

## ACKNOWLEDGEMENT

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UBC's Point Grey Campus is located on the traditional, ancestral, and unceded territory of the xwməθkwəyəm (Musqueam) people. The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on their culture, history, and traditions from one generation to the next on this site.

## COURSE INFORMATION

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Course Title	Course Code Number	Credit Value
Foundations of Nutrition Care II	FNH 470	3

**Lecture time and location:** Mondays & Wednesdays, 9:00 AM - 10:30 PM  
Food, Nutrition and Health Building – Room 30

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## PREREQUISITES

FNH 350, FNH 370, one of BIOL 155, 153 or equivalent.

## CONTACTS

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Course Instructor(s)	Contact Details	Office Location	Office Hours
Bruna Donatti Castro Falci	bruna.donatti@ubc.ca	FNH 324	Wednesdays 11am-1pm Or by appointment

## OTHER INSTRUCTIONAL STAFF

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Teaching Assistant:  
Brock Williams [brock.williams@ubc.ca](mailto:brock.williams@ubc.ca)

## COURSE STRUCTURE

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This course is part one in a series of two Nutrition Care courses required for students in the dietetics major.

This course will consist of two 80-minute classes weekly, plus online learning that is complimentary to course content and is to be done outside of class time. Most of the classes will be held in-person but there will be some classes that will be held virtually using Zoom.

Time in class will include lecture-style teaching, guest lectures, group work, and participation in problem-based learning through in-class cases. Students are expected to come to each class having completed pre-assigned learning which may include reading journal articles, practice guidelines, the textbook, or videos posted to canvas.

## LEARNING OUTCOMES

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

1. Describe the etiology and pathophysiology of select diseases including malnutrition in hospital settings, allergies and intolerances, gastrointestinal diseases, liver diseases, and diseases of the gallbladder and exocrine pancreas.
2. Identify appropriate practice guidelines and evidence-based resources to guide practice for the above diseases and conditions.
3. Apply the Nutrition Care Process (NCP) to make nutrition diagnoses related to the above selected diseases and conditions.
4. Create nutrition interventions using application of medical nutrition therapy to manage the above diseases and conditions.
5. Design and write a 'prescription' for nutrition support when deemed a necessary nutrition intervention.
6. Describe the applications, side effects and potential nutrient-drug interactions for commonly used medications and complementary and alternative therapies.
7. Consistently demonstrate professional practice, communication and collaboration skills.

## COURSE TOPICS AND TENTATIVE SCHEDULE

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Date	Topic	Readings/Videos	Evaluation
07-Sep	<b>Course Intro and Review</b>		
12-Sep	<b>Introduction to Nutrition Support:</b> Enteral and Parenteral Nutrition	<ul style="list-style-type: none"> <li>• Nelms &amp; Sucher: Ch.5</li> <li>• Additional materials on Canvas</li> </ul>	
14-Sep	<b>Enteral Nutrition:</b> Modalities and calculations	<ul style="list-style-type: none"> <li>• Additional materials on Canvas</li> </ul>	
19-Sep	<b>Enteral Nutrition:</b> Workshop calculations	<ul style="list-style-type: none"> <li>• Additional materials on Canvas</li> </ul>	
21-Sep	<b>Enteral Nutrition:</b> Management and Practice Tips <i>Guest: Jan Greenwood, RD</i>	<ul style="list-style-type: none"> <li>• Additional materials on Canvas</li> </ul>	
26-Sep	<b>Enteral Nutrition:</b> Management and Practice Tips <i>Guest: Jan Greenwood, RD</i>		
28-Sep	<b>Enteral Nutrition:</b> Workshop calculations/prescriptions	<ul style="list-style-type: none"> <li>• Additional materials on Canvas</li> </ul>	
03-Oct	<b>Parenteral Nutrition</b>	<ul style="list-style-type: none"> <li>• Nelms &amp; Sucher: Ch.5.3</li> <li>• Additional materials on Canvas</li> </ul>	

05-Oct	<b>Dysphagia</b> <i>Guest: Peter Lam, RD CFE</i>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch.14.1 (p.362-364)</li> <li>Additional materials on Canvas</li> </ul>	
10-Oct	<b>THANKSGIVING</b>		
12-Oct	<b>Parenteral Nutrition: Calculations and Case study</b> <i>Guest: Camile Francouer, RD (virtual)</i>	<ul style="list-style-type: none"> <li>Additional materials on Canvas</li> </ul>	
17-Oct	<b>Trauma and surgery</b>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch.22 (sections 22.1 to 22.10)</li> </ul>	Case study 1 (due date)
19-Oct	<b>Critical Care</b> <i>Guest: Lisa Jane Callow, RD (virtual) – to be confirmed</i>	<ul style="list-style-type: none"> <li>Additional materials on Canvas</li> </ul>	
24-Oct	<b>Dysphagia</b> <i>Guest: Peter Lam, RD CFE</i>		Review quiz
26-Oct	<b>MIDTERM</b>		Midterm
31-Oct	Midterm review		Peer review
02-Nov	<b>Diseases of the Upper GI Tract</b>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch. 14</li> <li>Additional materials on Canvas</li> </ul>	
07-Nov	<b>Diseases of the Upper GI Tract</b>		
09-Nov	<b>READING BREAK</b>		
14-Nov	<b>Finding information assignment</b>		Finding information
16-Nov	<b>Diseases of the Lower GI Tract</b> <i>Guest: Gina Almasan, RD (virtual)</i>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch. 15</li> <li>Additional materials on Canvas</li> </ul>	
21-Nov	<b>Diseases of the Lower GI Tract</b> <i>Guest: Gina Almasan, RD (virtual)</i>		Case study 2 (due date)
23-Nov	<b>Diseases of the Lower GI Tract</b>		
28-Nov	<b>Diseases of the Lower GI Tract</b>		
30-Nov	<b>Diseases of the Liver</b>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch.16 (sections 16.1 to 16.5)</li> <li>Additional materials on Canvas</li> </ul>	
05-Dec	<b>Diseases of the Gallbladder, and Exocrine Pancreas</b>	<ul style="list-style-type: none"> <li>Nelms &amp; Sucher: Ch.16.6</li> <li>Additional materials on Canvas</li> </ul>	Case study 3 (due date)
07-Dec	<b>Course Review</b>		

### LEARNING ACTIVITIES

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This class involves a variety of learning activities and teaching modalities that are designed to teach course concepts and challenge students to develop sound clinical reasoning skills. Learning activities involve a combination of individual and small-group learning activities. Learning activities include assigned videos and readings, lecture-style and problem-based learning in class, case study assignments, practice questions and review questions.

### LEARNING MATERIALS

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Canvas will be used as the online learning platform for the course. Course notes will be posted prior to each class and learning materials required for each unit will be posted under the respective unit on the “Modules” page of the course Canvas site.

Students will be permitted to bring pre-specified cheat sheets into exams, and these will also be posted on the canvas website.

#### REQUIRED LEARNING MATERIALS:

- Nelms & Sucher. Nutrition and Pathophysiology (4e). 2020. Cengage Learning.
- Nelms. Medical Nutrition Therapy – A Case Study Approach. Thompson Books. (5e). 2017.
- Additional readings and links to videos will be posted under each module on Canvas

#### OPTIONAL LEARNING MATERIALS:

- Diet Analysis Software is not mandatory to complete the case studies.

### ASSESSMENTS OF LEARNING

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**REVIEW QUIZ:** Students will complete an online review quiz before the midterm to review and practice the content for the exam. It will include multiple-choice questions and will incorporate materials from the Nutrition Support module. This quiz will be open book and must be completed individually.

**PROBLEM-BASED CASE STUDIES:** Students will complete 3 case-study assignments based on the book by Nelms and Roth (5e) Medical Nutrition Therapy – A Case Study Approach. Please refer to the case study questions posted on Canvas, as there are some differences between the posted questions and those found in the case study text (due to differences in Canadian vs. US healthcare systems and material covered). Two of these case studies will be completed in groups of 2-3, and one will be completed individually. Students must remain in the same groups throughout the term. Students are expected to work collaboratively on each of the case studies,

as these are critical skills building towards the practice education year. Case study assignments must be completed and submitted in pdf format **by 11:59pm on the due date indicated above** in the course evaluation table. Late submissions will **not** be accepted. Case study submissions are subject to a page limit of 12 pages (excluding a reference page). Any pages over 12 will not be marked.

Answer keys for the case studies will not be provided, however a printed copy of the answer key will be available in the instructor's office after each assignment is due. Students are encouraged to come view the answer keys available to aid in learning course content.

**FINDING INFORMATION:** Professional dietitians sometimes must look for additional resources to be able to do a careful evaluation and nutritional plan. The goal of this assignment is to practice searching the scientific literature to complement your understanding of a topic. It is an opportunity to practice selecting appropriate references, reading scientific articles, and reflecting on them in regard to clinical nutrition practice. Additional information for the assignment will be discussed in class and posted on Canvas.

**MIDTERM AND FINAL EXAMS:** The midterm and final exam will be cumulative. These examinations may include multiple choice questions, true/false (correct the false) questions, matching questions, and short answer questions. These examinations are closed book, however cheat sheets (reference documents) will be provided by the instructor. If you require special accommodation for exam writing, please ensure you notify the instructor at least 3 weeks ahead of the scheduled exam.

**Cheat Sheets for Examinations:** Pre-specified cheat sheets (reference documents) will be provided with exams. Students are not permitted to bring their own copy into the exams with them.

If students have questions about marks given on a midterm or final examination, they may bring these concerns to the instructor. If there is a request to review an exam for re-grading, the instructor will look at the entire exam, not just the question of concern. In this case the review of grading may result in adjustment to marking of any questions and may result in an increase or decrease of the student's overall grade on the exam.

**PEER REVIEW/ TEAM REFLECTION TOOL:** To ensure that your team gets the support you need to complete your case-study assignments, this tool (worth 4% of your final mark) will be filled out by each member of your team and require an assessment on the strengths and weaknesses of your group. This will be required at mid-point in the semester so that instructor can help trouble-shoot any difficult group dynamics. The form is to be submitted via Canvas.

Evaluation Items	Due Date	Percentage of Final Grade
Review quiz	Oct 24th	03%
Case study 1	Oct 17 <sup>th</sup>	10%
Case study 2	Nov 21 <sup>st</sup>	10%
Case study 3	Dec 5th	10%
Peer review	Oct 31 <sup>st</sup>	04%
Finding information	Nov 14 <sup>th</sup>	08%
Midterm	Oct 26 <sup>th</sup>	20%
Final exam	TBD	35%

### UNIVERSITY POLICIES

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UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions.

Details of the policies and how to access support are available on [the UBC Senate website](#).

### OTHER COURSE POLICIES

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**COURSE LINKAGE TO ICDEP:** This course, like all required courses in the Dietetics Major, contributes to coverage of the *Integrated Competencies for Dietetic Education and Practice (ICDEP)*. All students in the Dietetics Major should refer to the [Mapping of Curriculum to ICDEP](#) page on the dietetics website to familiarize themselves with the requirements.

#### *Late and missed assessments.*

Case studies must be completed by the deadlines indicated in the course schedule. There will be no late or make-up case studies.

In the event where a student miss the “finding information” assignment with a valid excuse, the corresponding mark will be allocated to the final exam. Please, let your instructor know as soon as possible and provide supporting documentation.

#### *Missed exams.*

In the case that a student must miss an exam due to unforeseen circumstances, documentation must be provided as per [Faculty](#) and [University Policy](#). A make-up exam will be scheduled.

*Final grades policies.*

Final grades will be rounded to the nearest whole number. Only grades within 0.5 of the next whole number will be rounded up (eg. 75.5 becomes 76, 75.4 is 75%). Grade changes will only be permitted if there is a calculation error.

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**LEARNING ANALYTICS**

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Learning analytics includes the collection and analysis of data about learners to improve teaching and learning. This course will be using the following learning technologies: Canvas

Many of these tools capture data about your activity and provide information that can be used to improve the quality of teaching and learning. In this course, I plan to use analytics data to:

- View overall class progress
- Review statistics on course content being accessed to support improvements in the course

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**LEARNING RESOURCES**

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**UBC CANVAS:** Notes will be posted ahead of class. Guest lecture notes will be posted as soon as they are available, if permission is granted by the guest speaker. Additional Readings specified throughout the term will be posted in each unit folder on Canvas. These readings are provided for further enrichment and to broaden understanding beyond lecture notes, text, case studies and guest presentations.

**Canvas User Resources:** <https://community.canvaslms.com/>

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All materials of this course (course handouts, lecture slides, assessments, course readings, etc.) are the intellectual property of the Course Instructor or licensed to be used in this course by the copyright owner. Redistribution of these materials by any means without permission of the copyright holder(s) constitutes a breach of copyright and may lead to academic discipline.

Students are permitted to audio-record lectures provided they have obtained permission from the instructor.

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