



NUTR*4330 Applied Nutritional and Nutraceutical Sciences II

Winter 2023

Section(s): C01

Department of Human Health and Nutritional Sciences

Credit Weight: 0.75

Version 1.00 - January 05, 2023

1 Course Details

1.1 Calendar Description

In this course laboratory and other investigational techniques are covered, together with their underlying concepts. The course is designed to enhance understanding of the design and use of nutraceuticals for human and animal health.

Pre-Requisites:

NUTR*3330, NUTR*3390, HK*3810

Restrictions:

Registration in BSC. NANS major or minor.

1.2 Course Description

- This course builds on concepts covered in Applied Nutritional and Nutraceutical Sciences I (NUTR*3390). Together, these laboratory-intensive courses explore and provide experiential learning opportunities in two key aspects surrounding the Nutritional and Nutraceutical Sciences. This includes the development of natural health products (NHP) and functional foods (Part I) and their testing and approval (Part II).
- The primary objective of NUTR*4330 is to provide valuable learning opportunities surrounding food and NHP clinical testing as well as critical analysis and reporting to support evidence based products.
- The major themes of this course will include the design and evaluation of dietary interventions to prevent chronic disease; the use of short-term biomarkers to determine the risk of chronic disease progression; safety, ethical and regulatory aspects of designing and conducting human clinical trials; quality reporting and dissemination of human study results; and critical review of evidence to support functional foods and NHPs in the Canadian marketplace.

1.3 Timetable

Details About the Course Format:

- **Synchronous Class Meeting** - Mondays at 2:30 for ~ 1.5 hours. The Class Meeting will occur in-person in SSC 2315, unless otherwise stated and/or the University has mandated that classes must occur remotely.
- **Synchronous Lab Meetings**- Students must attend the lab in which they are registered and cannot switch between lab sessions, week to week.

Lab 1: Wednesday 11:30–2:20, Location: Some in-person in FS146 & some by Zoom, TBD

Lab 2: Wednesday 2:30–5:20, Location: Some in-person in FS146 & some by Zoom, TBD

- Attendance is expected for all synchronous interactions, in the specified format.
- Some synchronous in-person session may be live streamed, this is not guaranteed and synchronous sessions will never be recorded.
- Any synchronous remote activities will occur via Zoom, with Teams as a backup.
- **Asynchronous Content** - Weekly short video lectures and other activities posted in CourseLink.

Other Important Details:

- Please note that the ongoing COVID-19 pandemic may necessitate a revision of

the format of course offerings and academic schedules. Any such changes will be announced via CourseLink and/or class email. All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

- Students who have not submitted their vaccination status to the university portal or have not received an exemption (with regular testing) to be on campus are not eligible to register in any course with a required in-person component or assessment.

1.4 Final Exam

There is no final exam for this course.

2 Instructional Support

2.1 Instructional Support Team

Instructor:	Amanda Wright PhD
Email:	ajwright@uoguelph.ca
Office:	HHNS ANNEX-Room 283
Office Hours:	I will be available Mondays before and after class. Alternatively, please email to make an appointment.

2.2 Teaching Assistants

Teaching Assistant (GTA):	TBD TBD
Office Hours:	The TA will be available during the laboratory periods on Wednesdays and by appointment, if necessary.

3 Learning Resources

3.1 Additional Resources

Readings and other curated materials will be provided during the lectures (Readings)

Course materials (e.g. journal article readings, videos, websites, software, government guidance documents, etc.) will be provided in lecture, laboratory, and/or referenced in CourseLink. There are otherwise no formal resources required. To gain competency in the course content, students should be sure to complete the assigned asynchronous elements, on a weekly basis.

4 Learning Outcomes

NUTR*4330 couples with NUTR*3390 as a capstone experience for students in the NANS major. Activities and assessments are intended to reinforce and enable mastery of program learning outcomes, including the general skills; Problem Solving & Critical Thinking, Communication, Professional & Ethical Behaviour and the degree-related skills & knowledge; Scientific Method, Breadth & Depth of Understanding in a Particular Scientific Discipline, and Scientific Technology & Techniques in a Scientific Discipline.

4.1 Course Learning Outcomes

By the end of this course, you should be able to:

1. Understand how functional foods and natural health products fit within the context of diverse dietary needs, using diet analysis software tools and integrating degree knowledge.
 2. Appreciate the key role of biomarkers in the development of evidence-based strategies for diet-related diseases and conditions and be able to apply this knowledge, integrating the concepts of research ethics, safety, and rigor, to design a human study that would determine efficacy of a product.
 3. Explain the approval requirements and key study design considerations related to conducting human clinical nutrition research.
 4. Critically assess the claims made for natural health products. This includes the ability to critically evaluate the quality of scientific reports, with respect to Health Canada product licensing and claims.
 5. Analyze, interpret and communicate study data to a scientific audience, in written format.
 6. Apply knowledge of ethics in human research, including the central role of study participants, to discuss best practices with peers.
 7. Collaborate effectively to condense scientific information in oral presentation format and demonstrate knowledge of effective communication practices by others.
 8. Explain how course activities relate to the development of professional skills and work readiness.
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5 Teaching and Learning Activities

Course content will be delivered through a combination of non-recorded synchronous and asynchronous methods using Courselink and Zoom (with Teams as a backup for any remote interactions).

The schedule will include a Monday synchronous in-person ~1.5 hr class meeting starting at 2:30. Handouts will be posted. Class may occasionally be live-streamed, but never recorded. It will involve lecture, discussion, and active learning components to complement

asynchronous materials (e.g. recorded video lectures and other curated resources) which will be posted each week in CourseLink. Students will work through these materials independently, in advance of the Monday meetings.

Students must be available for all Wednesday lab sessions. The majority of lab time will be dedicated to collaborative group work towards completion of course projects. The labs will take place either in-person on campus or remotely through Zoom. The specific location for lab each week (i.e. in person on campus or via Zoom) will be determined by the start of the semester and clearly communicated.

To ensure you receive up to date announcements about NUTR4330, please be sure you turn on notifications in Courselink. To learn more, visit;
<https://support.opened.uoguelph.ca/instructors/courselink/tools/content/notifications>

5.1 Tentative Schedule of Course Activities

	MONDAY	WEDNESDAY	ASYNCHRONOUS
	Synchronous Class Meetings	Synchronous Laboratory Meetings	Lecture Topics & Other Activities
	(Will occur by Zoom or in SSC2315; TBD = To Be Determined)	(Will occur by Zoom or in FS146; TBD = To Be Determined)	(e.g., videos, readings, & guided exploration of other curated materials. <u>Please refer to CourseLink regularly for updates</u>).
<u>Week 1</u>	Welcome	Introduction to ESHA Food Processor diet analysis software	Course context
	Housekeeping		Introduction to clinical trials of foods and natural health products
January 9-13	Introduction to Group Project #1 – Functional Food Diet Design & Analysis	Mock 24-hr diet recall & food record Start Group Project #1	Introduce yourself by posting a short video in the Discussion (see example)
	Location: TBD	Location: TBD	
<u>Week 2</u>	Key concepts in human clinical research	Discussion – effective group work	Clinical trials - Study design considerations
	Location: TBD	Work on Group Project #1	Good clinical practices
January 16-20		Location: TBD	

<u>Week 3</u>	Clinical trial design, registration & other best practices	Practice technology and presentation skills	Food and NHP testing to support claims
January 23-27	Location: TBD	Work on Group Project #1 Location: TBD	The Human Nutraceutical Research Unit NHP testing and regulation in Canada - an introduction to the regulatory framework & exploring the Health Canada website
<u>Week 4</u>	Natural health product regulations – An industry perspective - guest lecture Krista Coventry, MSc	Group Project #1 Presentations Location: TBD	Introduction to biomarkers Working together - personality and group dynamics
January 30-February 3	Introduction to NHP Critical Evaluation Assignment Location: TBD		
<u>Week 5</u>	Critiquing an NHP	Professional skills in working together	Biosafety in human research
February 6-10	Biomarkers and their role in nutrition and health research Introduction to Group Project #2 – Biomarkers of chronic disease Location: TBD	Work on Group Project #2 Location: TBD	Online biosafety training module – Submit certificate through Dropbox & reflect in Discussion board Check in with instructor about topic for NHP Critical Evaluation Assignment
<u>Week 6</u>	Clinical trial design to validate foods or NHPs	Work on Group Project #2	Introduction to human research ethics
February 13-17	Clinical trial registration	Location: TBD	Human research ethics at the University of Guelph – Guest lecturer Katelyn Wadleigh

Location: TBD		Complete online tutorial about human research ethics – Submit certificate through Dropbox & reflect in Discussion board	
February 20-24		READING WEEK	
<u>Week 7</u>	Keeping perspective – Centrality of the research participant	Work on Group Project #2 Location: TBD	Human research data analysis Informed consent
February 27- March 3	Human research ethics case studies – Mock Research Ethics Board (REB) deliberations Location: TBD		Peer review and constructive feedback Submit NHP Critical Evaluation Assignment
<u>Week 8</u>	Introduction to Group Project #3 – NHP journal article and critical evidence summary Location: TBD	Group Project #2 Presentations; Biomarkers of Disease Symposium – Week I (Students will complete anonymous peer critiques) Location: TBD	Interpreting and disseminating research Think critically, what makes a good journal article?
<u>Week 9</u>	Career Advisor: Matching your skills to what comes next? Location: TBD	Group Project #2 Presentations; Biomarkers of Disease Symposium – Week II (Students will complete anonymous peer critiques) Location: TBD	Open access & open data All students will submit their Study Design Assignment

<u>Week 10</u>	CONSOLidated Standards of Reporting Trials (CONSORT) and other best practices	Team building activity Work on Group Project #3	Challenges in human research & reporting Levels of evidence to support claims
March 20-24	Location: TBD	Location: TBD	Submit Peer Review of Project #2
<u>Week 11</u>	Foods versus NHP? Let's debate	Work on Group Project #3	Clinical research from theory to practice – Let's hear from HHNS alumni
March 27-31	Location: TBD	Location: TBD	Informational interview
<u>Week 12</u>	Lessons learned game and future perspectives	Work on Group Project #3	Wrap up
April 3-7	Location: TBD	Location: TBD	Attend HHNS6410 Showcase Submit Group Project #3

6 Assessments

NUTR4330 involves several individual and group assessments, in a variety of formats.

6.1 Assessment Details

Introduce Yourself (1%)

Date: Week 1

Students will upload a very short, simple video to introduce themselves, following the example provide.

Group Project #1: Functional food diet design and analysis (20%)

Due: Week 4, Presentations during laboratory sections, uploaded materials to CourseLink

Learning Outcome: 1, 5, 7

Working with a partner, students will focus on the use of functional foods containing either long chain omega-3 fatty acids or soluble fiber for the management of cardiovascular disease risk. Students will devise a 1 day diet plan that could be used as an alternative to supplementation with a NHP, as well be discussed for Project #3. The diet should meet the nutritional requirements of a hypothetical individual whom students will uniquely consider. Students are encouraged to include a diversity of possible factors that might influence

dietary needs and choices, i.e. age, health status, religion, food intolerances, food security, etc. Each group will present their dietary program in a 15 minute presentation (plus 5 minutes for questions). A summary report will also be submitted, in the form of presentations slides with notes.

Biosafety Online Tutorial & Reflection (5%)

Date: Week 5, Courselink Dropbox & Discussion

Learning Outcome: 2, 3, 8

Students will complete a Biosafety Online Tutorial and submit the completion certificate through Dropbox (4 marks) and contribute a brief (2-3 sentences) post to a Discussion Board reflecting on how the experience and/or knowledge gained can be used to demonstrate relevant professional skills, in a future scenario (e.g. resume or job interview) (1 mark).

Human Research Ethics Online Tutorial & Reflection (5%)

Date: Week 6, Courselink Dropbox and Discussion Board

Learning Outcome: 3, 6, 8

Students will complete a Human Research Ethics Online Tutorial and submit the completion certificate through Dropbox (4 marks) and contribute a brief (2-3 sentences) post to a Discussion Board reflecting on how the experience and/or knowledge gained can be used to demonstrate relevant professional skills, in a future scenario (e.g. resume or job interview) (1 mark).

NHP Critique (10%)

Due: Week 7, Courselink

Learning Outcome: 4

NUTR*4330 emphasizes the importance of an evidence-based approach to functional foods and NHP, particularly within the Canadian context. However, is this a marketplace reality? Students will, individually, select a food or NHP which is sold online and marketed using implied and/or explicitly stated health claims. In 750 words or less, students will summarize details about their product of choice, identify what are the health claims being made, and, in relation to the claims, discuss the quality of evidence which is provided and exists to support that the product is efficacious and effective.

Group Project #2: Biomarkers of chronic disease (20%)

Due: Week 8, Presentations during laboratory sections, uploaded materials to Courselink

Learning Outcome: 2, 5, 6, 7

Students will work in small groups, each focused on a particular chronic disease and the use of biomarkers to assess the impact of functional foods and nutraceuticals on the disease risk. The etiology of the disease will be described, followed by the list of potential short-term biomarkers, including a critical evaluation of their mechanistic basis and predictive value. Each group will present their project (15 minute presentation plus 5 minutes for questions) as part of class Biomarkers of Chronic Disease Symposium. A summary report will also be submitted, in the form of presentation slides with notes.

Study Design Assignment (10%)

Date: Week 9, Courselink

Learning Outcome: 2, 3

Individually, students will propose a human clinical trial to investigate the efficacy of a functional food or natural health product based on the foundational knowledge gained about a particular chronic disease and its biomarkers in Project 2.

Peer Review of Project #2 Presentations (4%)**Date:** Week 10, Courselink**Learning Outcome:** 7

Anonymous peer review of Project #2 group presentations (4 marks).

Group Project #3: NHP Journal Article and Critical Evidence Summary (20%)**Due:** Week 12, Courselink**Learning Outcome:** 3, 4, 5

Students will work in small groups to prepare a scientific report (in the format of a brief journal article) that summarizes a mock clinical trial investigating the effects of a long chain omega 3 supplement on cardiovascular disease risk factors. Students will then compile this article with others in a critical evidence summary report which forms the basis of an application to Health Canada for a Natural Product Number. This activity will include critically evaluating and integrating the group's article, as well as published manuscripts, in terms of their quality and the level of evidence provided to support licensing the omega 3 supplement as a NHP in Canada.

Class Participation (5%)**Date:** In class and through Courselink**Learning Outcome:** 1, 2, 3, 4, 6, 7

Student participation throughout the semester is expected. However, additional marks will be assigned for participation and completion of certain lecture and asynchronous activities. Students will be given choice, with more details to follow.

7 Course Statements

7.1 Some Notes About In-Person and Remote Learning Interactions

- NUTR4330 was designed to provide students in the NANS major with significant opportunities to engage with their peers on class content. Your instructor and TA will do their best to maintain an interactive environment, but are counting on your participation. This applies equally to in-person and remote learning!
- The Monday class meetings are intended to promote a sense of community by ensuring weekly synchronous interactions with the instructor to interact about course content.
- Wednesday lab periods are held so that students can convene at a set time each week to work with group members, and to interact with the teaching team. Students are expected to attend lab every week to ensure progress on collaborative work and learning.
- Classroom etiquette is always an important consideration and will be discussed at the start of the semester to establish a set of shared principals and practices.
- Remote learning can present certain challenges, including fewer opportunities for

connection. To help mitigate this, if/when there are remote interactions for this course, at a minimum, please turn your camera on at the start of meetings and for any smaller group interactions.

- Technological issues can and will occur sometimes, especially during remote learning. Your instructor will communicate, in advance, what to do should issues arise.
- Lastly, although some uncertainty remains with COVID-19, I am really looking forward to returning to on-campus teaching and getting to interact with our NANS students, face-to-face. No, the pandemic has not been fun (to say the least!). It has, however, prompted many professors to try new things and do things differently. Some of these changes might end up being positive for teaching and learning, in the long run. For example, in NUTR4330, I pulled out some of the more basic lecture content into short videos that students found easier to engage with at their own pace and in the comfort of their own space, compared with in a traditional lecture hall. So, our Monday class meetings will be shorter than the previous 3 hours, but you should please plan to spend time each week learning asynchronously and arrive to class prepared to discuss and implement that content. There were also times when small group collaborations in Zoom breakout rooms seemed preferable to everyone sitting around the same physical table. The distance and flexibility actually led to greater productivity. This was great to see and is something I'm actively thinking about, going forward. I'm really excited to offer NUTR4330 again in Winter 2023 and that, like Winter 2022, it will be a blended format of in-person & remote with synchronous & asynchronous elements. We'll get through this together.

7.2 Use of Turnitin

- 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.
- Any 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.

8 Department of Human Health and Nutritional Sciences

Statements

8.1 Academic Advisors

If you are concerned about any aspect of your academic program:

- Make an appointment with a program counsellor in your degree program. [B.Sc. Academic Advising](#) or [Program Counsellors](#)

8.2 Academic Support

If you are struggling to succeed academically:

- Learning Commons: There are numerous academic resources offered by the Learning Commons including, Supported Learning Groups for a variety of courses, workshops related to time management, taking multiple choice exams, and general study skills. You can also set up individualized appointments with a learning specialist.
<http://www.learningcommons.uoguelph.ca/>
- Science Commons: Located in the library, the Science Commons provides support for physics, mathematic/statistics, and chemistry. Details on their hours of operations can be found at: <http://www.lib.uoguelph.ca/get-assistance/studying/chemistry-physics-help> and <http://www.lib.uoguelph.ca/get-assistance/studying/math-stats-help>

8.3 Wellness

If you are struggling with personal or health issues:

- Counselling services offers individualized appointments to help students work through personal struggles that may be impacting their academic performance.
<https://www.uoguelph.ca/counselling/>
- Student Health Services is located on campus and is available to provide medical attention. <https://www.uoguelph.ca/studenthealthservices/clinic>
- For support related to stress and anxiety, besides Health Services and Counselling Services, Kathy Somers runs training workshops and one-on-one sessions related to stress management and high performance situations.
<http://www.selfregulationskills.ca/>

8.4 Personal information

Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) <http://www.e-laws.gov.on.ca/index.html>. This information is used by University officials in order to carry out their authorized academic and administrative responsibilities

and also to establish a relationship for alumni and development purposes.

For more information regarding the Collection, Use and Disclosure of Personal Information policies please see the Undergraduate Calendar.

(<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/intro/index.shtml>)

8.5 Course Offering Information Disclaimer

Please note that course delivery format (face-to-face vs online) is subject to change up to the first-class day depending on requirements placed on the University and its employees by public health bodies, and local, provincial and federal governments. Any changes to course format prior to the first class will be posted on WebAdvisor/Student Planning as they become available.

9 University Statements

9.1 Email Communication

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

9.2 When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Graduate Calendar - Grounds for Academic Consideration

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions

<https://www.uoguelph.ca/registrar/calendars/diploma/current/index.shtml>

9.3 Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all students (undergraduate, graduate and diploma) except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in their respective Academic Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Graduate Calendar - Registration Changes

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/genreg-reg-regchg.shtml>

Associate Diploma Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml>

9.4 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.

9.5 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 make a booking at least 14 days in advance, and no later than November 1 (fall), March 1 (winter) or July 1 (summer). Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time.

For Guelph students, information can be found on the SAS website
<https://www.uoguelph.ca/sas>

For Ridgetown students, information can be found on the Ridgetown SAS website
<https://www.ridgetownc.com/services/accessibilityservices.cfm>

9.6 Academic Integrity

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 encourages academic integrity. 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.

Undergraduate Calendar - Academic Misconduct

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Graduate Calendar - Academic Misconduct

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

9.7 Recording of Materials

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

9.8 Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars

<https://www.uoguelph.ca/academics/calendars>

9.9 Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via CourseLink and/or class email.

This includes on-campus scheduling during the semester, mid-terms and final examination schedules. All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

9.10 Illness

Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g.. final exam or major assignment).

9.11 Covid-19 Safety Protocols

For information on current safety protocols, follow these links:

- <https://news.uoguelph.ca/return-to-campus/how-u-of-g-is-preparing-for-your-safe-return/>
- <https://news.uoguelph.ca/return-to-campus/spaces/#ClassroomSpaces>

Please note, these guidelines may be updated as required in response to evolving University, Public Health or government directives.
