



COLLEGE of SOCIAL AND APPLIED HUMAN SCIENCES

DEPARTMENT OF FAMILY RELATIONS
AND APPLIED NUTRITION

NUTR*4040 Clinical Nutrition II

COURSE OUTLINE – FALL 2018

1. CALENDAR DESCRIPTION

This course is a continuation of [NUTR*3090](#). This lecture based course is concerned with the application of nutrition to clinical conditions. Methods and content of medical nutrition therapy in prevention and treatment of gastrointestinal, renal, hepatic diseases and catabolic states will be emphasized. Ethical issues in nutrition management of disease and health professional practice will be addressed.

Credit Weight: 0.5 credits

Course Hours: 3-0 (36 lecture; 0 lab/seminar)

Pre-Requisite(s): NUTR*3090 Clinical Nutrition I, plus 1 of BIOM*2000 (Concepts in Human Physiology) OR BIOM*3100 (Mammalian Physiology I) OR BIOM*3110 (Mammalian Physiology II) OR BIOM*3200 (Mammalian Physiology)

Co-Requisites(s): none

Restriction(s): Registration in the B.A.Sc. AHN major

2. COURSE DESCRIPTION

NUTR*4040 is a continuation of NUTR*3090. This lecture and case study based course focuses on the role of nutrition in the management and/or treatment of various diseases and conditions. Nutritional support (enteral and parenteral) and methods and mechanisms of medical nutrition therapy in catabolic, renal and gastrointestinal conditions will be emphasized. Cancer, Cystic Fibrosis and hepatic and neurological conditions will also be covered, as will ethical and professional issues in dietetic practice.

3. TIMETABLE

Lecture: Tuesdays and Thursdays 1:00-2:20PM

Location: ANNU 156

Final Exam: TBA

4. INSTRUCTIONAL SUPPORT

Course Instructor: Dr. Laura Forbes

Email: forbesl@uoguelph.ca

Telephone: 519-824-4120 ext. 52544

Office: MACS 326

Office Hours: Tuesdays 12-12:45pm and by appointment

Teaching Assistant: TBA

Email:

Office:

Office Hours: By Appointment

5. LEARNING RESOURCES

Required Resource(s):

Course notes: A printed version is available from the bookstore> Notes are also free for download from CourseLink

Recommended Resource(s):

The same textbook recommended for Clinical Nutrition I:

Mahan, Escott-Stump, Raymond. Krause's Food and the Nutrition Care Process. 13th or 14th edition. Elsevier Saunders, St. Louis Missouri, 2012.

Other Free or Optional Resources:

1. You will find the following resources in CourseLink; click on "Content" (on the navbar at the top) and then "Online Readings and Resources":
 - Abbott Nutrition. Adult Nutritional Products Guide. 2011.
 - Health Canada. Nutrient Value of Some Common Foods. 2008.
 - Steinecke R and College of Dietitians of Ontario. The Jurisprudence Handbook for Dietitians in Ontario. College of Dietitians of Ontario. Web edition, 2015.
2. Online Access to the Academy of Nutrition and Dietetics' Nutrition Care Manual (free to University of Guelph AHN students!). You can access this without a password if you are on campus and navigate to it through the library website. Alternatively, cut and paste the following url into your browser: <http://www.nutritioncaremanual.org/>

Username: lday@uoguelph.ca (this is lower case LDAY)

Password: uoguelph

There is a limit of 5 users at any one time, so occasionally you may get a message that you can't get in because the 'seats' are full. It hasn't been an issue in the past, but if it does happen, wait a few moments and then try again.

3. Optional: Book about Medication and Food Interactions:
Pronsky ZM, Crowe JP, Elbe D, Epstein S, Roberts W, Young VSL, Ayoob K.
Food Medication Interactions. Lists many medications, nutritionally-relevant side effects, interactions, effects on lab values, etc.
<http://www.foodmedinteractions.com/>

On Reserve at the Library

Gibson RS. Principles of Nutritional Assessment, 2nd ed. New York: Oxford University Press, 2005.

Mahan, Escott-Stump, Raymond. Krause's Food and the Nutrition Care Process. 13th or 14th edition. Elsevier Saunders, St. Louis Missouri, 2012.

Nelms M, Sucher K, Lacey K, Long Roth S. Nutrition Therapy and Pathophysiology. 2nd edition. Wadsworth, Cengage Learning. Belmont CA, 2011.

6. LEARNING OUTCOMES

At the completion of the course, successful students will be able to:

1. Create Nutrition Care Plans for patients with various conditions by A. conducting nutrition assessments, B. making nutrition diagnoses, C. planning and executing nutrition interventions (diet prescriptions, counselling or nutrition education), and D. monitoring and evaluating progress.
2. Summarize the background, etiology, pathophysiology, medical management, nutrition implications and nutrition management of various conditions including metabolic stress, chronic renal disease, selected upper and lower gastrointestinal conditions, cancer, hepatic diseases, Cystic Fibrosis and Alzheimer's Disease.
3. Demonstrate broad knowledge of common medications (classifications, modes of action, side effects, drug-nutrient interactions) prescribed to patients with the conditions outlined in #2 above.
4. Demonstrate productive teamwork and communication skills.
5. Identify and explain common issues related to professional and ethical practice of dietetics including knowledge of regulatory requirements relevant to the profession.

7. TEACHING AND LEARNING ACTIVITIES

Week	Topics	Assigned Readings	Due Dates
1	Welcome, course overview, learning outcomes and the Nutrition Care Process	Course Outline Notes Chp 1-4	
2	Nutrition Support: <i>Oral and Enteral</i> Assign case study teams	Notes Chp 5 Krause Chp 14	
3	Nutrition Support: <i>Parenteral</i> Debrief enteral nutrition practice case	Notes Chp 6 Krause Chp 14	Complete Enteral Practice Case by Sept 20 th
4	Metabolic Stress	Notes Chp 7 Krause Chp 39	
5	Metabolic Stress Renal Disease	Notes Chp 8 Krause Chp 36	Metabolic stress case and Self/Peer Assessments due at 4pm on Fri Oct. 5 th

Week	Topics	Assigned Readings	Due Dates
6	Renal Disease	Notes Chp 8 Krause Chp 36	
7	Renal Disease Debrief Metabolic Stress Case	Notes Chp 8 Krause Chp 36	
8	Upper GI Lower GI Debrief Renal Case	Notes Chp 9 and 10 Krause Chp 28 and 29, dysphagia p 929-933.	Renal case and Self/Peer Assessments due at 4pm on Wed. Oct. 24th
9	Midterm Exam! Lower GI	Notes Chp 10 Krause Chp 29	Midterm exam in class on Oct. 30
10	Cancer Midterm Debrief	Notes Chp 11 Krause Chp 37	Upper GI or lower GI case (choose only one) and Self/Peer Assessments due at 4pm on Fri Nov. 9th
11	Cancer Hepatic Diseases	Notes Chp 12 Krause Chp 30	Chart Note Assignment. Optional early submission for feedback due Nov. 13th at 4pm
12	Cystic Fibrosis Debrief GI Case Alzheimer's Disease	Notes Chp 13, 14 Krause p 790-794 and p 939-942	
13	Dietetic Practice Debrief Cancer Case Exam Review	Notes Chp 15 Jurisprudence Handbook for Dietitians in Ontario, 2015 (available on CourseLink)	Chart Note Assignment due at 4pm Fri Nov.30 Professional Practice and Jurisprudence Quiz Due at 4pm Fri Nov. 30

Note: This is a tentative schedule; however, due to various unknown factors there may be changes. Any changes will be announced during class and an announcement will be posted on the CourseLink site.

8. ASSESSMENT DETAILS

Assessment	LOs Addressed	Due Date	% of Final
Case studies (3 graded, best 2 counted) NOTE: You MUST do the Renal Case Study	1-4	Throughout the Semester	20% (10% each)
Midterm exam – covering material up to the end of renal disease	1-4	Oct. 30	25% OR 40%*
Medical Charting Assignment	4	Tuesday Nov. 13 optional early submission Fri. Nov. 30 by 4pm final submission	5%** 5% OR 10%**
Professional practice and jurisprudence online quiz	5	Available on CourseLink, can be completed any time during the semester. You may attempt the quiz an unlimited number of times. Due by Nov. 30.	5%
Final exam – from GI onwards <u>only</u> . The final exam is NOT cumulative.	1-4	Time and Location TBA	25% OR 40%*
Total:			100%

*If you score higher on the midterm than on the final, the midterm will be worth 40% and the final will be worth 25%. If you score higher on the final than on the midterm, the midterm will be worth 25% and the final will be worth 40%. In other words, the marks will be distributed to best advantage your final grade.

** You are invited to submit a draft version of your chart note early so that you can get feedback and improve it for your final submission. If you use this option, your first submission will be worth 5% and your second will be worth 5%. If you don't use this option, your final submission will be worth 10% of your grade for this course.

9. COURSE STATEMENTS

E-mail Policy

Please try to keep email to a minimum. For your course content related questions, please ask me during lectures, office hours or post on the “Ask Dr. Forbes” CourseLink discussion page. Please check the discussion page regularly – your question may already have been answered! Please e-mail me if there is an emergency or to ask more personal questions (i.e. I’m sick and will miss the midterm, what do I do?” or “I’m having problems with my case study group”)

Course Website:

There is a course website at <http://courselink.uoguelph.ca>. All components of this course will be housed on the CourseLink site including this course outline, assignments, practice quizzes, discussion boards and links to further resources. Your assignments will be submitted through the Dropbox function. Marks and feedback will also be released on the site. Please familiarize yourself with this website as soon as possible and visit it regularly throughout the semester.

Late Assignments:

Late assignments will be accepted up to 5 days following the due date and will receive a penalty of 10% per day EXCEPT under documented grounds for compassionate consideration. Assignments submitted more than one week late without documented grounds will receive a grade of zero. If you are going to hand an assignment in late, you must contact your course instructor to inform them when you will be submitting your assignment.

Receipt of Grades:

After you receive a grade on CourseLink, please review your feedback. Any inquiry or dispute over the grade must be made within two weeks from the date they are posted. If you fail to protest any grade during this time limit, changes to the grade will not be considered. [Grades will be based on the Grading Procedures outlined in the Undergraduate Calendar.](#)

Turnitin Software:

In this course, your instructor will be using Turnitin, integrated with the CourseLink Dropbox tool, to detect possible plagiarism, unauthorized collaboration or copying as part of the ongoing efforts to maintain academic integrity at the University of Guelph.

All submitted assignments will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site.

A major benefit of using Turnitin is that students will be able to educate and empower themselves in preventing academic misconduct. In this course, you may screen your own assignments through Turnitin as many times as you wish before the due date. You will be able to see and print reports that show you exactly where you have properly and improperly referenced the outside sources and materials in your assignment.

10. UNIVERSITY STATEMENTS

E-mail Communication:

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

When You Cannot meet a course requirement:

When you find yourself unable to meet in-course requirements due to illness or compassionate reasons, please advise the course instructor (or designated person, such as a teaching assistant) in writing with name, ID#, and email contact. [See the undergraduate calendar for information on regulations and procedures for Academic Consideration.](#)

Drop date:

Courses that are one semester long must be dropped by the end of the fortieth class day; two-semester courses must be dropped by the last day of the add period in the second semester. The regulations and procedures for [Dropping Courses](#) are available in the Undergraduate Calendar.

Copies of out-of-class assignments:

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

Accessibility:

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required, however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance, and not later than the 40th Class Day.

More information: www.uoguelph.ca/sas

Academic misconduct:

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

[The Academic Misconduct Policy is detailed in the Undergraduate Calendar.](#)

Recording of materials:

Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

Resources:

The [Academic Calendars](#) are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs.