

DIE 4246
MEDICAL NUTRITION THERAPY APPLICATIONS - PART 2
SPRING 2014 – Sections 0152 & 2757

Instructor: Gail P. A. Kauwell, PhD, RD, LDN
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Office hours: Wednesday 12:30 – 2:30 PM by appointment

Thursday 1:30-3:00 PM (walk-in)

*Call Mindy Edwards at 392-1991 ext 220 to schedule an appointment. If you cannot make my regularly scheduled or walk-in office hours, you may e-mail me or call me directly to schedule an appointment.

Teaching Assistant: Michelle Brown
Email: mbrown823@ufl.edu
Office hours: Monday 9:00-11:00 AM
Location: 265 FSHN Building

Class Meeting Time
(All students): Tuesday 3:00 - 4:55 PM
Class Location: G108 McCarty Hall B
 Section 0152 Dietetics Lab: Wednesday 8:30 am
 Section 2757 Dietetics Lab: Wednesday 9:35 am
Attendance: Required
Credits: 3

Course Description: Part 2 of a two-semester sequence that focuses on attainment of knowledge to make nutrition diagnoses, to develop and implement effective nutrition intervention strategies and to identify appropriate monitoring and evaluation plans for patients with common chronic diseases and disorders. Information learned in HUN 4446 will be integrated into class lectures, discussions, activities, assignments and quizzes. Prerequisites: HUN 4445, DIE 4245C, APK 2105 or PCB 4723C; senior standing. Corequisite: HUN 4446. Dietetics students only.

Course Goals: Upon completion of this two-semester course sequence, students should be able to:

1. Comprehend and use medical terminology and medical abbreviations in oral and written communications.
2. Apply the Nutrition Care Process by performing nutrition assessment, nutrition diagnosis, developing nutrition interventions and identifying appropriate monitoring and evaluation indicators.
3. Evaluate the nutritional status of simulated patients based on medical, social, physical, dietary, anthropometric, pharmacologic and laboratory data.
4. Write appropriate chart notes for simulated patients/clients using standardized language for the nutrition care process.
5. Develop appropriate nutrition prescriptions for individuals with special needs due to acute/chronic illnesses or other medical/physical conditions.
6. Construct/calculate appropriate diets for simulated patients/clients based on an assessment of their medical, nutritional and health status.
7. Develop skills in using an evidence-based approach to dietetics practice.

Student Learning Outcomes: Activities in this course are designed to contribute toward meeting core knowledge statements for the RD/RDN as defined by the Accreditation Council for Education in Nutrition and Dietetics:

- KR1D 1.1: 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. (Examples of evidence-based guidelines and protocols include the Academy's Evidence Analysis Library and Evidence-based Nutrition Practice Guidelines, the Cochrane Database of Systematic Reviews and the U.S. Department of Health and Human Services, Agency for Healthcare Research and Quality, National Guideline Clearinghouse Web sites.)*
- KR1D 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.*
KR1D 2.3: The curriculum must include opportunities to understand governance of dietetics practice, such as the Scope of Dietetics Practice and the Code of Ethics for the Profession of Dietetics; and interdisciplinary relationships in various practice settings. *Students must be able to apply professional guidelines to a practice scenario. Students must be able to identify and describe the roles of others with whom the registered dietitian collaborates in the delivery of food and nutrition services.*
- KR1D 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 evaluation. *Students must be able to use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions.*
- KR1D 4.5: The curriculum must include content related to coding and billing of dietetics/nutrition services to obtain reimbursement for services from public or private insurers

Required Materials:

- *Medical Terminology*. 5th ed. Fremgen BF & Frucht SS, Prentice Hall, 2013.
- DIE 4246 Course Notes Supplement available at: Target Copy 1412 West University Avenue, Gainesville, FL or via e-Learning in Sakai.
- Course information and materials posted on e-Learning in Sakai (see below for access information).
- Calculator with basic functions (programmable calculators, personal data assistants (PDAs), cell phones with calculators/PDA functions are **NOT** acceptable for use when taking quizzes or tests).
- Self-developed Medical Nutrition Reference Handbook (from DIE 4245). You will need to update your handbook and use your handbook in class.
- Access to the AND Evidence Analysis Library, which requires membership in AND.
- Academy of Nutrition and Dietetics. *International Dietetics & Nutrition Terminology Reference Manual: Standardized Language for the Nutrition Care Process*, (4th Ed) Chicago, IL: Academy of Nutrition and Dietetics. This reference is something that may be required for your internship. Student members of the Academy can purchase this reference at a reduced price (\$20.00) by contacting AND Member Service Center at 800-877-1600 or sales@eatright.org.

Recommended Materials:

- *Nutrition Therapy and Pathophysiology*, (2nd ed) Nelms, Sucher, Lacey and Long, 2011.

How to Access e-Learning in Sakai:

- Access requires a Gatorlink account. If you need to establish a Gatorlink account, go to <http://www.gatorlink.ufl.edu/>.
- Once you have created a Gatorlink account, access e-Learning Support Services homepage at <http://lss.at.ufl.edu>. Select "e-Learning Login". Log in using your Gatorlink ID. DIE 4246 should be listed under "My Workspace". If you are unfamiliar with e-Learning in Sakai, select "Student Tutorials & FAQs from the menu.

Student Preparation for Class: Students are expected to use a self-instructional approach to learn medical terminology and abbreviations. The medical terminology textbook selected for this course is designed for self-instructional use. Students are expected to complete reading assignments in advance.

Class preparation may require use of the Internet, library and/or other reference materials. Students are expected to bring course notes and materials printed from Sakai to class and to contribute to class discussions.

Class Attendance and Demeanor: Students are expected to attend all classes and lab sessions, to arrive on time and to leave when dismissed by the instructor. Students who attend the whole class/lab period are eligible for bonus points as described under the “Student Evaluation” section of this syllabus. Students are expected to show courtesy to their classmates and instructor by turning cell phones off before the class period begins and refraining from engaging in personal conversations during class.

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>. (See below for more details.)

Evaluation of Student Performance/ 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>.

The following will be used as the basis for student evaluation: 5 medical terminology quizzes (the lowest quiz grade will be dropped; failure to take a quiz, except as noted below, will result in a grade of zero); 2 tests; approximately 11-13 worksheets/assignments; and a group case study project with peer evaluations. Medical terminology quizzes and tests must be taken during class on the scheduled dates. Absence from a quiz, test, or “in class/lab worksheet” will result in a score of “0” unless there are unavoidable extenuating circumstances (subject to my discretion) that can be documented to my satisfaction. Extenuating circumstances include unavoidable, unplanned situations such as an illness (note from physician or clinic; vague notes such as “was seen” are not acceptable); family death (dated obituary); accident (police report); etc.

The group case study assignment has **multiple due dates** throughout the semester. Detailed information about the assignment and the assignment due dates are posted on e-Learning in Sakai. Failure to meet the due dates for the case study assignments (see case study assignment for details) will result in a grade of “0”. Detailed information for completing the group case study is located in the course notes packet.

Bonus points will be offered at the discretion of the instructor and will be awarded to students who respond correctly to the question(s) asked during class; submit their answer(s) on forms/index cards provided by the instructor; and print their first and last names legibly across the top of the card. Submitting cards for anyone other than yourself will result in forfeiture of all previous and future bonus points for you and the other person(s) involved. Bonus points also may be awarded based on satisfactory completion of exercises completed in class/lab. Extra credit projects will **NOT** be available.

Performance Indicators	Points
Medical Terminology Quizzes 5 @ 25 points each (drop lowest quiz grade)	100
Tests (2 tests; total points: 150; points will not necessarily be equally distributed between the tests; you will need your Medical Nutrition Reference Handbook, i.e., black book, for one section of Test 2)	150
Worksheets/Assignments (completed as homework or in class/lab; examples include: mini-case studies, ADIME notes, diet planning activities, etc; point values vary)	170
Group Case Study (120 pts for case; 10 points for team member evaluation)	130
Total	550

Grading Scale

A = 513-550 93.34-100%	A- = 495-512 90-93.33%	B+ = 477-494 86.68-89.9%	B = 458-476 83.34-86.67%	B- = 440-457 80-83.33%
C+ = 422-439 76.68-79.9%	C = 403-421 73.34-76.67%	C- = 385-402 70-73.33%	D+ = 367-384 66.68-69.9%	D = 348-366 63.34-66.67%
D- = 330-347 60-63.33%	E = <330 <60%			

Grades will be posted on e-Learning in Sakai. Grades are not curved and are not negotiable.

Supplementary Information: Supplementary information, announcements, reminders, etc will be posted on e-Learning in Sakai <http://lss.at.ufl.edu> or will be sent via the course listserv.

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.

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/

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.

Service	Location	Phone	Web site	Services provided
University Counseling and Wellness Center	3190 Radio Road	352-392-1575	www.counseling.ufl.edu/cwc/	<ul style="list-style-type: none"> ▪ 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	www.crc.ufl.edu	Career development assistance and counseling

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.

DIE 4246 - TENTATIVE CLASS AND TEST/QUIZ SCHEDULE*
Spring 2014

Class Date	Topic (2 hr class)	Reading Assignment**	Lab Date	Activity/Topic (1 hr lab)
Jan 7	Review Course Syllabus The Exchange System: Calculating and Planning Calorie, CHO, Protein and Fat-Controlled Meal Plans	<i>Choose Your Foods: Exchange Lists for Diabetes; Learn food exchanges</i>	Jan 8	Exchange System: Calculating and Planning Calorie, CHO, Protein and Fat-Controlled Meal Plans (cont'd)
Jan 14	MT Quiz 1 Routine and Transitional Diets	Diet Manual pages	Jan 15	Routine and Transitional Diets Activity
Jan 21	MT Quiz 2 Nutrition Care Process/ADIME	International Dietetics and Nutrition Terminology	Jan 22	Exchange List Bingo
Jan 28	Dysphagia Assessment and Management Dr. Crary (or colleague) Dysphagia ADIME (cont'd)	Articles on reserve/e-Learning in Sakai; Diet Manual pages	Jan 29	Dysphagia Diet Activity
Feb 4	Nutritional Care of Patients with Diseases of the Upper GI Tract: Post-gastrectomy Case Study and Diet Activity	Diet Manual pages on Post-Gastrectomy Diet Chap 14 – <i>Nutrition Therapy and Pathophysiology</i>	Feb 5	Post-gastrectomy Case Study and Diet Activity
Feb 11	MT Quiz 3 Nutritional Care of Patients with Diseases of the Lower GI Tract	Articles on reserve/e-Learning in Sakai; Diet Manual pages Chap 15 – <i>Nutrition Therapy and Pathophysiology</i>	Feb 12	Celiac Disease Case Study and Gluten-free Diet Activities
Feb 18	MT Quiz 4 Adaptive Feeding and Food Preparation: Tools and Techniques Worksheet		Feb 19	Adaptive Feeding and Food Preparation: Tools and Techniques Activity
Feb 25	Test 1		Feb 26	Gluten Testing Lab
Mar 4	No class-spring break		Mar 5	No class-spring break
Mar 11	Evaluating Laboratory Data		Mar 12	Interpretation of Laboratory Values Case Studies

Class Date	Topic (2 hr class)	Reading Assignment**	Lab Date	Activity/Topic (1 hr lab)
Mar 18	Diabetes Mellitus: Case Study and Carbohydrate Counting Coding and Billing	Booklet: Count Your Carbs: Getting Started Chap 17 – <i>Nutrition Therapy and Pathophysiology</i>	Mar 19	Diabetes Case Study and CHO Counting (cont'd)
Mar 25	MT Quiz 5 Diabetes Mellitus: Case Study Pattern Management Coding and Billing (cont'd)	Booklet: Match Your Insulin to Your Carbs Chap 17 – <i>Nutrition Therapy and Pathophysiology</i>	Mar 26	“Sticks and Pricks” Activity
Apr 1	Sodium Modified Diets & Activity	Diet Manual pages Chap 18 - <i>Nutrition Therapy and Pathophysiology</i>	Apr 2	Blood Lipid Analysis – Room 227 FSHN (sign up for times; details will be provided in class)
Apr 8	Nutritional Care in Kidney Disease Kidney Disease Case Study	Diet Manual pages Chap 18 - <i>Nutrition Therapy and Pathophysiology</i>	Apr 9	Kidney Disease Diet Activity
Apr 15	Kidney Disease Case Study (cont'd)		Apr 16	Blood Pressure & Vital Signs
Apr 22	Test 2		Apr 23	No lab
NO Final Exam				

* Subject to change.

** Please complete these readings prior to coming to class. Additional reading assignments may be announced during the semester. (Note: Readings in *Nutrition Therapy and Pathophysiology* will be helpful to your understanding and preparation for class and as part of your preparation for a dietetic internship.)

Medical Terminology Quizzes (5th Edition)

Quiz 1: What you need to know (Chapter 8: Digestion)	Page(s)
Combining Forms	256
Suffixes	256
Word parts used to build digestive system terms: Combining forms, suffixes, prefixes, and anatomical terms	266-268
Pathology	268-276
Diagnostic Procedures	276-278
Therapeutic Procedures	279-281
Abbreviations	282

Quiz 2: What you need to know (Chapter 11: Endocrinology)	Page(s)
Combining Forms	378
Suffixes	378
Word parts used to build endocrine system terms: Combining forms, suffixes, prefixes, and anatomical terms	388-389
Pathology	390-395
Diagnostic Procedures	395-396
Therapeutic Procedures	396-397
Pharmacology	397-398
Abbreviations	398

Quiz 3: What you need to know (Chapter 9: Urinary System)	Page(s)
Combining Forms	296
Suffixes	296
Word parts used to build urinary system terms: Combining forms, suffixes, prefixes, and anatomical terms	304-305
Pathology	305-310
Diagnostic Procedures	310-312
Therapeutic Procedures	312-315
Abbreviations	316

Quiz 4: What you need to know (Chapter 5: Cardiovascular System)	Page(s)
Combining Forms	138
Suffixes	138
Word parts used to build cardiovascular system terms: Combining forms, suffixes, prefixes, and anatomical terms	151-152
Pathology	152-158
Diagnostic Procedures	159-160
Therapeutic Procedures	161-163
Pharmacology	163-164
Abbreviations	164-165

Quiz information continued on next page.

Quiz 5: What you need to know (Chapter 4: Musculoskeletal Sys. & Chapter 10: Reproductive Sys.)	Page(s)
Combining Forms (Section I) ; Combining Forms (Section II)	84, 111
Suffixes (Section I); Suffixes (Section II)	84, 111
Prefixes	111
Muscle Actions (Table 4.5)	116-118
Word parts used to build skeletal/muscular system terms: Combining forms, suffixes, prefixes, and anatomical terms	97-99/119
Pathology; Pathology	99-106, 120-122
Combining Forms	330
Suffixes	330
Word parts used to build female reproductive system terms: Combining forms, suffixes, prefixes, anatomical terms, and pregnancy terms	339-341
Pathology	342-346
Diagnostic Procedures	347-348
Therapeutic Procedures	349-350
Pharmacology	351
Combining Forms	352
Suffixes	352
Word parts used to build male reproductive system terms: Combining forms, suffixes, prefixes, and anatomical terms	356-357
Pathology	358-360
Diagnostic Procedures	360
Therapeutic Procedures	361-362
Pharmacology	362

Medical Terminology Quizzes (4th Edition)

Quiz 1: What you need to know (Chapter 8: Digestion)	Page(s)
Combining Forms	242
Suffixes	242
Word Building	252-254
Vocabulary	254-255
Pathology	256-260
Diagnostic Procedures	260-262
Therapeutic Procedures	262-263
Abbreviations	264

Quiz 2: What you need to know (Chapter 11: Endocrinology)	Page(s)
Combining Forms	356
Suffixes	356
Word Building	366-368
Vocabulary	368
Pathology	369-371
Diagnostic Procedures	371-372
Therapeutic Procedures	372
Pharmacology	373
Abbreviations	373

Quiz 3: What you need to know (Chapter 9: Urinary System)	Page(s)
Combining Forms	280
Suffixes	280
Word Building	288-290
Vocabulary	290-291
Pathology	291-293
Diagnostic Procedures	293-294
Therapeutic Procedures	294-296
Abbreviations	297

Quiz 4: What you need to know (Chapter 5: Cardiovascular System)	Page(s)
Combining Forms	130
Suffixes	130
Word Building	141-143
Vocabulary	143-144
Pathology	144-148
Diagnostic Procedures	148-149
Therapeutic Procedures	150-151
Pharmacology	151-152
Abbreviations	152

Quiz 5: What you need to know (Chapter 4: Musculoskeletal Sys. & Chapter 10: Reproductive Sys.)	Page(s)
Combining Forms (Section I) ; Combining Forms (Section II)	80, 103
Suffixes (Section I); Suffixes (Section II)	80, 103
Prefixes	103
Muscle Actions (Table 4.5)	108-109
Word Building; Word Building	93, 110
Building Adjective Forms of Bone Names	94
Vocabulary; Vocabulary	95-96, 111
Pathology; Pathology	96-99, 111
Combining Forms	312
Suffixes	312
Word Building	321-323
Vocabulary	323-324
Pathology	324-327
Diagnostic Procedures	327-328
Therapeutic Procedures	328-329
Pharmacology	329
Combining Forms	331
Suffixes	331
Word Building	335-336
Pathology	336-338
Diagnostic Procedures	338
Therapeutic Procedures	338-339
Pharmacology	340