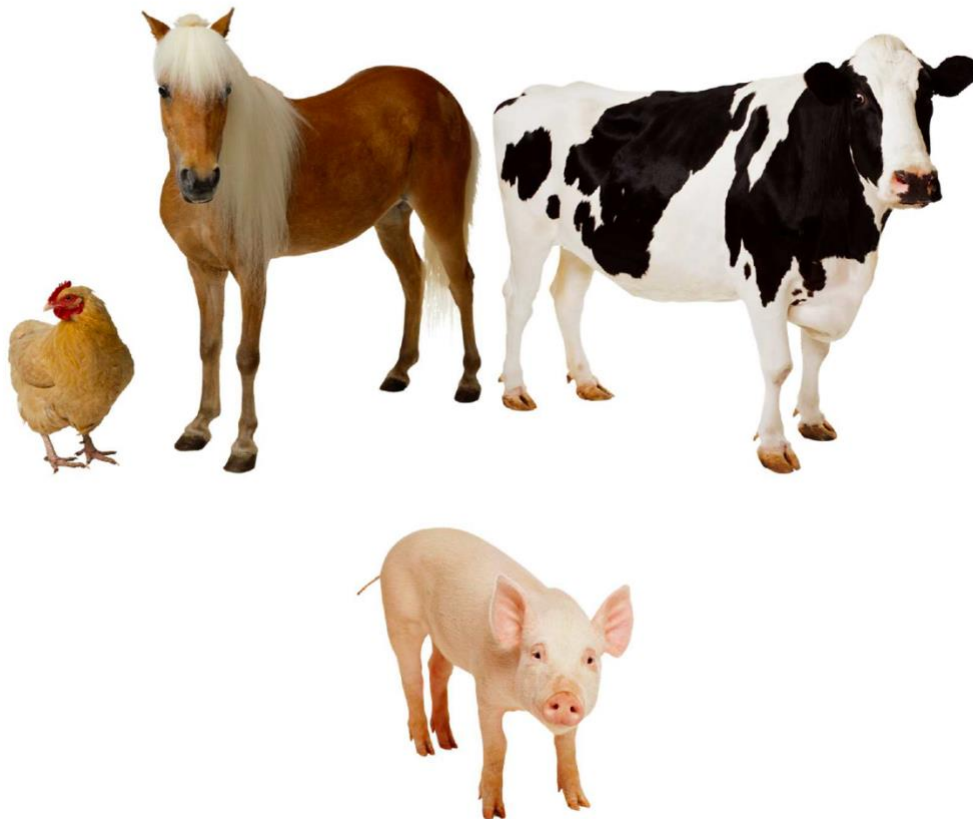




**University
of Manitoba**

**University of Manitoba
Faculty of Agricultural and Food Sciences
Department of Animal Science**



Anatomy and Physiology 2 - Nutrient Utilization

Winter 2024

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Course Details

Course Title: Anatomy and Physiology 2 - Nutrient Utilization

Course Number: ANSC 2520

Term: Winter 2024

Credit Hours: 3

Pre-requisites: ANSC 2510

Co requisite: None

Class Times & days: 10:30 - 11:20 AM on Mondays, Wednesdays, and Fridays

Class location: Room 107 Animal Science

Lab/tutorial times & days: 2:30 - 5:25 PM on Wednesdays (check course schedule)

Lab/tutorial location: Room 142 Animal Science

Instructor Contact Information

Instructor Name: Dr. Hooman Derakhshani

Assistant Professor, Department of Animal Sciences

Email: Hooman.Derakhshani@umanitoba.ca

Email is the preferred method of communication. Always use your UofM email account for all communications. Include course number (ANSC 2520) in the subject line followed by a brief description of your email (e.g., "ANSC 2520 - Request for Appointment"). I will reply to your emails within 48h during weekdays. I do not check/reply emails during weekends.

Office location: Room 230 Animal Science Building

Office Phone: (204) – 474 9102

Office/Student/Learner Hours: 1:00 – 2:00 PM (Mon/Wed/Fri)

I am always happy to meet with you and address any questions or concerns you may have regarding the course material, labs, assignments or exams. If you would like to have an appointment outside the office hours, please email me to set up a meeting.

Traditional Territory/Land Acknowledgment

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.

Equity and Inclusion Commitment

My most important mission in the classroom is to foster a positive, safe, and intellectually stimulating environment in which you (students) feel comfortable to express yourself, ask questions, participate in discussions and share ideas. This class welcomes everyone regardless of nationality, ethnicity, sexual orientation, gender identity, religion, or physical appearance. We all have the right to be treated with respect and are also expected to conduct ourselves in a respectful manner. We might have different opinions and beliefs. But we should be open to listen and learn from each other, and if in disagreement, express it in a friendly manner. Violence, negative attitudes, and microaggressions have no place in this classroom. Instead, let's help each other build a supportive and fun environment that we can all enjoy. I am always available to listen to your concerns/suggestions.

Course Description

U of M Course Calendar Description

The digestion, absorption and utilization of nutrients by farmed species. Basic characteristics of the digestive system, aspects of regulation of feed intake and rates of passage, intermediary metabolism of nutrients, growth and development, health and other factors influencing nutrient utilization.

General Course Description

Course goal: This course aims to provide students with a solid understanding of the functions of the digestive system and biological processes involved in digestion, absorption and utilization of nutrients in different species of farm animals.

The course content, including lectures, class discussions, labs, assignments and exams are designed to encourage active learning, critical thinking and improve oral and written communication skills of students. Please read through the syllabus at the beginning of the semester to ensure you understand how the overall performance in this course will be assessed. Active class participation, two term tests, lab exercises and assignments, a case study and presentation, and a final examination are the main components of evaluation for this course.

Course Learning Outcomes

By the end of this course, students will be able to:

- Describe the main functions of the digestive system in livestock
- Compare the digestive systems of different species of farm animals
- Define major classes of nutrients and their contribution to energy requirements and well-being of farm animals
- Describe how nutrients are digested, absorbed and utilized by livestock

Course Materials

Required Materials

There is no required textbook for this course. Readings, lecture PowerPoints, assignments, and exam revision questions will be posted on UM Learn.

Recommended/ reference texts:

Cheeke, P.R. 2005. Applied Animal Nutrition (3rd edition), Pearson/ Prentice Hall Publishers

Wu, G. 2018. Principles of Animal Nutrition, CRC Press.

Books can be found at the library of the University of Manitoba. If not, please reach out to me and I will do my best to provide a copy for your temporary use.

Supplies

Students are encouraged to bring their own lab coats and dissection kits, if available. If not, please let me know in advance of the labs and we will provide you.

Technology

It is the general University of Manitoba policy that all technology resources are to be used in a responsible, efficient, ethical and legal manner. The student can use all technology in classroom setting only for educational purposes approved by instructor and/or the University of Manitoba Disability Services. You can use your smart phones, laptops and/or tablets to participate in iClicker activities for which you will be provided training during the first class. However, you should not participate in personal direct electronic messaging or posting activities (e-mail, texting, video or voice chat, wikis, blogs, social networking, or gaming during scheduled class time. If student is on call (emergency) the student should switch his/her cell phone on vibrate mode and leave the classroom before using it. Students are not to record lectures or post lectures in any online formats. Videos that have been posted are for the students' personal educational use and not for redistribution.

UM Learn

Readings, lecture PowerPoints, assignments, and lab videos' links will be posted on UM Learn in preparation for each class. Please get into the habit of checking UM Learn regularly.

Course Schedule

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students but such changes are subject to [Section 2.8 of ROASS](https://umanitoba.ca/governance/governing-documents-academic#responsibilities-of-academic-staff-with-regard-to-students) (<https://umanitoba.ca/governance/governing-documents-academic#responsibilities-of-academic-staff-with-regard-to-students>).

Date	Lecture #	Lecture material
January 8	01	Introduction to the course
January 10	02	Nutrients - 1
January 12	03	Nutrients - 2
January 15	04	Digestive systems and gastric mechanical functions - 1
January 17	05	Digestive systems and gastric mechanical functions - 2
January 19	06	Accessory glands and epithelial tissue of the digestive tract
January 22	07	Monogastric digestion - 1
January 24	08	Monogastric digestion - 2
January 26	09	Ruminant digestion - 1
January 29	10	Ruminant digestion - 2
January 31	11	Avian digestion
February 2	-	Revision (Lectures 2-11)
February 5	-	TERM TEST ONE (Lectures 2-11)
February 7	-	Class discussion - Case Study Topics
February 9	12	Carbohydrates – Ruminants
February 12	13	Carbohydrates - Monogastrics (Dr. Anna Rogiewicz)
February 14	14	Carbohydrates - Monogastrics (Dr. Anna Rogiewicz)
February 16	15	Lipids
February 19	-	Louis Riel Day – No Classes
February 21	-	Winter Term break: No classes
February 23	-	Winter Term break: No classes
February 26	16	Proteins – 1 (Dr. Anna Rogiewicz)
February 28	17	Proteins – 2 (Dr. Kees Plaizier)
March 1	18	Fat soluble vitamins - 1
March 4	19	Fat soluble vitamins - 2
March 6	20	Mineral metabolism - 1
March 8	21	Mineral metabolism - 2
March 11	22	Water soluble vitamins (no class – lecture material will be posted online)
March 13	-	Revision (Lectures 12-22)
March 15	-	TERM TEST TWO (Lectures 12-22)
March 18	-	No Class
March 20	-	Student Presentations
March 22	-	Student Presentations
March 25	-	Student Presentations
March 27	-	Student Presentations
March 29	-	Good Friday – No Class
April 1	-	Student Presentations
April 3	-	Student Presentations
April 5	-	Student Presentations
April 8	-	Student Presentation
April 10	-	Review

April 12-26	-	Examination and test dates
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Labs/Tutorials

Expectations

I expect students to fully participate in laboratory and tutorial activities. Students are not required to have completed any safety training such as WHMIS because student participation is kept to a minimum / observation only. Students will be expected to complete laboratory exercises during the lab period and submit the corresponding assignments for each lab before the deadlines. We are not able to provide make-up exercises for missed labs.

Lab Schedule

Lab	Date	Topic
1	January 24	Monogastric digestive system
2	January 31	Ruminant digestive system
3	February 14	Avian digestive system
4	March 20	Reserved for Student Presentations
5	March 27	Reserved for Student Presentations
6	April 3	Reserved for Student Presentations

Course Evaluation/Assessments

Summary

Due Date:	Assessment Tool	Value of Final Grade, %
As per Class schedule	Term Test 1	20
As per Class schedule	Term Test 2	20
As per lab schedules	Lab assignments	15
As per Class schedule	Case study / Presentation	15
Not applicable	Class Participation	10
TBA	Final Exam	20

Assessment Descriptions

Each **term test** will be composed of multiple-choice questions (15 marks), short answer questions (15 marks) and long answers (20 marks). There are 50 total marks for each term test. Term test-1 will cover lectures 2-11 and term test-2 lectures 12-22. The **final examination** will have the components described above (multiple-choice, short- and long-answer questions) and will cover all lectures (2-21), student case-studies/presentations, as well as materials covered in labs. **Laboratory assignments** are composed of two parts; identification of different sections of the digestive tract (using photos), and 2-3 short and long-answer questions regarding the role and functions of different sections. For **class participation**: throughout the semester we will have

class discussions and quizzes (e.g., iClicker polls and questions) to evaluate the learning progress of students. These are formative assessments and therefore not to be graded based on the correctness of answers, but rather based on active and thoughtful participation in class activities. For **case study and presentation**, the total mark is 15, divided between the two-page summary (7.5 point) and the student presentation (7.5 point).

Bonus marks: students with 3 or less missed classes throughout the semester who actively participate in class discussions, iClicker polls and quizzes, and labs, will earn a 0.5 jump in their final grade point at the discretion of the instructor (e.g., A => A+). This is to ensure you receive credit for your commitment to the course and exceptional performance.

Important note regarding missed exams/assignments:

- **All assignments must be submitted to pass the course** (including lab assignments and the case study). Late submissions will result in 10% penalty within one week past the deadline, and 25% penalty afterwards.
- **Students are strongly encouraged to attend both term tests.** If any of the two term tests are missed, the other term test and the final exam each will account for 30 points. If both term tests are missed (which should never happen!), the final exam will account for 60 points.

Case Studies / Student Presentations

A list of topics will be provided to students in class on Feb 7th. Students will be assigned to groups of 2-3, and each group will be given the chance to select a topic from the provided list or pick another topic in consultation with me. Below you will find the general formatting guidelines for the 3-page case-study report, the details will be discussed in class on Feb 7th.

Three-page Summary Format

I General Guidelines:

- Provide enough information for the readers so that they can grasp the topic in a clear and concise fashion.
- Minimum of 3 key referenced papers to be used for discussion.
- Target audience are your peers so avoid overuse of unfamiliar acronyms and define where appropriate.
- At the end of the summary, provide your peers with 3 review questions pointing out to the most important concepts you have covered. This should include one multiple choice question, one short-answer question (e.g. fill in the blank question or a 1-2 key word answers), and a long-answer question requiring description of a concept/biological process. NOTE: Be mindful about these revision questions! These, with some minor modifications, will be used for the final examination (yes, you are given the chance to design your final exam questions!).

II Formatting Guidelines:

- A three-page summary including references.
- Font: Times New Roman, Size 12.

- Single space. Margins: 2.54 cm.
- Include your names in the header area. Include page numbers.
- General formatting (headings, units, abbreviations, etc.) as per Canadian Journal of Animal Science format.
- Acceptable references include: journal articles, books, conference proceedings, theses. Wikipedia is not a permitted reference source.
- References should be cited in the body of the paper using the same format as that adopted by the Canadian Journal of Animal Science.
- A complete reference list should be provided at the end of the summary (Canadian Journal of Animal Science format). The reference list is not inclusive in the 2-page summary, you can add those to an extra page.

Presentation Guideline

- I Length:* 15 min of presentation + 5 to 8 min of questions and discussion.
- II Format:* will be discussed in class on Feb 7th

Submissions and Deadlines

Submit your 3-page summary in .docx format and your slides in .ppt format to me (instructor!). I will share both documents with the class. Deadline for submission is the day of your presentation before the class starts. Late submissions are discouraged and may not be accepted without valid reasons (such as a doctor's note etc.). Even where such submissions are accepted, they will attract a 10% reduction in the final mark achieved. \

Peer Evaluation of Case-Study assignment/presentation:

For group assignments, a peer evaluation process will be employed to ensure effective group dynamics. This involves assessing the contribution of each group member to group activities. The peer evaluation mark for each member will be an average of the points received through this process. To provide a rating, each student will individually rank all other members in their group on a scale of 0 to 10. A rating of 10 signifies full contribution, deserving of the entire group mark, while ratings below 10 indicate varying degrees of contribution. Factors to consider during evaluation include punctuality, the quality and quantity of ideas contributed, the quality and quantity of work produced, and the ability to foster group cohesion towards completion of the project. The final mark assigned to case study presentation of each group will be calculated through class peer evaluation (50%) and instructor (50%). The final mark for the 3-page written summary will be assigned by the instructor and assigned to group members based on their respective peer evaluation scores. This approach ensures a comprehensive assessment of individual contributions to the collaborative effort!

Assignment Feedback

Case study assignment: I encourage students to share their case-study and presentation with me a few days in advance of their presentation day (ideally a week but minimum 4 working days in advance) so that I can provide feedback to improve the quality of the final work presented in the class. Students can either email me a copy of their case-study and presentation or request an in-person meeting to discuss their progress and review the presentation together. Requests for meeting should be submitted at least a week in advance of their scheduled presentation. Once the final case-study is submitted, students can expect to receive their graded assignments within one week of submission. Once graded, marks will be uploaded to UMLearn.

Grading

Letter Grade	Percentage out of 100	Grade Point Range	Final Grade Point
A+	92-100	4.25-4.5	4.5
A	83-91	3.75-4.24	4.0
B+	76-82	3.25-3.74	3.5
B	70-75	2.75-3.24	3.0
C+	65-69	2.25-2.74	2.5
C	60-64	2.0-2.24	2.0
D	50-59	Less than 2.0	1.0
F	Less than 50		0

Course Policies

- **All assignments must be submitted to pass the course** (including lab assignments and the case study).
- As a courtesy to both the instructors and your classmates, please avoid distractions as much as possible during the class time.

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.

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

- i. Unless otherwise stated, complete your assignments, quizzes, tests, and exams by yourself with no 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.

- II. 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 person. Unpermitted sharing of such materials with your peers or with note-sharing companies, such as One Class, Course Hero, or Chegg (or other similar websites), is a violation of Copyright Law.
- III. Group members must ensure that a group project adheres to the principles of academic integrity. This means that all students are required to check that all sourced material has been cited and referenced.
- IV. Students should review specific instructions concerning study groups and individual assignments.
- V. 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

The University of Manitoba is committed to providing an accessible academic community. [Students Accessibility Services \(SAS\)](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 illness, learning, medical, hearing, injury-related, visual) are invited to contact SAS to arrange a confidential consultation.

520 University Centre

(204) 474-7423

Student_accessibility@umanitoba.ca

Attendance

I expect you to attend all classes and labs. If for any reason you need to skip a class, please communicate with me in advance or shortly after the missed session ([Self-Declaration for Brief and Temporary Student Absences Policy and Procedure](#)). There will not be any make-up exercises for missed labs. If you miss a lab, it is your responsibility to communicate with other students and the instructor to obtain a copy of the lab assignment (also posted on UMLearn), complete it, and submit it to instructor before the deadline (please check our guideline for late submissions).

Assignment Extension and Late Submission Policy

Deadline for the submission of each lab assignment will be included in the questionnaire provided to students. You are expected to respect those deadlines, late submissions without valid reasons will result in a 10% penalty within one week past the deadline, and 25% penalty afterwards.

Deadline for the submission of the case-study is the day of your presentation before the class starts. Late submissions are discouraged and may not be accepted without valid reasons. I encourage you to develop the case-study over time and meet with me in person a week or two in advance of the deadline to receive feedback on the progress and avoid last minute rush/stress. While unexpected can happen (and I respect your right for temporary absence [Self-Declaration for Brief and Temporary Student Absences Policy and Procedure](#)), I expect you to be respectful of your classmates and attend your case-study presentation on the day we have agreed upon. It is not possible to re-schedule student presentations. If you miss your presentation day, its grade will be assigned based on the average grades of your two term tests.

Class Communication

You are required to obtain and use your University of Manitoba email account for all communication between yourself and the university.

Please note that all communication between you and myself must comply with the electronic communication with student policy: http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html.

Recording Class 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. Hooman Derakhshani. Course materials (both paper and digital) are for the participant's private study and research.

Referencing Style

Assignments should use the citation format adopted by the Canadian Journal of Animal Science: <https://cdnsiencepub-com.uml.idm.oclc.org/authors-and-reviewers/author-guidelines>

Make sure you cite only literature that is highly relevant and avoid multiple citations on the same point. Check each reference with the original article and refer to it in the text by the author and date. Examples of correct citations:

Following the overnight incubation, membranes were washed (6×10min) in 1×TBS with 0.1% Tween-20 and incubated at room temperature for 1 h with a secondary donkey anti-rabbit HRPconjugated IgG (1:10 000 dilution in 6% skim milk powder, Promega) (Yang et al. 2016).

Gozho et al. (2005) used a threshold of a rumen pH depression between pH 5.2 and 5.6 for at least 3 h/day, and feed intake was only reduced and inflammation only occurred at equal or greater rumen pH depressions.

Studies by Gozho et al. (2007) and Khafipoor et al. (2006) showed that grain-induced SARA also increased SAA in lactating dairy cows (Table 1).

List multiple references in the text in chronological order. Use “et al.” when there are more than two authors but give all authors in the reference list at the end of your assignment.

Technology Use

It is the general University of Manitoba policy that all technology resources are to be used in a responsible, efficient, ethical, and legal manner. Please make yourself familiar with UM policies regarding all University-related activities, including those happening in online environments such as social media platforms. [Respectful Work and Learning Environment policy \(RWLE\) \(https://bit.ly/3OxGtnd\)](https://bit.ly/3OxGtnd).

Using Copyrighted Material

Please respect copyright. We will use copyrighted content in this course. I have ensured that the content I use is appropriately acknowledged and is copied in accordance with copyright laws and university guidelines. Copyrighted works, including those created by me, 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 (e.g., Course Hero, Chegg, etc.), unless an exception to the Copyright Act applies or written permission has been confirmed. For more information, see the [University’s Copyright Office website \(http://umanitoba.ca/copyright/\)](http://umanitoba.ca/copyright/) or contact um_copyright@umanitoba.ca.

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 provides copyright resources and support for all members of the University of Manitoba community. Visit <http://umanitoba.ca/copyright> for more information.

UM Policies

Please visit the following links for a full list and descriptions of University of Manitoba policies and supports in accordance with the [ROASS Policy \(https://bit.ly/3zr66BR\)](https://bit.ly/3zr66BR), [ROASS Procedures \(https://bit.ly/3MqZeY7\)](https://bit.ly/3MqZeY7), and [ROASS Schedule A \(https://bit.ly/3tk5PNs\)](https://bit.ly/3tk5PNs)

UM Learner Supports

Student Support Services: Here is a list of academic supports available to Students, such as the Academic Learning Centre, Libraries, and other supports as may be appropriate:

Writing and Learning Support

The Academic Learning Centre (ALC) offers services that may be helpful to you throughout your academic program. Through the ALC, you can meet with a learning specialist to discuss concerns such as time management, learning strategies, and test-taking strategies. The ALC also offers peer supported study groups called Supplemental Instruction (SI) for certain courses that students have typically found difficult. In these study groups, students have opportunities to ask questions, compare notes, discuss content, solve practice problems, and develop new study strategies in a group-learning format.

You can also meet one-to-one with a writing tutor who can give you feedback at any stage of the writing process, whether you are just beginning to work on a written assignment or already have a draft. If you are interested in meeting with a writing tutor, reserve your appointment two to three days in advance of the time you would like to meet. Also, plan to meet with a writing tutor a few days before your paper is due so that you have time to work with the tutor's feedback.

These Academic Learning Centre services are free for U of M students. For more information, please visit the Academic Learning Centre website at: <http://umanitoba.ca/student/academiclearning/>

You can also contact the Academic Learning Centre by calling 204-480-1481 or by visiting 205 Tier Building.

University of Manitoba Libraries (UML)

As the primary contact for all research needs, your liaison librarian can play a vital 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 may have, regarding the research process. Liaisons can be contacted by email or phone, and are also available to meet with you in-person. A complete list of liaison librarians can be found by subject: <http://bit.ly/WcEbA1> or name: <http://bit.ly/1tJ0bB4>. In addition, general library assistance is provided in person at 19 University Libraries, located on both the Fort Garry and Bannatyne campuses, as well as in many Winnipeg hospitals. For a listing of all libraries, please consult the following: <http://bit.ly/1sXe6RA>. When working remotely, students can also receive help online, via the Ask-a-Librarian chat found on the Libraries' homepage: www.umanitoba.ca/libraries.

Student Counselling Centre

Contact SCC if you are concerned about any aspect of your mental health, including anxiety, stress, or depression, or for help with relationships or other life concerns. SCC offers crisis services as well as individual, couple, and group counselling. *Student Counselling Centre:* <http://umanitoba.ca/student/counselling/index.html>

474 University Centre or S207 Medical Services

(204) 474-8592

Student Support Case Management

Contact the Student Support Case Management team 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.

Student Support Intake Assistant <http://umanitoba.ca/student/case-manager/index.html>

520 University Centre

(204) 474-7423

University Health Service

Contact UHS for any medical concerns, including mental health problems. UHS offers a full range of medical services to students, including psychiatric consultation.

University Health Service <http://umanitoba.ca/student/health/>

104 University Centre, Fort Garry Campus

(204) 474-8411 (Business hours or after hours/urgent calls)

Health and Wellness

Contact our Health and Wellness Educator if you are interested in [peer support from Healthy U](#) or information on a broad range of health topics, including physical and mental health concerns, alcohol and substance use harms, and sexual assault.

Health and Wellness Educator <https://umanitoba.ca/student/health-wellness/welcome-about.html>

britt.harvey@umanitoba.ca 469 University Centre (204) 295-9032

Live Well @ UofM

For comprehensive information about the full range of health and wellness resources available on campus, visit the Live Well @ UofM site:

<http://umanitoba.ca/student/livewell/index.html>

Your rights and responsibilities

As a student of 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 [Academic Calendar](http://umanitoba.ca/student/records/academiccalendar.html) <http://umanitoba.ca/student/records/academiccalendar.html> is one important source of information. View the sections *University Policies and Procedures* and *General Academic Regulations*.

While all of the information contained in these two sections is important, the following information is highlighted.

- 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 website for more information including appeal deadline dates and the appeal form <http://umanitoba.ca/registrar/>
- You are expected to view the General Academic Regulation section within the Academic Calendar and specifically read the **Academic Integrity** regulation. Consult the course syllabus or ask your instructor for additional information about demonstrating academic integrity in your academic work. Visit the Academic Integrity Site for tools and support <http://umanitoba.ca/academicintegrity/> View the **Student Academic Misconduct** procedure for more information.
- The University is committed to a respectful work and learning environment. You have the right to be treated with respect and you are expected conduct yourself in an appropriate respectful manner. Policies governing behavior include the:

Respectful Work and Learning Environment

http://umanitoba.ca/admin/governance/governing_documents/community/230.html

Student

Discipline

http://umanitoba.ca/admin/governance/governing_documents/students/student_discipline.html

and,

Violent

or

Threatening

Behaviour

http://umanitoba.ca/admin/governance/governing_documents/community/669.html

- If you experience **Sexual Assault** or know a member of the University community who has, it is important to know there is a policy that provides information about the supports available to those who disclose and outlines a process for reporting. The **Sexual Assault** policy may be found at: http://umanitoba.ca/admin/governance/governing_documents/community/230.html More information and resources can be found by reviewing the Sexual Assault site <http://umanitoba.ca/student/sexual-assault/>

For information about rights and responsibilities regarding **Intellectual Property** view the policy: https://umanitoba.ca/admin/governance/governing_documents/community/235.html

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 web site <http://umanitoba.ca/faculties/>

Contact an **Academic Advisor** within our faculty/college or school for questions about your academic program and regulations <http://umanitoba.ca/academic-advisors/>

Student Advocacy

Contact Student Advocacy if you want to know more about your rights and responsibilities as a student, have questions about policies and procedures, and/or want support in dealing with academic or discipline concerns.

<http://umanitoba.ca/student/advocacy/>

520 University Centre

204 474 7423

student_advocacy@umanitoba.ca