

Introductory Earth Science GEOG - 1202 (3)-001
Spring 2021 (June 16th – July 28th)
Course Outline and Syllabus



<p>Instructor: Dr. Sheika Henry Office: 5L04 (Lockhart) Phone: 204-786-9886 Email: s.henry@uwinnipeg.ca Office Hours: Wednesdays and Fridays (Via Zoom) 4:00pm - 5:00pm or by appointment</p> <p>Lectures: Online - Asynchronous</p>	<p>Labs: Zoom Meetings, Online Synchronous * The zoom link will be posted on Nexus.</p> <p>Section 070 Tuesdays and Thursdays 1:30pm – 3:00pm Section 071 Tuesdays and Thursdays 3:30pm – 5:00pm</p> <p>Nexus: Use your WebAdvisor User ID and Password. Login in at: https://nexus.uwinnipeg.ca</p>
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Lectures: all the materials for this course will be posted on Nexus. The instructor will upload voice over presentations on Nexus for students to access. Since the lectures will be asynchronous, students are not required to be present at any particular time. However, students should ensure they watch the lecture prior to the start of that week’s lab. Communication with the instructor should be done during office hours (via **Zoom**) or by appointments via email.

Labs: the labs in Introductory Earth Science are considered integral parts of the course and will be presented as such. Therefore, it is the responsibility of the student to attend all scheduled labs and to complete the assignments as required. **A separate document outlining the laboratory procedures will be posted on Nexus.** Read this document before attending the labs. Labs in this course will begin on **June 22nd** and will be conducted via **Zoom**.

Software: Ensure your computer is compatible with Google Earth Pro on desktop. The latest version can be downloaded here: <https://www.google.com/earth/versions/#earth-pro>. Select Google Earth Pro on desktop.

**Please note when corresponding with the instructor, use your University of Winnipeg email account: name@webmail.uwinnipeg.ca.*

Recommended Textbook:

Title: Geosystems: An Introduction to Physical Geography (4th Canadian edition)
Authors: Christopherson, R.; Ginger H. Birkeland; Mary-Louise Byrne; Philip T. Giles
Edition: 2019
Publisher: Pearson Education Canada

NEXUS:

Documents related to this course (e.g. course syllabus, project guidelines, lecture slides, supplemental readings) will be made available to students via NEXUS. You must be registered in the course 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

Course Assessment

Assessment	Percentage	Dates
Midterm Theory Exam	25%	Wednesday, June 30, 2021 from 6pm - 8pm Online
Lab Assignments*	20%	As indicated by the lab instructor
Final Lab Exam	20%	July 22, 2021, Online
Final Theory Exam	35%	July 30, 2021, Online

*There are 8 lab assignments. Each assignment will contribute 2.5% to the total of 20%. The Final Lab Exam will be based on materials from all 8 assignments. Due dates: as indicated by the lab instructor. Late submissions will not be accepted for grading (except in unavoidable circumstances) and as a consequence, a grade of "zero" will be recorded. Final grades will be assigned on the basis of accumulated scores from the above components. Please send an email to the lab instructor (s.henry@uwinnipeg.ca) if an issue arise that will prevent you from submitting your labs on time.

If you wish to change lab sections, you **MUST** contact your lab instructor during the first week of classes. Changes will be made only if space permits. It is imperative that all students attend their scheduled lab sections regularly.

Grading

Senate approved grades for courses include A+, A, A-, B+, B, 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:

%	90-100	84-89	80-83	75-79	70-74	65-69	60-64	50-59	<50
Grade	A+	A	A-	B+	B	C+	C	D	F

Important Dates: Spring 2021

Date	Significance
Wednesday, June 16, 2021	First Class Lecture
Tuesday, June 22, 2021	First day of Earth Science Lab.
Wednesday, June 30, 2021 from 6pm to 8pm	Midterm Theory Exam, Online.
Thursday, July 1, 2021	Canada Day. University closed. Make-up class is on July 28 th .
Friday, July 16, 2021	Final date to withdraw without academic penalty. Please note that withdrawing before the Voluntary Withdrawal date does not necessarily result in a fee refund.
Thursday July 22, 2021	Final lab exam.
Wednesday, July 28 th	Lectures end for the 2021 Spring Term. Make-up class for July 1 st .
Friday, July 30, 2021 from 9:00am to 11:00am	Final Theory Exam Please check http://www.uwinnipeg.ca/exam-schedules/ for final Exam schedule/updates.

Course Description:

This course introduces students to geomorphology, the study of landforms and landscapes on the surface of the Earth. Processes of geologic (mountain building, volcanism, etc.) and geomorphic change (weathering, erosion, and deposition by water, ice, and wind) will be surveyed.

Course Objective

This course is designed to provide students with a basic understanding of the geologic and geomorphic processes within a spatio-temporal context, and to give an appreciation of physical geography as the foundation for the environmental sciences. This course serves a number of purposes: firstly, it introduces physical geography to those students intending to major in geography; secondly, it is a compulsory course in the Geography and Environmental Studies programs, and; thirdly, it provides a partial science requirement for Arts students.

Topics for Discussion:

The following table outlines the topics to be covered during the lectures. Due to time constraints and/or unforeseen circumstances, the instructor reserves the right to alter the topics and the order of presentation. The listed readings may be found in the required textbook and lab manual for this course. Students are advised to complete each reading prior to its presentation in class. Unless otherwise indicated, you are responsible for all information covered in these readings.

Topic	Textbook Section
INTRODUCTION: physical geography as the foundation for the environmental sciences; scale of study; systems; location and time.	Chapter 1
EARTH'S PHYSICAL STRUCTURE: Earth's internal structure and energy; Earth materials; plate tectonics; geological cycle; geological time scale.	Chapter 12
THE TECTONIC SYSTEM: crustal formation and deformation; earthquakes; volcanism.	Chapter 13
WEATHERING: physical and chemical processes; soil formation; landforms and landscapes of weathering.	Chapter 14
RIVER SYSTEMS: drainage basins; fluvial concepts and landforms; flooding.	Chapter 15
OCEANS, COASTAL SYSTEMS, AND WIND PROCESSES: coastal system processes; hydrologic cycle; wind processes.	Chapter 16
GLACIAL AND PERIGLACIAL LANDSCAPES: glaciers: types and processes; glacial landforms; periglacial processes; Pleistocene epoch; Arctic and Antarctic regions.	Chapter 17
SOILS: soil-forming processes; soil profiles, characteristics, and classification; human impacts	Chapter 18

The Final Theory and Lab Exams must be written as scheduled in the 2020-2021 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 2020-2021 Undergraduate Academic Calendar link: (<http://www.uwinnipeg.ca/index/calendar-calendar>).

Test/Exam Policy

Tests/exams are conducted live via Zoom and may also be recorded for review. Proctors will be monitoring for any evidence of academic dishonesty. Each proctor will monitor a small group of students simultaneously. Students must sit and face an engaged camera to enable monitoring. Microphones can be muted. The use of a simple calculator is allowed but no other electronic devices are permitted.

If you miss a test or exam, you must contact your instructor immediately. Proof of illness or exceptional circumstances are required before alternate arrangements can be made. Vacation travel is not an acceptable reason.

ACADEMIC REGULATIONS AND POLICIES

1. Students can find answers to frequently asked questions related to remote learning here: <https://www.uwinnipeg.ca/covid-19/remote-learning-faq.html>.
2. When it is necessary to cancel a class due to exceptional circumstances, every effort will be made to inform students via UWinnipeg email and on Nexus.

3. Students have the responsibility to regularly check their UWinnipeg e-mail addresses to ensure timely receipt of correspondence from the University and/or their course instructors.
4. The first day of class is on June 16, 2021. The last class will be held on July 28, 2021. Evaluation period is July 29-30th.
5. The University is closed for the following holidays, irrespective of campus closure related to COVID-19: Canada Day (July 1, 2021).
6. **Regulations, Policies, and Academic Integrity.** Students are encouraged to familiarize themselves with the “Regulations and Policies” found in the University *Academic Calendar* at: <https://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>. Particular attention should be given to subsections 8 (“Student Discipline”), 9 (“Senate Appeals”), and 10 (“Grade Appeals”). Please emphasize the importance of maintaining academic integrity, and to the potential consequences of engaging in plagiarism, cheating, and other forms of academic misconduct. 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. More detailed information can be found here:

Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-policy.pdf> and <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-procedures.pdf>.

7. **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 (e.g. *Respectful Working and Learning Environment Policy* <https://www.uwinnipeg.ca/respect/respect-policy.html>, *Acceptable Use of Information Technology Policy* <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/acceptable-use-of-information-technology-policy.pdf>) could be considered “non-academic” misconduct. More detailed information can be found here:

Non-Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-policy.pdf> and <https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-procedures.pdf>.

Forms of Academic Misconduct:

- 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, 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.
- See online <http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>

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

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, contact us at vpsa@theuwsa.ca or 204-786-9780.

- 8. Copyright and Intellectual Property.** 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*.

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 owned by the instructor who developed them. Examples of such materials are course outlines, assignment descriptions, lecture notes, test questions, and presentation slides. 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 photographing or recording slides, presentations, lectures, and notes on the board.

9. **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>
10. **Privacy.** Students should be reminded of 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>).

Writing Exams on Holy Days

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 work or examinations without penalty. A list of religious holidays can be found in the 2020-21 Undergraduate Academic Calendar.

Accessibility Services:

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.

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/>.

Other Information

Student Services	
Student Need	Monday – Friday, 8:30 to 4:30
Student needing to meet with a Counsellor	UW Student Counselling Services, 204-988-7611, studentwellness@uwinnipeg.ca
Student with a disability needing supports	Accessibility Services, accessibility@uwinnipeg.ca
Indigenous student needing supports	Aboriginal Student Services Centre (ASSC), j.booth@uwinnipeg.ca
International or immigrant student needing supports	International, Immigrant and Refugee Student Services (IIRSS), iirss@uwinnipeg.ca
Student needing academic support and appeals	Academic and Career Services, 204-786-9257 advising@uwinnipeg.ca
Student needing financial supports	Awards and Financial Aid awards@uwinnipeg.ca

*Image on page 1: <https://www.clipart.email/clipart/earth-science-clipart-12883.html>