-347.5)</td>
<td></td>
</tr>
</tbody>
</table>
You can check your grades at any time by consulting the Grades screen on Carmen. Any discrepancies between posted grades and your record of your grades should be brought to my attention immediately.

**STUDY TIPS:**
1. Attend **Lecture** with **lecture handout** from Carmen. Take **notes** in notebook or on the lecture handout.
2. Read **assigned reading** from the required **textbook** for further understanding of the lecture topics and to **annotate** your lecture notes.
3. Complete the **Terminology Review Quizzes** on Carmen.
4. Organize lecture handouts, class and reading notes, case studies, quizzes and additional resources in a three-ring binder organized by disease.
5. **Study** all of the materials described above before the Exam.

**STUDENTS WITH DISABILITIES:**

Any student who feels s/he may need an accommodation based on the impact of a disability should contact one of the instructors privately to discuss specific needs. The Office of Disability Services is relied upon for assistance in verifying the need for accommodations and developing accommodation strategies. Please contact the Office for Disability Services at 614-292-3307 (V) or 614-292-0901 (TDD) in room 150 Pomerene Hall to coordinate reasonable accommodations; [http://www.ods.ohio-state.edu/](http://www.ods.ohio-state.edu/). Please make sure that students know they will be expected to follow Americans with Disabilities Act Guidelines for access to technology.

**ACADEMIC MISCONDUCT:**

The Ohio State University's [Code of Student Conduct](http://studentaffairs.osu.edu/resource_csc.asp) defines academic misconduct as: “Any activity that tends to compromise the academic integrity of the University, or subvert the educational process.” Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University’s Code of Student Conduct is never considered an “excuse” for academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University’s Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University. For additional information, see the Code of Student Conduct [http://studentaffairs.osu.edu/resource_csc.asp](http://studentaffairs.osu.edu/resource_csc.asp).

**GRIEVANCES AND SOLVING PROBLEMS:**

According to University Policies, available from the Division of Student Affairs, if you have a problem with this class, “You should seek to resolve a grievance concerning a grade or academic practice by speaking first with the instructor or professor. Then, if necessary, with the department chairperson, college dean, and provost, in that order.”

**STATEMENT ON DIVERSITY:**

The College of Education and Human Ecology affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.
## Tentative Course Schedule, Spring 2013

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Assigned Readings/Quizzes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wed 1/9</td>
<td>Course Overview; Upper Gastrointestinal Tract Disorders: Esophagus</td>
<td>Chapter 28</td>
</tr>
<tr>
<td>1</td>
<td>Fri 1/11</td>
<td>Upper Gastrointestinal Tract Disorders: Stomach</td>
<td>Chapter 28</td>
</tr>
<tr>
<td>2</td>
<td>Wed 1/16</td>
<td>Bariatric Surgery</td>
<td>Chapter 22; pages 479-482 Guest Speaker (Kellie Weinhold RD) Quiz 1 Due (Ch28 Upper GI &amp; Ch22 Bariatric)</td>
</tr>
<tr>
<td>2</td>
<td>Fri 1/18</td>
<td>Lower Gastrointestinal Tract Disorders: Celiac Disease, Gluten Intolerance, Lactose Maldigestion GI Disorder Case Due</td>
<td>Chapter 29</td>
</tr>
<tr>
<td>3</td>
<td>Wed 1/23</td>
<td>Lower Gastrointestinal Tract Disorders: Constipation, Diarrhea, GI infections</td>
<td>Chapter 29</td>
</tr>
<tr>
<td>3</td>
<td>Fri 1/25</td>
<td>Parenteral Nutrition: Indications and Access</td>
<td>Chapter 14; pages 314-321 Guest Speaker (Kristen Rhoda RD) Quiz 2 Due (Ch29 Lower GI &amp; Ch14 TPN)</td>
</tr>
<tr>
<td>4</td>
<td>Wed 1/30</td>
<td>Lower Gastrointestinal Tract Disorders: Inflammatory bowel diseases and intestinal surgeries</td>
<td>Chapter 29</td>
</tr>
<tr>
<td>4</td>
<td>Fri 2/1</td>
<td>Parenteral Nutrition: Solutions, Calculations, Refeeding Syndrome</td>
<td>Chapter 14; pages 314-321 Guest Speaker (Kristen Rhoda RD) Quiz 2 Due (Ch29 Lower GI &amp; Ch14 TPN)</td>
</tr>
<tr>
<td>5</td>
<td>Wed 2/6</td>
<td>Diseases of the Liver</td>
<td>Chapter 30</td>
</tr>
<tr>
<td>5</td>
<td>Fri 2/8</td>
<td>Diseases of the Liver</td>
<td>Chapter 30</td>
</tr>
<tr>
<td>6</td>
<td>Wed 2/13</td>
<td>Gallbladder and Exocrine Pancreas Disorders-parenteral nutrition case due</td>
<td>Chapter 30</td>
</tr>
<tr>
<td>6</td>
<td>Fri 2/15</td>
<td>Exam 1</td>
<td>Quiz 3 Due (Ch30 Hepatobiliary)</td>
</tr>
<tr>
<td>7</td>
<td>Wed 2/20</td>
<td>Food Allergy &amp; Food Intolerances</td>
<td>Chapter 27</td>
</tr>
<tr>
<td>7</td>
<td>Fri 2/22</td>
<td>Food Allergy &amp; Food Intolerances</td>
<td>Chapter 27 Quiz 4 Due (Ch27 Food Allergy)</td>
</tr>
<tr>
<td>8</td>
<td>Wed 2/27</td>
<td>Heart Failure &amp; Transplant</td>
<td>Chapter 34; pages 769-778</td>
</tr>
<tr>
<td>8</td>
<td>Fri 3/1</td>
<td>Pulmonary Disease</td>
<td>Chapter 35</td>
</tr>
<tr>
<td>9</td>
<td>Wed 3/6</td>
<td>Pulmonary Disease</td>
<td>Chapter 35 Quiz 5 Due (Ch34&amp;35 HF &amp; Pulmonary)</td>
</tr>
<tr>
<td>9</td>
<td>Fri 3/8</td>
<td>Pulmonary Disease: Cystic Fibrosis</td>
<td>Chapter 35</td>
</tr>
<tr>
<td>10</td>
<td>Wed 3/13</td>
<td>Spring Break</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Fri 3/15</td>
<td>Spring Break</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Wed 3/20</td>
<td>HIV and AIDS</td>
<td>Chapter 38</td>
</tr>
<tr>
<td>11</td>
<td>Fri 3/22</td>
<td>HIV and AIDS-Pulmonary disorder case due</td>
<td>Chapter 38 Quiz 6 Due (Ch38 HIV)</td>
</tr>
<tr>
<td>12</td>
<td>Wed 3/27</td>
<td>Exam 2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Fri 3/29</td>
<td>Anemia</td>
<td>Guest Speaker (Anne Smith PhD, RD) Chapter 33</td>
</tr>
<tr>
<td>13</td>
<td>Wed 4/3</td>
<td>Renal Disorders</td>
<td>Chapter 36</td>
</tr>
<tr>
<td>13</td>
<td>Fri 4/5</td>
<td>Renal Disorders-Extra Credit Article Summary Due</td>
<td>Chapter 36 Quiz 7 Due (Ch33 Anemia)</td>
</tr>
<tr>
<td>14</td>
<td>Wed 4/10</td>
<td>Renal Disorders</td>
<td>Chapter 36</td>
</tr>
<tr>
<td>14</td>
<td>Fri 4/12</td>
<td>Renal Disorders</td>
<td>Chapter 36 Quiz 8 Due (Ch36 Renal Ds)</td>
</tr>
<tr>
<td>15</td>
<td>Wed 4/17</td>
<td>Metabolic Stress: Sepsis-Renal Disorders Case Due</td>
<td>Chapter 39</td>
</tr>
<tr>
<td>15</td>
<td>Fri 4/19</td>
<td>Metabolic Stress: Burns and Trauma</td>
<td>Chapter 39 Quiz 9 Due (Ch39 Metabolic Stress)</td>
</tr>
<tr>
<td>16</td>
<td>Thurs 4/25</td>
<td>8:00 – 9:45 AM: Exam 3 (Final)</td>
<td></td>
</tr>
</tbody>
</table>