

**HUN4445 section 1643**  
**Nutrition and Disease – Part I**  
**Fall 2015**

**Instructor**

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**Teaching Assistant**

Kohrine Counts  
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Office Hours: TBA in FSHN 232 (Grad Room)

**Course Location & Meeting Times**

Tuesday and Thursday 5:10-6:00 pm, G086 McCarty B

**Course Description**

Part one of a two-semester sequence that focuses on assessing the nutritional status of individuals and on the biochemical and pathophysiological bases of diseases and conditions that require specialized nutrition support or medical nutrition therapy. Prereq: HUN2201, CHM2211; Coreq: BCH3025 or BCH4024 and APK2015C or PCB4723C. **Credits: 2**

**Required Materials**

- Non-programmable calculator
- Blank paper and/or index cards for Question of the Day quizzes
- Reliable access to the internet, and to e-Learning (Canvas)
  - Canvas will be used for announcements, grade posting, posting class notes for lectures and other information. If you are not familiar with Canvas, please review the website: <http://lss.at.ufl.edu>
- Access to MS Word and MS PowerPoint software

**Course goals/Competencies**

Upon completion of this course, students should be able to:

1. Describe how to conduct a comprehensive nutrition assessment
2. Describe the etiology, symptoms, clinical findings and pathophysiology associated with diseases and conditions covered in this course.
3. Describe the nutritional management of the diseases and conditions covered in this course.
4. Differentiate between enteral and parenteral nutrition; identify appropriate situations for using these feeding modalities; calculate the energy, protein and fluid content of formulas; and make appropriate recommendations with regard to initiation and monitoring of enteral and parenteral solutions.

5. Evaluate the impact of food/nutrient-drug interactions on nutritional status and drug efficacy and recommend appropriate intervention strategies.
6. Discuss reimbursement of nutrition services under various organizational approaches to delivering health care.
7. Describe research designs used in nutrition research and discuss their strengths and limitations and the features that increase confidence that results are valid.

**Recommended Text**

Nelms M, Sucher K, Lacey K. (2016). Nutrition Therapy and Pathophysiology, 3<sup>rd</sup> Edition. Boston, MA: Cengage Learning. ISBN-13: 978-1305111967

**Student Evaluation**

Final grades will be based on “Question of the Day” quizzes, one case study, one research article assignment, three unit exams, and a final examination.

Question of the Day quizzes will be given on most days throughout the semester, and will consist of one question based on material covered in the class prior. These quizzes will be given in the first few minutes of class. Therefore the only way to get credit for these quizzes is to attend class, and to be on time. No make-up quizzes will be allowed.

Exams must be taken as scheduled. Absence from an exam will result in a score of 0 unless there are unavoidable extenuating circumstances that can be documented to the satisfaction of the instructor. Extenuating circumstances include unavoidable unplanned situations such as illness (chart note from physician or clinic); family death (dated obituary); accident (police report); etc.

**Extra credit projects will not be available.**

**Performance indicators**

Question of the Day Quizzes (5 points each)	90
Case Study	40
Research article	20
Exams 1, 2 & 3 @ 100 points each	300
Final exam (3/4 comprehensive + 1/4 new material)	<u>150</u>
Total	600

**Grades are not negotiable and will be assigned according to the following scale:**

560-600	93.34-100%	A	400-419	66.68-69.9%	D+
540-559	90-93.33%	A-	380-399	63.34-66.67%	D
520-539	86.68-89.9%	B+	360-379	60-63.33%	D-
500-519	83.34-86.67%	B	<360	<60%	E
480-499	80-83.33%	B-			
460-479	76.68-79.9%	C+			
440-459	73.34-76.67%	C			
420-439	70-73.33%	C-			

**Grades and Grade Points**

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

### **Absences and Make-Up Work**

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

### **Academic Honesty**

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>.

### **Software Use:**

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

### **Campus Helping Resources**

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

<b>Service</b>	<b>Location</b>	<b>Phone</b>	<b>Web site</b>	<b>Services provided</b>
University Counseling and Wellness Center	3190 Radio Road	352-392-1575	<a href="http://www.counseling.ufl.edu/cwc/">www.counseling.ufl.edu/cwc/</a>	Counseling Services Groups and Workshops Outreach and Consultation Self-Help Library Wellness Coaching
Career Resource Center	First Floor J. Wayne Reitz Union	352-392-1601	<a href="http://www.crc.ufl.edu">www.crc.ufl.edu</a>	Career development assistance and counseling

### **Services for Students with Disabilities**

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the

Instructor when requesting accommodation. Contact information: 0001 Reid Hall, 392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/).

### **Online Course Evaluation Process**

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open for students to complete during the last two or three weeks of the semester; students will be notified of the specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.

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**Reading and Writing Center:** The Reading and Writing Center is committed to helping University of Florida students become better writers and readers. Individual assistance is provided and students of all levels and disciplines are welcome. <http://at.ufl.edu/rwcenter>. Fall hours are M-F 9:00 AM to 5:00 PM. The Center is located in Broward Hall.

**Other Information:** Lecture material and information are the property of the University of Florida and the course instructor and may not be used for any commercial purpose. Students found in violation may be subject to disciplinary action under the University's Student Conduct Code. Only students formally registered for the course are permitted to attend lectures and take quizzes/tests.

**Email:** Students are required to check their email account(s) daily (at least Monday through Friday) and respond to course/program related requests, inquiries, etc. in a timely manner.

**Fall 2015 Class Schedule**

<b>Date</b>	<b>Topic</b>	<b>Assignments Due</b>	<b>Exams and Quizzes</b>
Tuesday August 25	Nutrition Care Process		
Thursday August 27	Nutrition Screening		QOD 1
Tuesday September 1	Anthropometric Assessment		QOD 2
Thursday September 3	Body Composition Assessment		QOD 3
Tuesday September 8	Dietary Assessment		QOD 4
Thursday September 10	Estimating Energy Needs	<b>Research Article Due</b>	QOD 5
Tuesday September 15	Estimating Energy Needs		QOD 6
Thursday September 17	Biochemical and Hematological Assessment		QOD 7
Tuesday September 22	<b>Exam 1</b>		<b>EXAM 1</b>
Thursday September 24	GI Physiology		
Tuesday September 29	Enteral Nutrition		QOD 8
Thursday October 1	Enteral Nutrition		QOD 9
Tuesday October 6	Enteral Nutrition		QOD 10

Thursday October 8	Parenteral Nutrition		QOD 11
Tuesday October 13	Parenteral Nutrition		QOD 12
Thursday October 15	Case Study		
Tuesday October 20	Review for Exam		
Thursday October 22	<b>Exam 2</b>		<b>EXAM 2</b>
Tuesday October 27	Cancer		
Thursday October 29	Cancer		QOD 13
Tuesday November 3	Cancer		QOD 14
Thursday November 5	Critical Care		QOD 15
Tuesday November 10	Critical Care	<b>Case Study Due</b>	QOD 16
Thursday November 12	Review for Exam		
Tuesday November 17	<b>Exam 3</b>		<b>EXAM 3</b>
Thursday November 19	Drug Nutrient Interactions		
Tuesday November 24	<b>NO CLASS</b>		

Thursday November 26	<b>NO CLASS</b>		
Tuesday December 1	HIV/AIDS		QOD 17
Thursday December 3	Clinical Nutrition Special Topics		QOD 18
Tuesday December 8	Review for Final Exam		
Tuesday December 15 12:30-2:30pm	<b>Final Exam, G086 McCarty B</b>		<b>FINAL EXAM</b>