

HUN4445 section 1116 (2 credit)
Nutrition and Disease – Part I
Spring 2016

Instructor

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Walk-in office hours: Monday 1-3 p.m. and Tuesday 3-5 p.m. or by appointment – email Dr. Dahl

Course Location & Meeting Times

Tuesday and Thursday 1:55 to 2:45 p.m., MAEB 0211

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

Course goals/Competencies

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

1. 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. Describe research designs used in nutrition research and discuss their strengths and limitations and the features that increase confidence that results are valid.

Teaching Assistant

Shireen Flores

srflores@ufl.edu

Office hours: TBA

Required Materials

Non-programmable calculator

Access to MS Word and MS Powerpoint software

HUN 4445 uses Canvas for announcements, grade posting, posting class notes for lectures and other information. If you are not familiar with Canvas, you should review the website:

<http://lss.at.ufl.edu>

Recommended Text

Nelms M, Sucher KP & Lacey K. Nutrition Therapy and Pathophysiology 3rd Ed. Cengage Learning. 2016

Student Evaluation

Three Canvas quizzes (the lowest score will be dropped), three examinations, a research article assignment and a final examination will be used to evaluate student performance. Quizzes will be announced in class and will be available for 24 hours. No make-up quizzes are scheduled. 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 my satisfaction. Extenuating circumstances include unavoidable unplanned situations such as illness (chart note from physician or clinic; vague notes such as “was seen” are not acceptable) family death (dated obituary); accident (police report); etc. One original research article with the study design identified will be handed in during class. **Extra credit projects will not be available.**

Performance indicators

2 Canvas online quizzes (highest 2 of 3 quizzes)	40
Research article	10
Exams 1, 2 & 3 @ 100 points each	300
Final exam (3/4 comprehensive + 1/4 new material)	<u>150</u>
Total	500

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

467-500	93.34-100%	A	333-349	66.68-69.9%	D+
450-466	90-93.33%	A-	316-332	63.34-66.67%	D
433-449	86.68-89.9%	B+	300-315	60-63.33%	D-
417-432	83.34-86.67%	B	<300	<60%	E
400-416	80-83.33%	B-			
383-399	76.68-79.9%	C+			
367-382	73.34-76.67%	C			
350-366	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>

Attendance 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>.

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>.

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/process/student-conduct-honor-code>.

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.

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 0001 Reid Hall, 352-392-8565, www.dso.ufl.edu/drc/

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.

- University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575
www.counseling.ufl.edu/cwc/
Counseling Services
Groups and Workshops
Outreach and Consultation
Self-Help Library
Wellness Coaching
- U Matter We Care, www.umatter.ufl.edu/
- Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/

Spring 2016 Class Schedule

Date	Topic	Textbook Readings
January 5	Nutrition Care Process	Nelms 2016: pp 17-32
January 7	Nutrition Screening	Nelms 2016: pp 36-41
January 12	Anthropometric Assessment	Nelms 2016: pp 49-52
January 14	Body Composition Assessment	Nelms 2016: pp 52-56, 255-259
January 19	Dietary Assessment	Nelms 2016: pp 41-49
January 21	Estimating Energy Needs	Nelms 2016: pp 62-67, 250-254
January 26	Protein & Fluid Needs; Biochemical & Hematological Assessment	Nelms 2016: pp 56-61, 130
January 28	Case Study 1 – International	
February 2	Exam 1	
February 4	GI Physiology and disease – upper	Nelms 2016: pp 342-373,
February 9	GI Physiology and disease – lower	Nelms 2016: 379-404, 424-429
February 11	GI Physiology and disease – lower	
February 16	Enteral Nutrition	Nelms 2016: pp 90-103
February 18	Enteral Nutrition	
February 23	Enteral Nutrition	
February 25	Parenteral Nutrition	Nelms 2016: pp 103-111
March 1	Spring Break – no class	
March 3	Spring Break – no class	
March 8	Parenteral Nutrition	
March 10	Case Study 2	
March 15	Exam 2	
March 17	Cancer	Nelms 2016: pp 686-698
March 22	Cancer Therapy	Nelms 2016: pp 698-706
March 24	Critical Care	Nelms 2016: pp 667-681
March 29	Critical Care	
March 31	Case Study 3/Review	
April 5	Exam 3	
April 7	Drug-Nutrient Interactions	Nelms 2016: pp 217-239
April 12	Interpreting Nutrition Research	
April 14	HIV/AIDS	Nelms 2016: pp 711-729
April 19	Honor's presentations/Review Case	Research Assignment Due
April 28 3-5 p.m.	Final Exam	