Course Overview

Nutr 407 is designed to provide students with an understanding of the pathophysiology of selected diseases and the related components of the nutritional care process (NCP). The course will emphasize use of critical thinking skills, and knowledge of nutrition, pathophysiology and assessment principles to determine the nutritional risks, overall nutritional status and appropriate medical nutrition therapy (MNT) for individuals with chronic disease. Nutr 407 case studies will complement Nutr 406 lectures and will begin with applied studies involving nutrition assessment followed by a focus on nutritional diagnosis and intervention in varied disease states.

Enrollment Information

Course Prerequisites:
- DPD status
- Completion of Nutr 302, 302L and Nutr 406 (or taking Nutr 406 concurrently)
- Upper division major status.

Course Materials

Required:


3. eNCPT (Nutrition Care Process Terminology) Order from: http://ncpt.webauthor.com

Optional: A medical dictionary

Note: Required Course Materials for Nutr 407 are consistent with those used in Nutr 406, 408, and 409.
Learning Goal 1. Demonstrate core critical thinking skills and dispositions to ask and answer questions relevant to nutritional science.

Objective 1.2: Evaluate alternative solutions to a discipline-based problem.
Objective 1.4: Critically evaluate current trends and practices using disciplinary knowledge.
Objective 1.5: Actively seek out discipline-based questions as opportunities to apply core critical thinking skills.

Evaluation by: Written case studies

Learning Goal 5. Demonstrate ethical decision making, cultural competency, and civic responsibility when applying knowledge of nutritional science.

Objective 5.1: Identify the components of ethical decision making and cultural competency applied to MNT.

Evaluation by: Written case studies

Learning Goal 6. Use biological, behavioral, psychosocial, and ecological theory-based perspectives to design and evaluate behavior change interventions in nutritional science.

Objective 6.2: Describe the biological, psychological, social, and environmental correlates and determinants of behavior change relevant to nutrition and diet.
Objective 6.4: Evaluate the efficacy and effectiveness of behavior change interventions in nutritional science.

Evaluation by: Written case studies

Core Knowledge for the RD:

KRD 1.1 The curriculum must reflect the scientific basis of the dietetic profession and must include research methodology, interpretation of research literature and integration of research principles into evidence-based practice.
KRD 2.1 The curriculum must include opportunities to develop a variety of communications skills sufficient for entry into pre-professional practice.
KRD 3.1 The curriculum must reflect the principles of Medical Nutrition Therapy and the practice of the nutrition care process, including the principles and methods of assessment, diagnosis, identification and implementation of interventions and strategies for monitoring and evaluation.
KRD 3.2 The curriculum must include the role of environment, food, nutrition and lifestyle choices in health promotion and disease prevention.
KRD 4.5 The curriculum must include content related to coding and billing of dietetic/nutrition services to obtain reimbursement for service from public or private insurers.
KRD 5.2 The physical and biological science foundation of dietetics profession must be evident in the curriculum.
Course Structure and Conduct

**Attendance:** Class attendance is mandatory. As this is an activity/application course, attendance and participation is paramount to your learning. In-class activities and assignments will be an integral part of the coursework. Credit for any in-class work will only be given to students in attendance during the class period. No make-up work will be given (except in the case of documented illness or emergency situations). NOTE: Travel is NOT considered an emergency situation. Make-up work will NOT be given because of travel planned during the course or during finals week.

**Course Decorum:** Students are expected to arrive to class prior to the class hour and be prepared to start at the scheduled time. Students will be responsible for having all materials needed for doing activities (textbooks, calculator, pencils, paper). Computers may be used for reference course materials and taking notes.

Course Assessment and Grading

**Course Evaluation:** Grades will be derived from class participation, case studies, practice assignments, and an independent project. The top 10 grades for case studies will be used in the calculation of the final grade. No extra credit work will be given.

**Course Project:** During the course, you will be assigned a topic for an independent, MNT course project. This project will provide you with the opportunity to utilize knowledge and skills of nutrition and MNT and to develop a comprehensive care plan for a given patient. Detailed oral and written instructions will be provided to you in class. The project is to be done individually and outside of class time.

**Course Points:**
- Case Studies/Assignments: 200 pts.
- MNT project: 100 pts*
- Total Course Points: 300 pts.

Grading will be as follows:

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<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>92 - 100 %</td>
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<tr>
<td>A-</td>
<td>89 – 91 %</td>
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<td>B+</td>
<td>87 – 88 %</td>
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<tr>
<td>B</td>
<td>82 - 86 %</td>
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<td>B-</td>
<td>79 - 81 %</td>
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<td>C+</td>
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<td>C</td>
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<td>D-</td>
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**Date** | **Topic** | **Case/Assignment** | **Required Reading**
---|---|---|---
9/1-2 | Intro to MNT |  | 407 Syllabus
9/8-9 | Terminology/abbreviations | Nelms Appendices A-C | Krause Appendices 1,22
9/15-16 | Assessment | Nelms #3 | Krause 2,3,4,7,8
9/22-23 | Documentation | Nelms #3 | Krause 10
9/29-30 | EN Calculations | Worksheets | Krause 13 + Appendix 24
10/6-7 | PN Calculations | Worksheets | Krause 13 + Appendix 25
10/13-14 | Weight Management | Nelms #2 | Krause 21
10/20-21 | Upper GI Disorders | Nelms #9 | Krause 27
10/27-28 | Lower GI Disorders | Nelms #12 | Krause 28
11/3-4 | Diabetes | Nelms #18 | Krause 30 + Appendix 27
11/10-11* | Project Questions | See Blackboard | *Veteran’s Day-no class
11/17-18 | Cardiovascular Disease | Nelms #5 | Krause 33 + Appendix 26
11/24-25 | Thanksgiving Break |  |  
12/1-2 | Pulmonary | Nelms #27 | Krause 34
12/13-14 | Final-RD practice exam |  | *Final Project Due
Students with Disabilities

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact Student Disability Services at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact Student Disability Services as soon as possible. Please note that accommodations are not retroactive, and that accommodations based upon disability cannot be provided until you have presented your instructor with an accommodation letter from Student Disability Services. Your cooperation is appreciated.

Academic Honesty

The University adheres to a strict policy regarding cheating and plagiarism. These activities will not be tolerated in this class. Become familiar with the policy (http://www.sa.sdsu.edu/srr/conduct1.html). Any cheating or plagiarism will result in failing this class and a disciplinary review by Student Affairs.

Examples of Plagiarism include but are not limited to:

- Using sources verbatim or paraphrasing without giving proper attribution (this can include phrases, sentences, paragraphs and/or pages of work)
- Copying and pasting work from an online or offline source directly and calling it your own
- Using information you find from an online or offline source without giving the author credit
- Replacing words or phrases from another source and inserting your own words or phrases
- Submitting a piece of work you did for one class to another class

If you have questions on what is plagiarism, please consult the policy (http://www.sa.sdsu.edu/srr/conduct1.html) and this helpful guide from the Library: (http://infodome.sdsu.edu/infolit/exploratorium/Standard_5/plagiarism.pdf)