

THE UNIVERSITY OF WINNIPEG
DEPARTMENT OF GEOGRAPHY
STATISTICAL TECHNIQUES IN ENVIRONMENTAL
ANALYSIS
2023 FALL TERM
September 5th – December 20th, 2023



Lectures: GEOG-2309-001
In-Person: Mon/Wed/Fri 8:30 – 9:20am
Classroom: 4CM13

Instructor: Dr. Jay Maillet
Office – 5L04 (Lockhart Hall)
Cell: 306-850-9445
Office: 204-786-9886
E-mail : j.maillet@uwinnipeg.ca
Office Hours:

- In-Person (*or zoom by request):
 - Tuesday 11:30am – 12:30pm
 - Wednesday 10:30am – 11:30am

* or by appointment
My Personal Zoom Meeting Room
<https://zoom.us/j/2336096379>

Lab Coordinator: Dr. Jay Maillet E-mail: j.maillet@uwinnipeg.ca

Teaching Assistant: XXXX E-mail: xxxx@webmail.uwinnipeg.ca

Labs:

Section	Day	Time	Room	Instructor
GEOG-2309L-070	Wednesday	9:30 – 10:20	5L23	J. Maillet
GEOG-2309L-071	Friday	9:30 – 10:20	5L23	J. Maillet
GEOG-2309L-072	Friday	10:30 – 11:20	5L23	J. Maillet

Course Nexus: Use your WebAdvisor User ID and password
Login at: <https://nexus.uwinnipeg.ca>

Lab Nexus: Materials for Labs (070 - 072) are posted on a separate Nexus site.

Note: You should have access to both the course and lab Nexus pages, please alert the instructor if this is not the case.

This course is Nexus enhanced. All information posted on the Nexus site for this course is required reading unless otherwise indicated.

Textbook (Highly Recommended):

An Introduction to Statistical Problem Solving in Geography

3rd Edition

Chapman McGrew Jr, C., A.J. Lemon, Jr and C.B. Moore (2014)

Waveland Press Inc. ISBN 13: 978-1-4786-1119-6. ISBN 10: 1-4786-1119-7

Textbook Website: <https://www.waveland.com/browse.php?t=419>

For assistance and/or questions:

- Instructor Office Hours
 - In-Person (*or zoom by request):
 - Tuesday 11:30am – 12:30pm
 - Wednesday 10:30am – 11:30am * or by appointment
 - Virtual Office: <https://zoom.us/j/2336096379>
 - Online Forum (“Intro Geo” Discord; <https://discord.gg/BsXXSxjyFT>)
 - Use the Geog-2309-geo-stats text channel to:
 - Ask your colleagues
 - Share resources
 - Build community
- Ask your TA for a one-on-one (see contact information above)

**Please note: Communication with the instructor, lab instructors, or teaching assistant can be done during office hours, or via e-mail.*

When corresponding with the teaching team, please use your University of Winnipeg email account: name@webmail.uwinnipeg.ca.

How to Contact Jay:

Use your University of Winnipeg email address for course-related correspondence (name@webmail.uwinnipeg.ca). Do not use the Nexus email function. Please do not use your gmail or hotmail (or whatever) accounts to correspond with the instructor; these usually get blocked by our spam filter. When contacting the instructor, please make sure you use a proper subject heading for the email (e.g. Statistical Techniques Question). The instructor will make every attempt to respond promptly except on weekends. The instructor will use your University of Winnipeg email to contact you, when necessary.

Lectures:

- Students are expected to be present during our regular meeting times, every Monday, Wednesday, and Friday, 8:30 – 9:20am.
 - Attending the course lectures are vital to your understanding of the course content.
- The instructor will upload the lecture slides and supplementary materials on Nexus for the students to access and engage with.
- Students are responsible for keeping up with weekly materials in class and on Nexus.

- Lectures and labs are complementary. It may be beneficial to review course materials before your weekly lab.

Labs:

- The labs in Statistical Techniques are meant to enhance your understanding of course content and provide you with hands on experience applying some of the statistical concepts introduced and discussed in class.
- Therefore, it is the responsibility of the student to attend all scheduled labs and to complete the assignments as required.
- All information pertaining to the lab will be posted to the dedicated lab Nexus site.
- Labs in this course will begin the week of **September 11th** and will be conducted in-person. Please review all materials posted to the lab Nexus prior to attending your lab.
- Completed lab assignments are to be submitted digitally (unless otherwise indicated), uploaded to Nexus in a single file of appropriate type (PDF, Word, or Excel) as indicated by your lab instructor. These are due the following week, prior to your regular lab time.
 - e.g. for section 070 (Wednesday 9:30 – 10:20), each lab assignment is due by 9:29 the following Monday.

NEXUS:

- Documents related to this course and the labs (e.g. course syllabus, project / assignment guidelines, quizzes, lecture slides, lecture capture or voice over videos, supplemental readings, and all other supplementary materials) will be made available to students via the course and lab Nexus sites.
- You must be registered in the course and in one of the lab sections to have access to these materials. To log into NEXUS, go to: <https://nexus.uwinnipeg.ca/>
- If you encounter difficulties with Nexus, contact the help desk at 204-786-9149 or help.desk@uwinnipeg.ca

1. COURSE INFORMATION

1.1. Course Description

GEOG-2309: STATISTICAL TECHNIQUES IN ENVIRONMENTAL ANALYSIS
 Statistics describe and summarize data and make predictions about a population from the information contained in samples. This course provides a working understanding of the elementary statistical techniques and computational procedures for students with little background in mathematics and focuses on the applications of these tools to the analyses of geographical and environmental data. Topics include scales of measurement, univariate descriptive statistics, time series analysis, probability, sampling design, hypothesis testing, regression and correlation analysis, and models as quantitative techniques. **GEOG- 2309L (lab) must be taken concurrently.**
Prerequisites: GEOG-1102(3), or GEOG-1103(3), or GEOG-1105(3) or GEOG-1201(3) or GEOG-1202(3) or GEOG-1205(3), or permission of instructor.
Restrictions: Students with standing in the former GEOG-2310(3) may not receive credit for GEOG- 2309(3).

1.2. Course Objectives

Statistics is a formal method of reasoning with data. The broad goal of this course is to help you learn how to use data to solve problems and answer questions. The primary objective to meet this goal is to build proficiency in statistical analysis including identification of patterns in data and develop critical thinking skills using statistics. Proficiency in statistical analysis includes demonstrating knowledge of qualitative and quantitative methods used by geographers to solve geographic problems; and demonstrating an understanding of basic descriptive, inferential, multivariate and spatial statistics analysis methods.

1.3. Topics for Discussion

The following topics will be covered during the lectures. Due to time constraints and/or unforeseen circumstances, the instructor reserves the right to alter the topics and/or the order of presentation. The listed readings may be found in the required textbook, and more precise page ranges are offered on the lecture slides. Additional required readings and/or supplementary materials may be posted on the course Nexus site for review. Students are advised to complete each reading prior to reviewing associated materials posted to Nexus. Unless otherwise indicated, you are responsible for understanding all topics covered in these readings and supplementary materials.

TOPIC	READINGS
INTRODUCTION / THE ROLE OF STATISTICS IN GEOGRAPHY	Chapter 1
GEOGRAPHIC DATA CHARACTERISTICS AND PREPARATION: Levels of measurement, measurement concepts, basic classification of data.	Chapter 2
DESCRIPTIVE STATISTICS AND GRAPHICS: Measures of central tendency, dispersion and variability, shape and relative position	Chapter 3
DESCRIPTIVE SPATIAL STATISTICS: Spatial measures of central tendency and dispersion.	Chapter 4
INFERENCE STATISTICS, BASICS OF PROBABILITY AND PROBABILITY DISTRIBUTION	Chapter 5/6
BASICS OF SAMPLING AND CONFIDENCE INTERVALS:	Chapter 7/8
TESTS OF DIFFERENCE	Part IV, Chapters 9 – 12
TESTS OF RELATIONSHIPS	Part VI, Chapters 16/17

1.4. Laboratories

An intro and discussion of lab procedures will be provided in class week 1 (**September 5th**). Review all material posted to NEXUS before attending your first lab. Labs in this course will begin during the second week of class (**September 11th**).

Students must be registered in one of the following lab sections:

Section	Day	Time	Room	Instructor
GEOG-2309L-070	Wednesday	9:30 – 10:20	5L23	J. Maillet
GEOG-2309L-071	Friday	9:30 – 10:20	5L23	J. Maillet
GEOG-2309L-072	Friday	10:30 – 11:20	5L23	J. Maillet

If you wish to change lab sections, you **MUST** contact the lab coordinator (Dr. Jay Maillet) prior to the first week of classes. Changes will be made only if space permits. It is imperative that all students attend their scheduled lab sections.

Details concerning the laboratory component of this course will be provided by your lab Instructor (listed above). This person should be your first point of contact, they are responsible for delivering lab materials, as well as accepting and grading your lab assignment submissions.

2. IMPORTANT DATES

Lectures Begin	Sep. 5 th , 2023
Period when Fall and Fall/Winter Term Course Registration, Course Adds/Drops and Section Changes Occur.	Sep. 5 th – 18 th , 2023
Truth and Reconciliation Day – University Closed	Sep. 30 th , 2023
MIDTERM 1	Oct. 6th, 2023 *During our regular meeting time.
Mid-Term Reading Week – No Classes	Oct. 8 th – 14 th , 2023
Thanksgiving Day – University Closed	Oct. 9 th
MIDTERM 2	Nov. 10th, 2023 *During our regular meeting time.
Remembrance Day – University Closed	Nov. 11 th , 2023
Final Day to Withdraw Without Academic Penalty	Nov. 13 th , 2023
Lecture Ends	Dec. 4 th , 2023
Exam Period	Dec. 7 th – 20 th , 2023

Please refer to the 2023 - 2024 Course Calendar for additional dates and schedules.

3. GRADING PROCEDURE

MID-TERM EXAM 1	20%	Friday, October 6th, 2023, 8:30 – 9:20am.
MID-TERM EXAM 2	20%	Friday, November 10th, 2023, 8:30 – 9:20am.
LAB ASSIGNMENTS / FINAL PROJECT	25%	DUE DATES: prior to the start of the next lab; or as indicated by the Lab Instructor.

FINAL THEORY EXAM	35%	Please check: https://www.uwinnipeg.ca/exam-schedules for final exam schedule. Cumulative: covering all course materials
TOTAL	100%	

- * Final grades will be assigned based accumulated scores from the above components.
- * In the Lab, there are 6 lab assignments, and a final project. Each lab assignment will contribute 2.5%, and the final project will contribute 10%, to the total of 25%.
- * Lab due dates: as indicated by your lab instructor (see above). Late submissions will not be accepted for grading (except in circumstances where the lab instructor agrees that good reason has been provided). If a lab assignment is turned in late, without an appropriate reason, a grade of “zero” will be assigned. Please send an email to your lab instructor (see above) if an issue arises that will prevent you from submitting your lab assignment on time. Be sure to ask for extensions well in advance.

Senate approved grades for courses include A+, A, A-, B+, B, C+, C, D, and F. The University does not have a standardized numerical grade conversion scale for each letter grade. The following numeric grading system **provides guidelines** only for the separation of letter grades in this course. These boundaries may be adjusted at the requested of the Geography Department Review Committee or University Senate. Final letter grades are based on accumulated numeric grades during the course. For this course, grade equivalents are as follows:

Percent	0-49.9	50-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	90-100
Letter Grade	F	D	C	C+	B	B+	A-	A	A+

The Final Theory Exam must be written as scheduled in the 2023-2024 Fall/Winter Timetable; alternate dates will not be considered. If you have a final Theory Exam conflict (i.e., two final exams on the same date and time), or if exceptional circumstances prevent you from writing the exam as scheduled, you must contact Academic Advising immediately, otherwise, you must write the final exam as scheduled. Please refer to section 9d, of Regulation and Policies in the 2023-2024 Undergraduate Academic Calendar link: (<http://www.uwinnipeg.ca/index/calendar-calendar>).

Alternate test dates will be considered in very exceptional cases and for legitimate reasons only; vacation travel is not an acceptable reason. If you miss a test, you must contact your instructor as soon as possible. Documentation (i.e., proof of illness or circumstances beyond your control) may be required before alternate arrangements can be made.

Test/Exam Identification Policy

If the final exam is in-person, students are required to show their University of Winnipeg student identification. Take-home or remote exams will be administered or submitted via

Nexus where responses should also be uploaded. The use of a simple calculator is allowed but no other electronic devices are permitted, unless otherwise indicated.

4. VOLUNTARY WITHDRAWAL

(Please refer to the 2023 - 2024 Calendar for Voluntary withdrawal procedures).

***You must formally withdraw from a course. If you simply stop going to classes, you may receive an "F" on your transcript and loss of tuition credit.*

Please note the following deadline dates for voluntary withdrawal for courses:

- Monday, November 13th, 2023; FINAL DATE to withdraw without academic penalty from courses which begin in September and end in December 2023 of the 2023 Fall Term.

****Please contact the instructor before withdrawing from the course.*

5. COURSE POLICIES

5.1. Late Work

Unless prior arrangements have been made, any quizzes, activities, and/or assignments that may be assigned and that are handed in late (after the specified time/date) will not be accepted and will be assigned a grade of zero.

5.2. Test/Exam Format, Identification and Equipment Policy

All exams and tests must be written as scheduled above and in the 2023 – 2024 Course Calendar; the **Final Theory Exam** must be written as scheduled in the 2023 – 2024 Final Exam Schedule. Alternate dates will not be considered except for exceptional circumstances. If you have a **Final Theory Exam** conflict (i.e., two final exams on the same date and time), or you are unable to attend because of medical, religious holiday celebration, or compassionate reasons, or if other circumstances beyond your control prevent you from writing the exam as scheduled, you must contact Academic Advising immediately; otherwise, you must write the final exam as scheduled. Please refer to the appropriate section of Regulation and Policies in the 2023 – 2024 Course Calendar link: (<http://www.uwinnipeg.ca/index/calendar-calendar>).

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams or during lectures/laboratories are encouraged to contact Accessibility Services (AS) at 204.786.9771 or <https://www.uwinnipeg.ca/accessibility-services/> to discuss appropriate options. All information about a student's disability or medical condition remains confidential <http://www.uwinnipeg.ca/accessibility>.

5.3. Netiquette

Students are expected to conduct themselves in a professional manner when engaging with each other, the course instructor, the lab instructors, and teaching assistant. Most importantly, be respectful. Note: tone is quite tricky in an online environment; be sure to re-read things like emails and posts before sending / posting. For tips and tricks: <https://www.rasmussen.edu/student-experience/college-life/netiquette-guidelines-every-online-student-needs-to-know/>
<https://www.grammarly.com/blog/email-etiquette-rules-to-know/>

5.4. Other

If you send me an email, please use my University of Winnipeg e-mail address: j.maillet@uwinnipeg.ca with a relevant subject line (e.g. Question GEOG 1205) and I will do my best to reply promptly. Alternatively, you can contact me using the Nexus e-mail system, however I will generally reply more promptly to an e-mail sent to my University of Winnipeg e-mail address.

I will make every reasonable attempt to:

- i) Return assignments/tests/exams to students in a timely fashion, normally within 2 weeks; and
- ii) ensure that students do not have to write term tests or examinations on the date of a religious holiday. Alternate arrangements may be made when conflicts do arise. Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide an opportunity for students to make up examinations without penalty. A list of religious holidays can be found in the 2023 - 2024 Undergraduate Academic Calendar:
<https://www.uwinnipeg.ca/academics/calendar/docs/important-notes.pdf>.

6. OTHER INFORMATION

1. A permitted or necessary change in mode of delivery may require adjustments to important aspects of course outlines, like class schedule and the number, nature, and weighting of assignments and/or exams.
2. Students can find answers to frequently asked questions related to remote learning here: <https://www.uwinnipeg.ca/covid-19/index.html>
3. When it is necessary to cancel classes due to exceptional circumstances, the instructor will make every effort to inform you via uwinnipeg email, and/or using NEXUS announcements.
4. Students have the responsibility to regularly check their University of Winnipeg e-mail addresses, as well as NEXUS announcements, to ensure timely receipt of correspondence from the University and/or their course instructors.
5. Please note that withdrawing before the VW date does not necessarily result in a fee refund.
6. No classes: October 8th – 14th, 2023; Mid-Term Reading Week.

7. The first day of class is September 5th, 2023. Lecture ends December 4th, 2023. The Fall 2023 evaluation period runs from December 7th – 20th, 2023. See <https://www.uwinnipeg.ca/academics/calendar/docs/dates.pdf> for all dates.
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7. ACADEMIC REGULATIONS AND POLICIES

Students are encouraged to familiarize themselves with the Regulations and Policies found in the University Academic Calendar at <https://www.uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>. Particular attention should be given to subsections 8 (Student Discipline), 9 (Senate Appeals), and 10 (Grade Appeals).

A summary of important information regarding Academic Misconduct follows. Where discrepancies exist between the text below and the Course Calendar, the Course Calendar will prevail.

7.1 Academic Misconduct

Detailed information can be found at the following:

- Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-policy.pdf>
- <https://pace.uwinnipegcourses.ca/sites/default/files/pdfs/publications/Academic%20Misconduct%20Procedures.pdf>
- Non-Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/student-non-academic-misconduct-policy.pdf>

Misuse of Filesharing Sites. Uploading essays and other assignments to essay vendor or trader sites (filesharing sites that are known providers of essays for use by others who submit them to instructors as their own work) involves “aiding and abetting” plagiarism. Students who do this can be charged with Academic Misconduct.

Avoiding Copyright Violation. Course materials are the property of the instructor who developed them. Examples of such materials are course outlines, assignment descriptions, lecture notes, test questions, and presentation slides—irrespective of format. Students who upload these materials to filesharing sites, or in any other way share these materials with others outside the class without prior permission of the instructor/presenter, are in violation of copyright law and University policy. Students must also seek prior permission of the instructor/presenter before, for example, photographing, recording, or taking screenshots of slides, presentations, lectures, and notes on the board. Students found to be in violation of an instructor’s intellectual property rights could face serious consequences pursuant to the Academic Misconduct or Non-Academic Misconduct Policy; such consequences could possibly involve legal

sanction under the Copyright Policy (<https://copyright.uwinnipeg.ca/basics/copyright-policy.html>).

Research Ethics. Students conducting research interviews, focus groups, surveys, or any other method of collecting data from any person, including a family member, must obtain research ethics approval before commencing data collection. Exceptions are research activities done in class as a learning exercise. For submission requirements and deadlines, see <http://www.uwinnipeg.ca/research/human-ethics.html>

Plagiarism. Even unintentional plagiarism, as described in the UW Library video tutorial “Avoiding Plagiarism” (<https://www.youtube.com/watch?v=UvFdxRU9a8g>), is a form of academic misconduct. Similarly, uploading essays and other assignments to essay vendor or trader sites (filesharing sites that are known providers of essays for use by others who submit them to instructors as their own work) is a form of misconduct, as it involves aiding and abetting plagiarism. An updated and expanded U of Winnipeg library site outlining principles of Academic Integrity can be found at <https://library.uwinnipeg.ca/use-the-library/help-with-research/academic-integrity.html>.

Academic Integrity and AI Text-generating Tools. Students must follow principles of academic integrity (e.g., honesty, respect, fairness, and responsibility) in their use of material obtained through AI text-generating tools (e.g., ChatGPT, Bing, Notion AI). If an instructor prohibits the use of AI tools in a course, students may face an allegation of academic misconduct if using them to do assignments. If AI tools are permitted, students must cite them. According to the MLA (<https://style.mla.org/citing-generative-ai/>), “you should

1. cite a generative AI tool whenever you paraphrase, quote, or incorporate into your own work any content (whether text, image, data, or other) that was created by it
2. acknowledge all functional uses of the tool (like editing your prose or translating words) in a note, your text, or another suitable location
3. take care to vet the secondary sources it cites”

If students aren’t sure whether or not they can use AI tools, they should ask their professors.

7.2 Forms of Academic Misconduct

see online: <http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>

- **Plagiarism:** includes presenting other people’s published or unpublished work in part or as a whole as your own. This includes material from lab manuals, essays, journal articles, books, etc. Plagiarism also refers to submitting the same work in more than one course without both instructors’ permission and to the situation where two or more students submit identical (or nearly identical) work for evaluation when the work was to be completed individually.
- **Cheating:** includes copying another person’s answer on a test, communicating with another person during a test or exam, consulting unauthorized sources (including written and electronic sources), obtaining a copy (of all or part) of a

test/exam/assignment before it is officially available, purchasing tests, essays or other assignments and submitting the work as your own.

- Improper Academic/Research practices: include fabricating or falsifying results, using other peoples' research findings without permission, misrepresenting research results or methods, referring to non-existent sources or investigators, or contravening the University's Policy and Procedures on Research Integrity.
- Obstructing academic activities of another person: for example interfering with another person's access to pertinent resources or information to gain academic advantage.
- Impersonation: both impersonation of another individual or allowing someone to impersonate you.
- Falsification or Modification of an Academic Record: including tests, transcripts, letters of permission, etc.
- Aiding and Abetting Academic Misconduct.

7.3 Penalties for Academic Misconduct

Penalties for academic misconduct include, but are not limited to:

- Written warning
- Lower or failing grade on an assignment or test
- Lower or failing grade in a course
- Denial of admission or readmission to the University
- Forfeiture of University awards or financial assistance
- Suspension from the University for a specified period of time
- Withholding or rescinding a U of W degree, certificate or diploma
- Expulsion from the University

7.4 Procedures for Academic Misconduct

All allegations of academic misconduct must be reported initiating a process which involves several steps. These include procedures involving the instructor of the course in which the misconduct is alleged to have occurred, the Departmental Review Committee, and the Senate Academic Misconduct Committee. Students facing a charge of academic or non-academic misconduct may choose to contact the UWSA Student Advocacy Centre where Student advocates will be available to answer any questions about the process, help with building a case and ensuring students have access to representation. For more information or to schedule an appointment, visit the UWSA website at www.theuwsa.ca/academic-advocacy or call 204-786-9780.

7.5 Non-Academic Misconduct / Respectful Learning Environment

Students are expected to conduct themselves in a respectful manner on campus and in the learning environment irrespective of platform being used. Behaviour, communication, or acts that are inconsistent with a number of UW policies could be considered non-academic misconduct. See the Respectful Working and Learning Environment Policy (<https://www.uwinnipeg.ca/respect/respect-policy.html>) and Acceptable Use of Information Technology Policy

(<https://www.uwinnipeg.ca/institutional-analysis/docs/policies/acceptable-use-of-information-technology-policy.pdf>). More detailed information is outlined in the Non-Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/student-non-academic-misconduct-policy.pdf>

8. UNIVERSITY SERVICE INFORMATION

8.1. Accessibility Services

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., note-takers) are encouraged to contact Accessibility Services (AS) at 204-786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential. <http://www.uwinnipeg.ca/accessibility>.

8.2. Indigenous Student Services

Indigenous students seeking additional supports, academic or other, are encouraged to contact the Aboriginal Student Services Centre (ASSC). The ASSC offers a variety of support services, and was created to maintain a safe, educational and culturally sensitive environment for all Aboriginal students (First Nation, Metis and Inuit) as they pursue their academic studies at The University of Winnipeg. More information can be found at: <http://www.uwinnipeg.ca/assc/>

8.3. Respectful Working and Learning Environment Policy

All students, faculty and staff have the right to participate, learn, and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect.

8.4. Academic Accommodation for Religious Reasons

Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide an opportunity for students to make up examinations without penalty. A list of religious holidays can be found at: <http://uwinnipeg.ca/academics/calendar/docs/important-notes.pdf>

8.5. Student Wellness

The University of Winnipeg provides comprehensive general and specialized counselling and health services to all students for free at the Wellness Centre, located on the first floor of Duckworth Centre (1D25). For more information see <https://www.uwinnipeg.ca/student-wellness/>

8.6. Privacy

Students are encouraged to familiarize themselves with their rights in relation to the collecting of personal data by the University (<https://www.uwinnipeg.ca/privacy/admissions-privacy-notice.html>), especially if Zoom is being used for remote teaching (<https://www.uwinnipeg.ca/privacy/zoom-privacy->

notice.html) and testing/proctoring (<https://www.uwinnipeg.ca/privacy/zoom-test-and-exam-proctoring.html>).

The instructor retains the right to make changes to the above course structure and procedures as circumstances require.

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The information presented in this course is the intellectual property of the instructor(s) and is presented for the benefit of registered students only. Any audio, video, or virtual reproduction of the lectures or labs, either in whole or in part, without the express written consent of the instructor(s) is strictly prohibited.

In the event of extenuating circumstances I reserve the right to make changes to any information presented in this document, after consulting with, or with the approval of, the class. Changes in test dates require the unanimous approval of the class.