COURSE REQUEST
5622 - Status: PENDING

Term Information

Effective Term 
Spring 2015

General Information

Course Bulletin Listing/Subject Area 
Human Nutrition
Fiscal Unit/Academic Org 
Department of Human Sciences - D1251
College/Academic Group 
Education & Human Ecology
Level/Career 
Graduate, Undergraduate
Course Number/Catalog 
5622
Course Title 
Medical Nutrition Therapy II Lab
Transcript Abbreviation 
Med Nut Ther 2 Lab
Course Description 
Laboratory and practical application of the nutrition care process through assessment, management and treatment of various disease states.
Semester Credit Hours/Units 
Fixed: 1

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 
Laboratory
Grade Roster Component 
Laboratory
Credit Available by Exam 
No
Admission Condition Course 
No
Off Campus 
Never
Campus of Offering 
Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites 
Concurrent w/ 5612
Exclusions 
Enrollment only open to OSU DPD students

Cross-Listings

Cross-Listings

Subject/CIP Code

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

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

**Course Details**

**Course goals or learning objectives/outcomes**

- **Apply the nutrition care process to individuals and groups with various medical diagnoses discussed in Medical Nutrition Therapy (MNT) lecture via simulation, role-playing, group presentations, observations and other methods.**

- **Learning Goal 1:** Demonstrate critical thinking skills to evaluate and interpret MNT core concepts and theories.
  
  Objective: Evaluate current trends and evidence-based literature related to management and treatment of various disease states.

- **Learning Goal 2:** Incorporate various technologies to effectively support professional practice.
  
  Objective: Apply use of internet, social media, nutrition informatics and other technologies to nutrition education and counseling.

- **Learning Goal 3:** Use theory-based health behavior change models for effective nutrition education and counseling.
  
  Objective: Incorporate behavior change intervention(s) to improve effectiveness and efficacy relative to MNT.

- **Learning Goal 4:** Demonstrate the ability to integrate and apply knowledge and skills through experiential learning opportunities.
  
  Objective: Develop appropriate nutrition care plans in various settings and evaluate effectiveness.

- **Learning Goal 5:** Examine the role of interdisciplinary education to elicit more comprehensive patient care and mutual respect among healthcare professionals. Objective: Recognize contributions from IPE and its effects within nutrition care process.

**Content Topic List**

- Upper/Lower GI Disorders,

- Bariatric Surgery,

- Parenteral Nutrition,

- Food Allergies and Intolerances,

- Diseases of Liver/Gallbladder/Exocrine Pancreas Disorders,

- Pulmonary Disease,

- Heart Failure,

- Anemia,

- Renal Disorders,

- Metabolic Stress,

- HIV/AIDS

**Attachments**

- HN5622 Syllabus_MNT Lab Proposal_5-5-14.doc: HN5622 Syllabus Proposal
  
  (Syllabus. Owner: DeMarco,Danielle Alena)
Comments

* requested revision to updated d-org from 1254 to 1251  
  (by Odum,Sarah A. on 06/11/2014 11:02 AM)

* The Dietetics/DPD program sheet is in the process of being updated, and in time, will hopefully reflect this new course that will eventually be required for DPD students. Because there are students enrolled under the old program requirements, we plan to offer the course as an elective until all of these "in between" students have graduated.

Students currently enrolled or planning to enroll in HN5612 will have the option to take the lab component as an elective.  
  (by DeMarco,Danielle Alena on 05/05/2014 09:47 AM)

Workflow Information

<table>
<thead>
<tr>
<th>Status</th>
<th>User(s)</th>
<th>Date/Time</th>
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<td>05/05/2014 09:48 AM</td>
<td>Submitted for Approval</td>
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<tr>
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<td>Buckworth,Janet</td>
<td>05/06/2014 02:09 PM</td>
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<td>Warnick,Bryan R.</td>
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<td>Zircher,Andrew Paul</td>
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</tbody>
</table>
Instructors | Danielle DeMarco, MS,RD,LD  
Office | 262C Campbell Hall  
Phone | 292-0715  
Email | demarco.34@osu.edu  
Office Hours | Unknown

Prerequisites: Admission to OSU DPD; concurrent with HUMN NTR 5612.
Credit Hours: 1 semester credit(s).
Course Description: Laboratory and practical application of the nutrition care process through assessment, management and treatment of various disease states.

Course Objectives/Learning Goals:
Apply the nutrition care process to individuals and groups with various medical diagnoses discussed in Medical Nutrition Therapy (MNT) lecture via simulation, role-playing, group presentations, observations and other methods.

(KRD1.1) Learning Goal 1: Demonstrate critical thinking skills to evaluate and interpret MNT core concepts and theories.
Objective: Evaluate current trends and evidence-based literature related to nutrition management and treatment of various disease states.

(KRD2.1) Learning Goal 2: Incorporate various technologies to effectively support professional practice.
Objective: Apply use of internet, social media, nutrition informatics and other technologies to nutrition education and counseling.

(KRD3.1, 3.2, 3.3) Learning Goal 3: Use theory-based health behavior change models for effective nutrition education and counseling.
Objective: Incorporate behavior change intervention(s) to improve effectiveness and efficacy relative to MNT.

(KRD2.2) Learning Goal 4: Demonstrate the ability to integrate and apply knowledge and skills through experiential learning opportunities.
Objective: Develop appropriate nutrition care plans in various settings and evaluate effectiveness.

(KRD2.3, 4.5) Learning Goal 5: Examine the role of interdisciplinary education to elicit more comprehensive patient care and mutual respect among healthcare professionals.
Objective: Recognize contributions from interdisciplinary education and its effects within the nutrition care process.

Following successful completion of this course, students will be able to:
1. Utilize and interpret appropriate medical terminology.
2. Develop appropriate learning objectives and related content for intended audience.
3. Interpret nutrition assessment information to formulate nutrition care plan for patients with selected medical conditions.
5. Accurately discuss indications for use and calculate enteral and parenteral formulations for patient case scenarios.
6. Understand the value of an interdisciplinary approach to patient care.
7. Observe the role of dietetics practitioners in a variety of settings.
Required Texts:


Recommended Resources:


5. Online resources

Reading Assignments
Several articles will be placed on Carmen which accompany the lab. You are expected to read the article prior to class and be prepared to discuss the findings.

TEACHING METHODS:
Lectures, case studies, animations, readings, online activities, role-playing, simulations, field experiences, observations.

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. Kennel or 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. No written work (case studies, in-class activities, homework) will be accepted late or outside of class, except with a written medical or equivalent excuse.

• Participation in Class Activities: Almost weekly in-class activities will contribute points toward your participation grade. 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.
**GRADING PLAN:**

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<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>(% Final Grade)</th>
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<tr>
<td>Assignments</td>
<td>80</td>
<td>19%</td>
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<tr>
<td>Case Studies</td>
<td>4 x 25 pts each</td>
<td>400</td>
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<tr>
<td>Terminology Quizzes</td>
<td>14 x 10 points each</td>
<td>140</td>
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<tr>
<td>Reflections</td>
<td>3 x 15 points each</td>
<td>45</td>
</tr>
<tr>
<td>Group Project</td>
<td>60</td>
<td>14%</td>
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<tr>
<td><strong>TOTAL POINTS</strong></td>
<td>425</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 2004-2014) 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.

<table>
<thead>
<tr>
<th>Grade %</th>
<th>Grade</th>
<th>Grade %</th>
<th>Grade %</th>
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</thead>
<tbody>
<tr>
<td>A 93-100</td>
<td>A-</td>
<td>90-92</td>
<td>B+</td>
</tr>
<tr>
<td>B 83-86</td>
<td>B-</td>
<td>80-82</td>
<td>C+</td>
</tr>
<tr>
<td>C 73-76</td>
<td>C-</td>
<td>70-72</td>
<td>D+</td>
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<td>D 60-66</td>
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<td>E 59 or less</td>
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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 and corresponding laboratory session** with appropriate **handout(s)** from Carmen. Take **notes** in notebook or on the lecture handout.
2. Read **assigned reading** from the required **textbook** for further understanding of the assigned topics and to **annotate** your notes.
3. Complete the **Medical Terminology Review Quizzes** on Carmen.
4. Organize course 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.

**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** (Section 3335-23-04) 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.

**Recording Lectures or Classroom Activities**

Students who wish to record their classes must first obtain written permission of the instructor. Recorded lectures cannot be distributed, sold or exchanged without the written consent of the professor.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Assigned Readings</th>
<th>In-Class Activities</th>
<th>Assignments</th>
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<tr>
<td>1</td>
<td>1/12/15</td>
<td>Course Overview&lt;br&gt;Upper GI Tract Disorders: Esophagus, Stomach</td>
<td>Ch. 14</td>
<td>Intro to EMR*&lt;br&gt;(pending availability); intro/review ADIME &amp; NCP; review anatomy of UGI, medical terminology; discuss case study&lt;br&gt;Discuss GI Disorder Case Study</td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) Food &amp; Drug Interactions Assn.</td>
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<td>1/19/15</td>
<td>Bariatric Surgery</td>
<td>Ch. 14</td>
<td>EMR activity*&lt;br&gt;(pending availability); review medical terminology; discuss program development for bariatrics, interprofessional approaches, nutrition counseling, expected outcomes; demo pre-/post-op meals&lt;br&gt;<em><strong>IPE guest speakers from Total Health &amp; Wellness</strong></em></td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) Program Development for Bariatric Patient Assn.</td>
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<td>3</td>
<td>1/26/15</td>
<td>Lower GI Disorders: Constipation, Diarrhea, GI Infections, Celiac Dx, Gluten Intolerance, Lactose Maldigestion, IBD, intestinal surgeries</td>
<td>Ch. 15</td>
<td>Review anatomy of lower GI, medical terminology; in-class nutrition counseling &amp; role playing activity; review Evidence Analysis Library</td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) EAL Assn.&lt;br&gt;&lt;br&gt;GI Disorder Case Study Due</td>
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<td>4</td>
<td>2/2/15</td>
<td>Parenteral Nutrition: Indications &amp; Access, Solutions, Calculations, Calculations, Refeeding Syndrome</td>
<td>Ch. 5&lt;br&gt;ASPEN Guidelines</td>
<td>Review medical terminology; EMR activity* w/ sample calculations, formula selections, PN/EN order writing</td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) Ctrs for Medicare/Medicaid &amp; ICD PN/EN Assn.</td>
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<td>5</td>
<td>2/9/15</td>
<td>Food Allergies &amp; Food Intolerances</td>
<td>Pgs 149-170, 175-180</td>
<td>Review medical terminology; therapeutic diet/menu development; food purchasing/prep recommendations for various dx's</td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) Grocery Store Tour Assn&lt;br&gt;&lt;br&gt;Parenteral Nutrition Case Study Due</td>
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<td>6</td>
<td>2/16/15</td>
<td>Diseases of the Liver</td>
<td>Pgs 437-460</td>
<td>Prior Health Sciences Lab: Standardized Patients Simulation Group 1</td>
<td>1) Medical Terminology Quiz <em>(due prior to class)</em>&lt;br&gt;2) Standardized</td>
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<td></td>
<td>Date</td>
<td>Topic</td>
<td>Notes</td>
<td>Review medical terminology; debrief SP’s; begin cirrhosis mini case study</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>7</td>
<td>2/23/15</td>
<td>Gallbladder and Exocrine Pancreas Disorders</td>
<td>Pgs 460-464</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
<td>2) Complete Cirrhosis mini case study</td>
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<td>8</td>
<td>3/1/15</td>
<td>Pulmonary Disease: COPD, Cystic Fibrosis</td>
<td>Ch. 21</td>
<td>Prior Health Sciences Lab: Standardized Patients Simulation Group 2</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>Pulmonary Disease: Pulmonary Rehab</td>
<td>Ch. 21</td>
<td>Review medical terminology; debrief SP’s; discuss group nutr presentations (Nutr Edu video development)</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>3/16/15</td>
<td>Spring Break OFF</td>
<td>N/A</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
<td>2) Cardiac/Pulm Rehab Reflection Paper Pulmonary Case Study Due</td>
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<td>11</td>
<td>3/23/15</td>
<td>Heart Failure</td>
<td>Pgs 322-327</td>
<td>Review medical terminology; Pulm/Cardiac Rehab Observation @ OSU</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>3/30/15</td>
<td>Anemia</td>
<td>Pgs 562-584</td>
<td>Review medical terminology, types of Fe deficiencies; interpretation of lab values</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>13</td>
<td>4/6/15</td>
<td>Renal Disorders</td>
<td>Ch. 18</td>
<td>Review medical terminology, stages of CKD; interpretation of lab values; discuss renal replacement therapy options; in-class nutrition counseling &amp; role playing activity</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>14</td>
<td>4/13/15</td>
<td>Metabolic Stress: Sepsis, Burns &amp; Trauma</td>
<td>Ch. 22</td>
<td>Review medical terminology; goals of MNT; discuss malnutrition &amp; indications for EN/PN; in-class EMR/case study activity</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>4/20/15</td>
<td>HIV &amp; AIDS</td>
<td>Ch. 24</td>
<td>Review medical terminology, MNT &amp; nutrition guidelines, long-term health complications; in-class group presentations</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
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<td>4/29-5/5/15</td>
<td>Final Exams</td>
<td>NO LAB</td>
<td>1) Medical Terminology Quiz (due prior to class)</td>
<td>2) Final Exams NO LAB</td>
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