



UM | Faculty of Agricultural
and Food Sciences

Department of Soil Science
362 Ellis Building
Winnipeg, Manitoba
Canada R3T 2N2

Syllabus

SOIL 0420 Soil Resources and Productivity

Term: Fall 2023

COURSE DETAILS

Course Title & Number:	Soil Resources and Productivity (SOIL 0420) Fall 2023	
Number of Credit Hours:	4 credit hours	
Class Days of Week, Times, and Location:	Monday, Wednesday, Friday: 10:30 – 11:20 am 130 Agriculture Building	
Lab Days of Week, Times, and Location:	B02 Tuesday	11:30 am – 12:45 pm
	B03 Thursday	11:30 am – 12:45 pm
	B01 Thursday	2:30 – 3:45 pm
	All labs in 318 Ellis Building	
Pre-Requisites:	None	

Instructor Contact Information

Instructor(s) Name & Preferred Form of Address:	Dr. Joanne Thiessen Martens (she/her) I will respond to any civil and respectful form of address, including Joanne, Dr. Thiessen Martens, etc.	
Office Location:	378 Ellis Building	
Office Hours or Availability:	A weekly time for you to drop in at my office will be set during the first lecture and modified as needed. I will also be available in the classroom for a few minutes before and after lecture sessions. Other times by appointment (send email to set up a time).	
Office Phone No.	204-806-2777 (cell)	
Email:	J.ThiessenMartens@umanitoba.ca Please include 'SOIL 0420' in the subject line.	
Contact:	Email is the best way to contact me. I will do my best to respond to emails within 24 hours when received on weekdays (Mon-Fri) or 48 hours when received on the weekend or holidays. For urgent matters, please call or text, providing your name and including 'SOIL 0420' in the message.	
Teaching Assistants:	Rebecca Agbabiaka	B02 Tuesday, 11:30 am – 12:45 pm
	Ehsan Chatraei Azizabadi	B03 Thursday, 11:30 am – 12:45 pm
	Naomi Mengistu-Zelleke	B01 Thursday, 2:30 – 3:45 pm

Traditional Territory and Land Acknowledgement

The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Oji-Cree, Dakota and Dene peoples, and on the homeland of the Métis Nation. We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of reconciliation and collaboration.

I personally acknowledge that my place of work (University of Manitoba campuses and research sites) and my personal residence are located in the heartland of the Red River Métis nation and the traditional territories of other Indigenous peoples of the region. I am continuing to learn about the traumas experienced by Indigenous peoples and also the richness of Indigenous cultures, especially their relationships with the land.

As students of agriculture, we are students of the land. One of the goals of this course is to learn about how soils came to be and how they behave. Although the course title refers to “soil resources”, seeing ourselves as part of the land, rather than managers of a resource, can help foster a relationship build on reciprocity and respect. I believe such an approach will help guide modern agriculture to greater sustainability.

Equity and Inclusion Commitment

I am committed to upholding and advancing equity, diversity, and inclusion in my teaching. I respect your identities (e.g., race, gender identity, sexual orientation, ability, etc.) and commit to working against any form of oppression or discrimination based on these or other identities. I recognize that I am still learning and developing in this area, and so I invite your feedback on my actions related to equity and inclusion in this course. You can submit feedback to me on equity and inclusion issues through an anonymous survey found in the UM Learn site for this course (click on Assessments and then Surveys to find the “Equity and Inclusion Feedback” survey).

Course Description

U of M Course Calendar Description

Soil formation; soil physical, chemical and biological properties; soil classification systems, maps and reports; soil fertility, crop nutrients, soil sampling and testing; agricultural productivity. A full-day field trip is required.

General Course Description

Through lectures, assignments, and labs, students will gain a basic understanding of soil properties, why soil is a productive medium, why soils differ from place to place, and the different capabilities of soil as a natural resource. SOIL 0420 is a required course in the Agriculture Diploma program. It provides foundational knowledge for all Agriculture Diploma options and is a prerequisite, with a minimum grade of C, for SOIL 0620 (Soil Conservation and Management) and SOIL 0630 (Soil Fertility).

A basic understanding of the nature and properties of soil is essential for productive, profitable, and sustainable agriculture. Soil is foundational to crop production, including grain, forage, and horticultural

crops, and is directly linked to animal agriculture through feed and forage production as well as grazing and manure management. Appropriate soil management is also needed to support the economic viability of farm operations and the environmental sustainability of individual farms, the agricultural sector, and society as a whole.

Course Learning Objectives

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

1. Understand and describe how soils are formed;
2. Describe basic physical, chemical and biological properties of soil;
3. Interpret soil survey and capability maps and reports; and
4. Describe soil nutrients and their cycles in the context of agricultural crop requirements and basic environmental sustainability.

Textbook, Readings, and Course Materials

No textbook is required. The PowerPoint slides available on the course UM Learn page constitute the study material for the class. Additional resource materials will be provided as needed, including links to online resources.

Supplementary Resources for Additional Learning:

Digging into Canadian Soils: An Introduction to Soil Science. Free online textbook:
<https://openpress.usask.ca/soilscience/>. Canadian Society of Soil Science.

Havlin, J.L., S.L. Tisdale, W.L. Nelson, and J.D. Beaton. *Soil Fertility and Fertilizers: An Introduction to Nutrient Management*. 8th ed. Pearson. Available in the UM library.

Henry, L, 2003. *Henry's Handbook of Soil and Water*. Available in the UM library.

Manitoba Agriculture, Food and Rural Initiatives, 2007. *Soil Fertility Guide*. Online:
https://www.gov.mb.ca/agriculture/crops/soil-fertility/soil-fertility-guide/pubs/soil_fertility_guide.pdf

Manitoba Agriculture, Food and Rural Initiatives, 2008. *Soil Management Guide*. Online:
<https://www.gov.mb.ca/agriculture/environment/soil-management/soil-management-guide/pubs/soil-management-guide.pdf>

Weil, R.R., and N.C. Brady. 2017. *The Nature and Properties of Soils*. 15th ed. Pearson. This and previous editions are available in the UM library. Table of contents available at
www.researchgate.net/publication/301200878_The_Nature_and_Properties_of_Soils_15th_edition.

Course Technology

The course lectures and labs will be offered in person, with the option to pivot to online learning if needed. Students are free to use tablets, cellphones, laptops, etc. in the classroom provided these are used in a responsible, efficient, ethical, and legal manner. A smartphone, tablet, or laptop is required for some class activities (see below). To be respectful to your classmates and instructor and maintain a classroom environment that is conducive to learning, please silence notifications during the lecture and

lab periods and avoid activities not related to the course (checking social media, playing games, messaging friends, browsing the internet, and so on). Students are not permitted to record lectures without the permission of the instructor.

UM Learn

Course materials and some assessments will be delivered through UM Learn. You are responsible for making sure you are able to access the materials and assessments in UM Learn.

To access course materials in UM Learn:

1. Log in to UM Learn at the following site, using your UMnetID and password (same as your UM email). <https://umanitoba.ca/umlearn>
2. For general course information and lecture materials, click the waffle icon along the top of the page and select SOIL-0420-K01.
3. For lab information, select SOIL-0420-[ending with your lab slot - B01/B02/B03]. The UM Learn page for the lab session will be used only occasionally.

There is also an app available for UM Learn, called Brightspace Pulse. You are welcome to use it but it is not required.

iClicker

This class will use iClicker to conduct polls and quizzes. You are required to bring your own device (smartphone, tablet, or laptop) to participate in the iClicker sessions during class. You will access iClicker by downloading the iClicker Student app to your mobile device or by accessing it from the iClicker site (www.iclicker.com) through a laptop. The University of Manitoba provides a free license to all students to use the iClicker Student app.

Regardless of which device you use in class, your computer, smartphone, or tablet, you must create an iClicker Student account using your @myumanitoba.ca email address. You can do this by downloading the mobile app via the App Store or Google Play, or by visiting iclicker.com. If you already have an iClicker Student account with a different email address, please update your account to your @myumanitoba.ca address. Once you create this account, you should be automatically registered in this iClicker course upon syncing between iClicker and UM Learn. If not, you can search for the course and add it manually. We will walk through the process in class, but it is your responsibility to properly register your iClicker Student device in a timely fashion. It is also your responsibility to regularly check your iClicker grades for any discrepancies and bring them to my attention quickly.

During class, when it is time for a quiz, make sure you have selected this course from the main screen of iClicker. Select the **Join** button that appears on your screen, then answer the quiz questions in iClicker.

Please remember that academic integrity policies apply to iClicker activities. This means that you need to sign in to iClicker only as yourself (not other students) and do your own work without communicating with classmates.

Visit the following link for more information on installing and using iClicker Student:

<https://umanitoba.ca/centre-advancement-teaching-learning/sites/centre-advancement-teaching-learning/files/2022-05/students-iclicker-student-guide.pdf>

COURSE SCHEDULE

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students (subject to [section 2.8 of the ROASS procedure](#)).

Note: the quizzes will be at the beginning of class on the dates indicated below and will be based on course material from the previous 3 lectures, unless otherwise noted during class. For example, Quiz 2 (Sept. 22) will be based on the topics covered on Sept. 15, 18, and 20.

Week	Date	Lecture topic	Lab topic
1	Sept 11	Course syllabus and class introduction	<i>No lab</i>
	Sept 13	What is soil? Soil horizons, profiles, pedons	
	Sept 15	Quiz 1. Soil physical properties – colour, texture.	
2	Sept 18	Soil physical properties – structure	Lab 1: Soil Texture and Colour
	Sept 20	Soil physical properties – bulk density, porosity	
	Sept 22	Quiz 2. Soil classification: Soil genesis; Origin of prairie landscapes.	
3	Sept 25	Soil classification: purpose of classification	Lab 2: Soil Classification and Identification
	Sept 27	Soil classification: Canadian System of Soil Classification	
	Sept 29	Quiz 3. Soil survey: Legal survey system; Soil survey mapping and reports.	
4	Oct 2	<i>No Class – National Day for Truth and Reconciliation</i>	Lab 3: Soil Survey Reports and Ag Capability
	Oct 4	Soil survey: Agriculture Capability mapping and reports	
	Oct 6	Quiz 4. Soil survey: MASC soil productivity index.	
5	Oct 9	<i>No Class – Thanksgiving</i>	<i>No lab</i>
	Oct 11	<i>No Class – Experiential Learning week</i>	
	Oct 13	CLASS FIELD TRIP – all day	
6	Oct 16	Summarizing and integrating knowledge so far.	<i>No lab</i>
	Oct 18	MIDTERM TEST 1	
	Oct 20	Quiz 5. Soil Water: forms of water in the soil system, measurements (field capacity, permanent wilting point)	
7	Oct 23	Soil Water: movement, management, use and losses	Lab 4: Determining Field Capacity
	Oct 25	Soil Chemistry: anion-cation exchange, pH	
	Oct 27	Quiz 6. Soil Chemistry: salinity and sodicity.	
8	Oct 30	Soil Biology: overview.	Lab 5: Soil Chemistry – Measuring pH, EC, and carbonates
	Nov 1	Soil Organic Matter: nature, composition, and decomposition (C and N cycling)	
	Nov 3	Quiz 7. Soil Organic Matter: role and importance in soils.	
9	Nov 6	Soil Organic Matter: effects of management.	<i>No lab</i>
	Nov 8	Summarizing and integrating knowledge so far.	
	Nov 10	MIDTERM TEST 2	

Week	Date	Lecture topic	Lab topic
10	Nov 13-17	<i>No Class – Remembrance Day, Fall Term Break</i>	<i>No lab</i>
11	Nov 20	Soil fertility: soil as a store of plant nutrients, nutrient availability	Lab 6: Fertilizer Recommendations
	Nov 22	Soil fertility: macronutrients	
	Nov 24	Quiz 8. Soil fertility: macronutrients and micronutrients	
12	Nov 27	Soil fertility: nutrient deficiencies and toxicities, nutrient cycling/balance.	Lab 7: Fertilizer Rates and Costs
	Nov 29	Soil fertility: nutrient sources - commercial fertilizers	
	Dec 1	Quiz 9. Soil fertility: nutrient sources - manure and others	
13	Dec 4	Soil fertility: soil sampling and soil testing	Lab 8: Manure Management
	Dec 6	Soil health: overview	
	Dec 8	Quiz 10. Wrap-up and review to prepare for Final Exam	

Other Important Dates

Sept. 21	Last date to drop course without penalty (course will not appear on transcript)
Nov. 21	Last date for voluntary withdrawal (course appears on transcript as a VW)
Dec. 11-21	Final Exam Period – date of this course’s exam to be set by the University

COURSE ASSIGNMENTS AND EVALUATION

Class assignments

In-class quizzes: Most Fridays, a short in-class quiz will be given via iClicker. Each quiz will include 2-4 questions based on the lecture material from the previous three lectures, unless otherwise noted during class. Each quiz is worth 1% of the final grade (1% x 10 quizzes = 10% of the final grade). You will earn half marks on each question for submitting any answer and full marks for correct answers. These quizzes will help me gauge the class understanding of the course material. You will be able to view your grades through the iClicker app or website and in UM Learn.

Missed quizzes: If you are not present for quizzes or do not submit any answer, you will receive a mark of zero for that quiz. There are no make-up quizzes available. You are not required to complete the quizzes to pass the course.

Field trip assignment: Ahead of the field trip on October 13, you will be given a brief assignment to be completed during or after the field trip. This assignment is due on **October 20** and must be submitted via the designated folder in UM Learn. When submitting to UM Learn, make sure you are selecting the correct file and double check to make sure you have received a ‘submission confirmation’ email from UM Learn to ensure it made it into the assignment folder. Further instructions on the assignment will be given in class.

Late or missed field trip assignments: Late assignments will be docked 20% of the maximum possible grade for each 24-hour period past the deadline, unless you have been granted an extension. Accordingly, assignments submitted 5 or more days after the deadline will receive a

mark of zero. Even after this point, you must still submit the field trip assignment by the last day of class (Dec. 8) to pass the course.

Midterm tests and final examination

There will be two midterm tests and a final exam:

October 18: Midterm 1 will cover the lectures from September 11 to October 6.

November 10: Midterm 2 will cover the lectures from October 18 to November 8.

Final Exam: Scheduled by the University during the final exam period (Dec. 11-21, 2023). The final will be divided into two segments: the first section will cover all the lectures after Midterm 2; the second section will consist of long answer questions that cover information from the entire course. A list of potential long answer questions will be provided ahead of the exam.

Missed Tests: The test schedule is provided well in advance so you can check for potential scheduling conflicts. If you know beforehand that you will not be able to attend a midterm test, you must contact me to make alternate arrangements. In case of illness or other emergency, please see the University of Manitoba's [Self-Declaration for Brief and Temporary Student Absences Policy and Procedure](#). Medical notes are not required for illnesses. If you miss a test without notice, you will receive a grade of zero on the missed test or exam.

Missed Final Exam: If you know that you will not be able to attend the final exam or if an emergency situation causes you to miss the final exam, please refer to the University of Manitoba's [Final exam conflicts and deferral webpage](#). Again, in case of illness or other emergency, please see the University of Manitoba's [Self-Declaration for Brief and Temporary Student Absences Policy and Procedure](#).

Laboratory Assignments

Laboratory assignments are designed to be completed during the laboratory session and handed in before you leave at the end. They will be graded and returned the following week. The concepts will be covered previously in the lectures and/or outlined during the lab session. Please bring your lecture notes to the lab to refer to the material when needed. During some of the lab periods, you will perform calculations and should bring a calculator (can be a phone calculator). If a laptop is required to complete a lab assignment, the instructor will notify the class in advance.

You will work in groups during the lab sessions but are expected to hand in individual lab assignments showing your own work.

Missed Labs and Late Lab Assignments: In-person lab attendance is mandatory. There are no makeup labs. Late lab assignments will receive a grade of zero on that exercise, unless you have been granted an extension. You are not allowed to hand in a lab assignment without attending the lab. You do not need to submit all lab assignments to pass the course but you do need to obtain a passing grade (50% or greater) in the lab component overall to pass the course.

COURSE EVALUATION

Course element	Due Date	% of final grade
Lab component		
Laboratory assignments	End of every lab session (8 labs)	30%
Sub-total		30%
Lecture component		
In-class quizzes	Fridays (except Nov. 10 and breaks)	10%
Field trip assignment	October 20	5%
Midterm 1	October 16	15%
Midterm 2	November 10	15%
Final exam	University final exam period	25%
Sub-total		70%
Total		100%

GRADING

Students must obtain a **passing grade ($\geq 50\%$) in both the lab and non-lab components** to pass the course.

Letter Grade	Percentage out of 100	Final Grade Points
A+	94-100	4.5
A	87-93	4.0
B+	80-86	3.5
B	73-79	3.0
C+	67-72	2.5
C	60-66	2.0
D	50-59	1.0
F	Less than 50	0

EXPECTATIONS

I EXPECT YOU TO:

- **Read and understand the information in this syllabus.**
- **Attend class regularly and punctually.**
- **Prepare for class.** The lecture slides will be provided to you in digital format on the UM Learn course page prior to start of each new section in the class. You are expected to have these slides for reference during class and to supplement them with your own notes from the lectures. Reviewing slides before class will benefit your learning.
- **Attend and actively participate in the field trip and labs.** Field trip and lab attendance is mandatory. These are essential components of the course material.
- **Create and maintain a respectful learning environment:** Sharing knowledge effectively requires mutual respect among students, teaching assistants, and the instructor. All communications and in-person interactions, in and outside of class, are expected to be respectful and professional.

Additional community guidelines will be discussed during one of the first lectures. See the [UM policy on Respectful Work and Learning Environment](#).

- **Complete all coursework with academic integrity**, as outlined below and on the UM website.
- **Communicate any difficulties, concerns, or criticisms** regarding the course with me as early as possible. This will make it more likely that we can work out a solution.

YOU CAN EXPECT ME TO:

- Treat all students with respect.
- Arrive at lecture and lab sessions punctually and well-prepared.
- Grade assessments fairly and provide feedback in a timely manner.
- Respond to your communications in a timely manner.
- Be available for in-person, online, or phone meetings to discuss class material and assignments as needed, providing support to meet your learning goals. I will also be available in the classroom for a few minutes before and after lecture sessions.

COURSE POLICIES

Communications

You must obtain and use your University of Manitoba email account for all communication between yourself and the university. *I will send email messages only to your University of Manitoba email account.* All communication must comply with the Electronic Communication with Student Policy: http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html.

Email is my preferred form of communication to set up appointments or discuss issues related to the course. I will do my best to respond to all emails within 24 hours on weekdays and 48 hours on weekends/holidays. For urgent matters, you may phone or text me but I can't guarantee an immediate response.

I will use UM Learn to send out course announcements and other information. These notices will be sent to your @myumanitoba.ca email address.

Academic Integrity

Each student in this course is expected to complete their coursework and programs of study with integrity by making a commitment to the six fundamental values of honesty, trust, fairness, respect, responsibility, and courage.

In this course, academic integrity looks like referencing the work of others that you have used and completing your assignments independently unless otherwise specified. For assignments/projects where you are encouraged to work in a group or team, ensure that your assignment/project is completed with integrity. You must do your own work during quizzes, tests, and exams.

Please refer to these specific course requirements for academic integrity for individual and group work:

1. Complete your assignments independently unless otherwise specified. You must do your own work during quizzes, exams, and the field trip assignment, without direct help from your class peers, family members, or from tutors that are not approved by the instructor. If you are in need of assistance, please contact the instructor immediately for support and/or to arrange for approved supports.. For lab assignments where you work in a group, you will discuss your activities and results with your group and then complete the assignments individually.
2. Do not share course materials (e.g., notes, exam questions, assignment instructions, article) that have been created by the instructor or were authored by another. Sharing of such materials with your peers or with note-sharing companies is a violation of the Copyright law.
3. Reference the work of others that you have used in your own work. To plagiarize is to take ideas or words of another person and pass them off as one's own. It is not necessary to state the source of well-known or easily verifiable facts, but students are expected to appropriately acknowledge the sources of ideas and expressions they use in their written work, whether quoted directly or paraphrased. Plagiarism applies to any written work, in traditional or electronic format, as well as orally or verbally presented work. This applies to images, diagrams, etc., as well as to written material, and materials or information from Internet sources. To provide adequate and correct documentation is not only an indication of academic honesty but is also a courtesy which enables the reader to consult these sources with ease. Failure to provide appropriate citations constitutes plagiarism.
4. Do not submit lab reports or other types of assignments already graded in another course.

Plagiarism, duplicate submission, cheating on quizzes, tests, and exams, inappropriate collaboration, academic fraud, and personation are violations of the Student Discipline Bylaw and will lead to the [serious disciplinary action](#). Visit the [Academic Calendar](#), [Student Advocacy](#), and [Academic Integrity](#) web pages for more information and support.

Accessibility

Please see the University of Manitoba's Accessibility information under "UM Learner Supports" in Schedule A at the end of this syllabus. You are also welcome to discuss any accessibility concerns you may have with me directly if you feel comfortable doing so.

Attendance

Regular class attendance is highly recommended to gain a full understanding of the course material. Participating in the field trip and labs is required to receive marks for those assignments and to pass the course, unless an exception has been granted.

Assignment Extensions, Late Submissions, and Missed Exams

In case of illness or other extenuating circumstances that cause you to miss labs, tests, or the final exam, please refer to the University of Manitoba's [Self-Declaration for Brief and Temporary Student Absences Policy and Procedure](#). Note that travel, vacations, work, and other scheduled personal obligations are not considered extenuating circumstances.

If unforeseen catastrophic events occur and you require an extension, please contact me to explain the extenuating circumstances under which you are/were not able to meet the deadline.

See the Course Assignments and Evaluations section above for specific requirements for each type of course assignment or assessment.

Recording of lectures:

No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without permission from Dr. Thiessen Martens. Course materials (both paper and digital) are for the participant's private study. If you need to record lectures for accessibility or accommodation reasons, please contact me to discuss options or contact Student Accessibility Services to arrange an accommodation.

Copyright

Please respect copyright. Copyrighted content used in this course is appropriately acknowledged and used according to copyright laws and University guidelines. Copyrighted works, including those created by the instructor, are made available for private study and research and must not be distributed in any format without permission. Do not upload copyrighted works to a learning management system (such as UM Learn), or any website, unless an exception to the Copyright Act applies or written permission has been confirmed. For more information, see the University's Copyright Office website at <http://umanitoba.ca/copyright/> or contact umcopyright@umanitoba.ca.

UM POLICIES

The University of Manitoba has outlined policies and procedures governing the Responsibilities of Academic Staff with Regard to Students (ROASS). "Schedule A" outlines all relevant ROASS policies and can be found below, as well as in the UM Learn materials for this course (Content > Introduction and Syllabus).

UM LEARNER SUPPORTS

The University of Manitoba provides many types of support to help students thrive. In "Schedule A" (below and in UM Learn), you will find a select list of important supports for learners at the UM, both academic supports and otherwise. For a complete listing of all learner supports at the University of Manitoba, visit the [Everything You Need to Thrive](#) website.

SCHEDULE A (Revised February 17, 2023)

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UM Policies

As a student at the University of Manitoba you have rights and responsibilities. It is important for you to know what you can expect from the University as a student and to understand what the University expects from you. Become familiar with the policies and procedures of the University and the regulations that are specific to your faculty, college or school.

The University of Manitoba (UM) website's [Governing Documents](https://umanitoba.ca/governance/governing-documents) (<https://umanitoba.ca/governance/governing-documents>) is one important source of information, in particular the Academic and Students sections. The Student Advocacy office can also help you understand policies and procedures; find their information in the UM Learner Supports section below.

Academic Calendar

The [Academic Calendar](https://umanitoba.ca/registrar/academic-calendar) (<https://umanitoba.ca/registrar/academic-calendar>) is the University's official publication containing course descriptions, program and graduation requirements, as well as UM and faculty/school-specific rules, regulations and policies. In particular, familiarize yourself with the sections *University Policies and Procedures* and *General Academic Regulations*.

Academic Integrity

In addition to reviewing your instructor's academic integrity policy listed in their syllabus, you are expected to view the *General Academic Regulation* section within the [Academic Calendar](https://umanitoba.ca/registrar/academic-calendar) (<https://umanitoba.ca/registrar/academic-calendar>) and specifically read the regulation pertaining to Academic Integrity. Ask your instructor for additional information about demonstrating academic integrity in your academic work, and consult the following UM resources for more information and support:

- [Academic Integrity](https://umanitoba.ca/student-supports/academic-supports/academic-integrity) (<https://umanitoba.ca/student-supports/academic-supports/academic-integrity>)
 - [Student Resources](https://umanitoba.ca/student-supports/academic-supports/academic-integrity#resources-to-conduct-academic-work-with-integrity) (<https://umanitoba.ca/student-supports/academic-supports/academic-integrity#resources-to-conduct-academic-work-with-integrity>)
 - [Academic Misconduct and How to Avoid It](https://umanitoba.ca/student-supports/academic-supports/academic-integrity#academic-misconduct-and-how-to-avoid-it) (<https://umanitoba.ca/student-supports/academic-supports/academic-integrity#academic-misconduct-and-how-to-avoid-it>)
- [Student Advocacy Office](https://umanitoba.ca/student-supports/academic-supports/student-advocacy) (<https://umanitoba.ca/student-supports/academic-supports/student-advocacy>)

Copyright

All students are required to respect copyright as per Canada's *Copyright Act*. Staff and students play a key role in the University's copyright compliance as we balance user rights for educational purposes with the rights of content creators from around the world. The [Copyright Office](https://umanitoba.ca/copyright/) (<https://umanitoba.ca/copyright/>) provides copyright resources and support for all members of the University of Manitoba community.

Grade Appeals

If you have questions about your grades, talk to your instructor. There is a process for term work and final grade appeals. Note that you have the right to access your final examination scripts. See the [Registrar's Office](https://umanitoba.ca/registrar/grades/appeal-grade) (https://umanitoba.ca/registrar/grades/appeal-grade) for more information including appeal deadline dates and the appeal form.

Intellectual Property

For information about rights and responsibilities regarding intellectual property view the [Intellectual Property Policy](https://umanitoba.ca/governance/governing-documents/governing-documents-university-community#intellectual-property) (https://umanitoba.ca/governance/governing-documents/governing-documents-university-community#intellectual-property)

Program-Specific Regulations

For information on regulations that are specific to your academic program, read the section in the Academic Calendar and on the respective [faculty/college/school](https://umanitoba.ca/academics) website (https://umanitoba.ca/academics).

Respectful Work and Learning Environment

The University is committed to a respectful work and learning environment. You have the right to be treated with respect and you are expected to conduct yourself in an appropriate and respectful manner. Policies governing UM community behaviour include:

- [Respectful Work and Learning Environment](https://umanitoba.ca/about-um/respectful-work-and-learning-environment-policy) (https://umanitoba.ca/about-um/respectful-work-and-learning-environment-policy)
- [Student Discipline](https://umanitoba.ca/governance/governing-documents-students#student-discipline) (https://umanitoba.ca/governance/governing-documents-students#student-discipline)
- [Violent or Threatening Behaviour](https://umanitoba.ca/governance/governing-documents-students#violent-or-threatening-behaviour) (https://umanitoba.ca/governance/governing-documents-students#violent-or-threatening-behaviour)

The UM website, [Engaging in Respectful Conduct](https://umanitoba.ca/student-supports/respectful-conduct) (https://umanitoba.ca/student-supports/respectful-conduct), includes more details about expectations for behaviours related to university activities.

Sexual Violence Policies

The UM has several policies and procedures that deal with the rights and responsibilities of the University community with regards to all forms of sexual violence. For a comprehensive list of policies and associated resources, visit the [Sexual Violence Resource Centre's information page](https://umanitoba.ca/student-supports/sexual-violence-support-and-education/sexual-violence-get-informed) (https://umanitoba.ca/student-supports/sexual-violence-support-and-education/sexual-violence-get-informed). Please note that there are many supports available in addition to these policy documents (see UM Learner Supports).

Voluntary Withdrawal

Voluntary withdrawal (VW) is a way for students to leave a class without academic penalty once the Registration Revision Period has ended. If you opt to voluntarily withdraw from a course, you will not be eligible for a refund and, if applicable, will still be required to pay any outstanding tuition fees for the course. On your transcript, the course you have withdrawn from will be listed; however, "VW" will appear in lieu of a grade. If you do not drop a course before the VW deadline, you will receive a final grade in the course on your transcript.

Please note that there are separate deadlines for dropping a course early in a term during the Registration Revision Period. Dropping a course means you are removing that course from your schedule, will not be charged tuition fees for that course, and the course will not appear on your transcript.

The Registrar's Office website, [Withdraw from a Course](https://umanitoba.ca/registrar/withdraw-course) (<https://umanitoba.ca/registrar/withdraw-course>), includes more information on the different ways in which you can withdraw from a course and important dates and deadlines to do so.

UM Learner Supports

Below you will find a select list of important supports for learners at the UM, both academic supports and otherwise. For a complete listing of all learner supports at the University of Manitoba, visit the [Everything You Need to Thrive](https://umanitoba.ca/student-supports) (<https://umanitoba.ca/student-supports>) website.

2SLGBTQIA+ Community

Find your queer community on campus! UM is committed to being an inclusive and welcoming space for all 2SLGBTQ+ students, staff and faculty. Visit the [2SLGBTQ+ Community](https://umanitoba.ca/2slgbtq-community) (<https://umanitoba.ca/2slgbtq-community>) website to access services, find resources, and connect with like-minded people and allies.

Academic Advising

Contact an [Academic Advisor](https://umanitoba.ca/student-supports/academic-supports/academic-advising) (<https://umanitoba.ca/student-supports/academic-supports/academic-advising>) for support with degree planning and questions about your academic program and regulations.

Academic Learning Centre (ALC)

The [Academic Learning Centre](https://umanitoba.ca/student-supports/academic-supports/academic-learning) (<https://umanitoba.ca/student-supports/academic-supports/academic-learning>) offers one-to-one tutoring, groups study sessions and workshops, as well as video and tip-sheet resources to help you throughout your academic program. All Academic Learning Centre programming, supports, and services are free for UM students.

Make an appointment for [free one-to-one tutoring](https://umanitoba.ca/student-supports/academic-supports/academic-learning/tutoring-group-study#individual-tutoring) (<https://umanitoba.ca/student-supports/academic-supports/academic-learning/tutoring-group-study#individual-tutoring>). **Content tutors** (over 90 UM courses) can help you understand concepts and learn problem-solving strategies. **Study skills tutors** can help you improve your skills such as time management

and goal setting, reading and note-taking, as well as learning and test-taking strategies. **Writing tutors** can give you feedback on your academic writing, whether you are just getting started on a written assignment or already have a draft. **English as an Additional Language** specialist, Antoanela Denchuk, is available for one-to-one tutoring to help you improve your English-language academic writing skills. Use the drop-down menu, read the tutor biographies, and make an appointment for tutoring on the [Academic Learning Centre schedule](https://manitoba.mywconline.com/) (<https://manitoba.mywconline.com/>).

Attend [Supplemental Instruction \(SI\)](https://umanitoba.ca/student-supports/academic-supports/academic-learning/tutoring-group-study) (<https://umanitoba.ca/student-supports/academic-supports/academic-learning/tutoring-group-study>) sessions in historically difficult courses (including Chemistry, Engineering, and Computer Science). These free weekly review sessions are facilitated by a peer mentor who has previously taken the course and provide an opportunity to discuss course content, ask questions, compare notes, solve practice problems, and develop study strategies. See online for a list of SI courses and meeting times.

Register for an [Academic Success Workshop](https://umanitoba.ca/student-supports/academic-supports/academic-learning/academic-success-workshops) (<https://umanitoba.ca/student-supports/academic-supports/academic-learning/academic-success-workshops>), where you can learn strategies to improve your writing and studying. More information on topics, dates, and registration, are found online.

Access the Academic Learning Centre's collection of [videos and tip sheets](https://umanitoba.ca/student-supports/academic-supports/academic-learning#tip-sheets-for-writing-and-study-skills) (<https://umanitoba.ca/student-supports/academic-supports/academic-learning#tip-sheets-for-writing-and-study-skills>) to help you with many of the academic tasks you'll encounter in university.

Contact the Academic Learning Centre by calling 204-480-1481 or emailing academic_learning@umanitoba.ca. Bannatyne students can contact the Bannatyne Student Services office at 204-272-3190.

Basic Needs

It can be difficult to learn and succeed in courses when you are struggling to meet your or your family's basic needs. Several UM and community resources are listed below if you would benefit from support with regards to housing, food, finances, and/or childcare:

- *Housing*
 - [UM Housing](https://umanitoba.ca/housing) (<https://umanitoba.ca/housing>)
 - [Winnipeg Rental Network](https://www.winnipegrentnet.ca/) (<https://www.winnipegrentnet.ca/>)
 - [Manitoba Residential Tenancies Branch](https://www.gov.mb.ca/cca/rtb/) (<https://www.gov.mb.ca/cca/rtb/>)
 - [HOPE End Homelessness Winnipeg Services & Supports](https://umanitoba.ca/housing) (<https://umanitoba.ca/housing>)
- *Food*
 - [U of M Food Bank](https://umanitoba.ca/financial-aid-and-awards/u-m-food-bank) (<https://umanitoba.ca/financial-aid-and-awards/u-m-food-bank>)
 - [Food Matters Manitoba](https://foodmattersmanitoba.ca/find-emergency-food-in-winnipeg/) (<https://foodmattersmanitoba.ca/find-emergency-food-in-winnipeg/>)
- *Finances*
 - [UM Financial Aid and Awards](https://umanitoba.ca/financial-aid-and-awards) (<https://umanitoba.ca/financial-aid-and-awards>)

- [Manitoba Student Aid](https://www.edu.gov.mb.ca/msa/) (https://www.edu.gov.mb.ca/msa/)
- *Child Care*
 - [UM Child Care](https://umanitoba.ca/about-um/child-care) (https://umanitoba.ca/about-um/child-care)
 - [Manitoba Child Care Subsidy](https://bit.ly/3yG3ijy) (https://bit.ly/3yG3ijy)
 - [Manitoba Child Care Association](https://mccahouse.org/looking-for-child-care/) (https://mccahouse.org/looking-for-child-care/)

English Language Centre

The [English Language Centre \(ELC\)](https://umanitoba.ca/english-language-centre) (https://umanitoba.ca/english-language-centre) provides courses, tests, accommodations and individual support to students whose first language is not English in order to support academic success and participation in the University of Manitoba community.

Health and Wellness

Physical, mental, emotional, and spiritual health and wellness play a critical role in student success. See all of UM's resource on their [Health and Wellness](https://umanitoba.ca/student-supports/student-health-and-wellness) (https://umanitoba.ca/student-supports/student-health-and-wellness) website, and make note of several specific UM and community supports listed below.

Winnipeg Urgent Physical and Mental Health Care

If you are an adult experiencing a mental health or psychosocial crisis, contact the [Klinik Community Health](https://klinik.mb.ca/crisis-support/) (https://klinik.mb.ca/crisis-support/) 24/7 crisis line at 204-786-8686, visit the [Crisis Response Centre](https://sharedhealthmb.ca/services/mental-health/crisis-response-centre/) (https://sharedhealthmb.ca/services/mental-health/crisis-response-centre/) located at 817 Bannatyne Avenue, or contact the Mobile Crisis Service at 204-940-1781.

To speak with a nurse for guidance on what health-care path to take for the issue you are facing or for general information about health resources available in Manitoba, contact [Health Links](https://misericordia.mb.ca/programs/phcc/health-links-info-sante/) (https://misericordia.mb.ca/programs/phcc/health-links-info-sante/) at 1-888-315-9257 (toll free).

If you need urgent medical care, visit the Winnipeg Regional Health Authority's [Emergency Department & Urgent Care Wait Times](https://wrha.mb.ca/wait-times/) webpage (https://wrha.mb.ca/wait-times/) for a list of locations and current wait times.

Student Counselling Centre (SCC)

The [Student Counselling Centre](https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc) (https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc) provides free counselling and mental health support to UM, English Language Centre, and International College of Manitoba (ICM) students. We are open year-round, Monday through Friday from 8:30 am to 4:30 pm. Our commitment is to offer a support service to every student who contacts us.

Visit the SCC's [For Urgent Help](https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc#for-urgent-help) (https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc#for-urgent-help) webpage or the urgent care resources listed above if you require immediate support.

Visit the SCC's [Our Services](https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc#for-urgent-help) (https://umanitoba.ca/student-supports/student-health-and-wellness/student-counselling-centre-scc#for-urgent-help) webpage for more information on accessing a variety of services including individual counselling, counselling workshops and groups, support resources, and learning disability assessment services.

The SCC is located is located at 474 UMSU University Centre (Fort Garry Campus).

Health and Wellness Office

Students often juggle multiple demands, and we recognize that it can be difficult to find balance. For any changes you want to make to your health and wellness, the Health and Wellness Office at the University of Manitoba would like to support you in your journey. We are here to help you take control of your own health and make your own decisions. We are a judgment-free space and we avoid labels whenever possible. For more information, please visit the [Health and Wellness Office](https://umanitoba.ca/student-supports/health-wellness) (https://umanitoba.ca/student-supports/health-wellness) website.

Spiritual Care and Multifaith Centre

Spiritual care services are available to all, whether you identify as spiritual, atheist, religious or agnostic. [Spiritual Services](https://umanitoba.ca/student-supports/spiritual-services) (https://umanitoba.ca/student-supports/spiritual-services) also offer specific denominational support for certain religious groups and by Indigenous Elders-in-Residence.

Student Support Case Management (SSCM)

Contact the [Student Support Case Management team](https://umanitoba.ca/student-supports/academic-supports/student-advocacy/case-management) (https://umanitoba.ca/student-supports/academic-supports/student-advocacy/case-management) if you are concerned about yourself or another student and don't know where to turn. SSCM helps connect students with on and off campus resources, provides safety planning, and offers other supports, including consultation, educational workshops, and referral to the STATIS threat assessment team.

University Health Service (UHS)

The [University Health Service](https://umanitoba.ca/student-supports/health-wellness/university-health-service) (https://umanitoba.ca/student-supports/health-wellness/university-health-service) offers a full range of medical services to students, including psychiatric consultation, via two health clinics:

- Fort Garry Campus: (204) 474-8411, ACW-Lot temporary trailer (behind the Isbister building)
- Bannatyne Campus: (204) 474-8411, P309 – Pathology Building

Student Services at Bannatyne Campus

Student Services at Bannatyne Campus (SSBC) offers a full range of mental health supports to students and residents in the Rady Faculty of Health Sciences, along with other academic and personal supports. Visit the [SSBC website](https://umanitoba.ca/student-supports/student-services-bannatyne-campus) (https://umanitoba.ca/student-supports/student-services-bannatyne-campus) for a list of services available.

Indigenous Students

Staff, faculty and Elders are well-equipped to ensure your university experience is as beneficial, accessible, and successful as possible. Visit the Indigenous [Student Experience](https://umanitoba.ca/indigenous/student-experience) (<https://umanitoba.ca/indigenous/student-experience>) website for more information on the supports and services available.

International Students

The transition to a new country and a new academic system can be both exciting and overwhelming. The International Centre (IC) is here to help you settle into life at University of Manitoba. Visit the [International Students](https://umanitoba.ca/current-students/international) website (<https://umanitoba.ca/current-students/international>) for more information.

Sexual Violence Support and Education

Sexual violence affects people of all ages, sexual orientations, genders, gender identities, abilities and relationship statuses. At the U of M, we are committed to ensuring a respectful work and learning environment for all. We want to build a safe and inclusive campus community where survivors of sexual violence know they can receive the supports they need to succeed, both academically and personally.

The [Sexual Violence Resource Centre](https://umanitoba.ca/sexual-violence) (<https://umanitoba.ca/sexual-violence>), located at 537 UMSU University Centre (Fort Garry campus) provides support, resources, information and referral services for any student, faculty or staff member who has been affected by sexual violence.

Student Accessibility Services (SAS)

The University of Manitoba is committed to providing an accessible academic community. [Student Accessibility Services](https://umanitoba.ca/student-supports/accessibility) (<https://umanitoba.ca/student-supports/accessibility>) offers academic accommodation supports and services such as note-taking, interpreting, assistive technology and exam accommodations. Students who have, or think they may have, a disability (e.g., mental health, learning, medical, hearing, injury-related, visual) are invited to contact SAS to arrange a confidential consultation. SAS is located at 520 University Centre (Fort Garry Campus). Phone: (204) 474-7423. Email: Student_accessibility@umanitoba.ca

Student Advocacy

[Student Advocacy](https://umanitoba.ca/student-supports/academic-supports/student-advocacy) (<https://umanitoba.ca/student-supports/academic-supports/student-advocacy>) is a safe place for students. We help you navigate university processes and advocate for your rights as a student at UM. If anything in your personal or academic life is affecting your studies, contact our confidential intake assistant by phone (204-474-7423) or email (stadv@umanitoba.ca).

University of Manitoba Libraries (UML)

As the primary contact for all research needs, your liaison librarian can play a key role when completing academic papers and assignments. Liaisons can answer questions about managing citations, or locating appropriate resources, and will address any other concerns you have about the research process. Liaisons can be contacted by email or phone, and are also available to meet with you online or in-person. A [complete list of liaison librarians can be found by subject](http://bit.ly/WcEbA1) (<http://bit.ly/WcEbA1>).

General library assistance is also available at both the Bannatyne and Fort Garry campuses by [visiting any library location](https://www.umanitoba.ca/libraries/locations-and-facilities) (<https://www.umanitoba.ca/libraries/locations-and-facilities>). When working online, students can receive help via the Ask Us chat button found on the right-hand side of the [Libraries' homepage](http://www.umanitoba.ca/libraries) (<http://www.umanitoba.ca/libraries>).