



90-100% = A+; 84-89 = A; 80-83 = A-; 75-79 = B+; 70-74 = B; 65-69 = C+; 55-64 = C; 50-54 = D; < 50 = F.

**NOTE: The numeric boundaries separating letter grades may be adjusted at the request of the Departmental Review Committee.**

**TEXTBOOK:** Essentials of Geology (7<sup>th</sup> Ed) by Stephen Marshak (Ebook)  
ISBN:978-0-393-88309-1

**TOPICS FOR DISCUSSION:** The following table outlines the topics to be discussed during the lectures. The order of presentation is subject to change as circumstances dictate and all the topics listed may not be covered.

Week 1	<b>Basic Petrology:</b> principal characteristics of igneous, sedimentary and metamorphic rocks.
Week 2	<b>Stratigraphy:</b> general principals; types of breaks in the geologic record; stratigraphic correlation; geologic time scale.
Weeks 3-4	<b>Structural Geology:</b> dip and strike; solution of simple dip structures by the three-point method; types of crustal stresses; simple and plunging folds; faults; igneous intrusive structures.
Weeks 5-6	<b>Earthquakes:</b> types and transmission of seismic waves; epicentres and foci; earthquake magnitudes; earthquake distribution; internal structure of the Earth; major structural features of the crust.
Weeks 7-8	<b>Plate Tectonics:</b> evolution of the theory and survey of major lines of evidence; paleomagnetism; magnetic reversals and paleomagnetic evidence; determination of rates of spreading; major plates and processes at plate boundaries; relationship to major crustal features; polar wandering; continental dispersal and convergence; Wilson cycles and sea level.

Weeks 9-

## Ongoing Guidelines & Regulations

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/remote-learning-faq.html>.
3. When it is necessary to cancel a class due to exceptional circumstances, every effort will be made to inform students via UWinnipeg email (and/or using the preferred form of communication, as designated in this outline).
4. 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 (b.

9. 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 at <https://www.uwinnipeg.ca/respect/>.
  
10. **Regulations, Policies, and Academic Integrity.** 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). Please emphasize the importance of maintaining academic integrity and the potential consequences of engaging in plagiarism, cheating, and other forms of academic misconduct. Even unintentional plagiarism, as

**12. 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 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/docs/copyright\\_policy\\_2017.pdf](https://copyright.uwinnipeg.ca/docs/copyright_policy_2017.pdf)).

**13. 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->

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

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ask their professors.

**14. 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>

**15. Privacy.** Students are 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>).

16. **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/>.