GENERAL INFORMATION

Professor Information

Instructor: Dr. Tatiana Gaona
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Office: AHC5-382 (MMC)
Fall 2020 Office Hours: Wednesday & Thursday 3:00 PM - 5:00 PM
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Website: https://earthenvironment.fiu.edu/
Class Meeting Time: Tu 9:30AM - 10:45AM, Green Library Room 139, MMC).

Course Description And Purpose

Our goal is to make you become familiar, understand and appreciate the internal and external processes shaping Earth today and throughout geologic time. At the end of this course, you will also understand how geological processes and materials affect society and your everyday life. This knowledge may become extremely helpful in some of your future personal, financial, and professional decisions (e.g. where to live, build, or acquire property). As part of this course, we will analyze the basic principles of mineral and rock formation, as well as the effects of volcanoes, earthquakes, weather and climate change. This course must be taken with its lab companion course (GLY 1010 Lab) to fulfill the Natural Science Group 2 UCC requirements.

Course Objectives

- Build a basic understanding on the geological processes shaping the structure, composition, and landscapes of planet Earth today and through geological time and relate that knowledge to the various geological hazards affecting human populations around the world.

- Discover and the interconnections between solid Earth, climate, ocean, and life evolution through 4.5 billion years of Earth’s history.

- Acquire criteria for identifying basic geological materials that build our planet, understand their origin and their use in modern society. In addition, students will gain basic knowledge of the geological factors controlling the formation and distribution of mineral, energy and water resources.

- Discover the geology of South Florida including the processes that have shaped its landscape, given origin to its rocks and sediments, and water resources.

IMPORTANT INFORMATION

Policies

Please review the FIU’s Policies and Netiquette webpage. The policies webpage contains essential information regarding guidelines relevant to all courses at FIU, as well as additional information about acceptable netiquette for online courses.

As a member of the FIU community you are expected to be knowledgeable about the behavioral expectations set forth in the FIU Student Code of Conduct.

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their
learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct includes:

**Cheating** – The unauthorized use of books, notes, aids, electronic sources; or assistance from another person with respect to examinations, course assignments, field service reports, class recitations; or the unauthorized possession of examination papers or course materials, whether originally authorized or not.

**Plagiarism** – The use and appropriation of another’s work without any indication of the source and the representation of such work as the student’s own. Any student who fails to give credit for ideas, expressions or materials taken from another source, including internet sources, is responsible for plagiarism. Any student helping another to plagiarize may be found guilty of academic misconduct.

All of the Following Are Considered Plagiarism:

- Turning in someone else's work as your own.
- Copying words or ideas from someone else without giving credit. Failing to put a quotation in quotation marks.
- Giving incorrect information about the source of a quotation.
- Changing words but copying the sentence structure of a source without giving credit.
- Copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not.
- Submitting a copy of your own work to satisfy the requirement of a second class without informing your instructor.

**Disruptive Conduct** – Behavior that substantially and materially disrupts, disturbs, impairs, interferes with or obstructs the orderly conduct, processes, and functions of the classroom, laboratory or surrounding areas. This also includes behavior that substantially and materially disturbs the peace.

Learn more about the [academic integrity policies and procedures](#) as well as [student resources](#) that can help you prepare for a successful semester.

**Technical Requirements and Skills**

This course is a hybrid course. It is similar to an online course in that both require basic computer literacy. By computer literacy, we mean being able to manage and organize computer files efficiently and learning to use your computer’s operating system and software quickly and easily. Keep in mind that this is not a computer literacy course; but students enrolled in a hybrid course are expected to have moderate proficiency using a computer. Please go to the “What’s Required” webpage to find out more information on this subject.

This course utilizes the following tools:

- Canvas learning management system including messaging, discussion boards, assignments, viewing course material, and viewing grades.
- i-Clicker to answer in-class quizzes.
- YouTube to view course-related video content.
- Microsoft Office or equivalent (Google Docs) that produces MS Office files or pdfs to prepare and read documents (Word) or slide-show presentations (PowerPoint).
- Adobe Reader or equivalent to view pdf files.
- Electronic device for photography or video, as well as mobile App for Canvas.
- Google Earth Pro to complete some of the assignments.
- Worksheets, exams and other content delivered in class on paper or projected.
Please visit our Technical Requirements webpage for additional information.

**Accessibility and Accommodation**

The Disability Resource Center collaborates with students, faculty, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable. The DRC provides FIU students with disabilities the necessary support to successfully complete their education and participate in activities available to all students. If you have a diagnosed disability and plan to utilize academic accommodations, please contact the Center at 305-348-3532 or visit them at the Graham Center GC 190.

For additional assistance please contact FIU’s Disability Resource Center.

**Teaching Methodology**

This is a hybrid class. Half of the class time is replaced with online activities. In addition, you must purchase a textbook and an I>clicker polling device for this course (see details below).

**Class time is for:**

1. Explaining and practicing difficult concepts
2. Getting an overview of major concepts, minor points, and how they fit together
3. Asking and answering questions and use of classroom response system (i>clicker). Class discussion and problem solving
4. Taking your midterm and final exams.

**Online activities are for:**

1. Reading and study your textbook and watching the videos posted on Canvas
2. Completing out of class exercises to help in understanding the material
3. Participating in online discussions on geological hazards

The expected average time commitment for this course is **8 hours per week**.

**Panthers Care & Counseling and Psychological Services (CAPS)**

If you are looking for help for yourself or a fellow classmate, Panthers Care encourages you to express any concerns you may come across as it relates to any personal behavior concerns or worries you have, for the classmate’s well-being or yours; you are encouraged to share your concerns with FIU’s Panthers Care website.

*Counseling and Psychological Services (CAPS)* offers free and confidential help for anxiety, depression, stress, and other concerns that life brings. Professional counselors are available for same-day appointments. Don’t wait to call 305-348-2277 to set up a time to talk or visit the online self-help portal.

**Textbook**

**Exploring Geology** (Required)  
Stephen J. Reynolds, Julia K. Johnson, P. Morin, C. Carter  
You may purchase your E-book/textbook online at the FIU Bookstore.
*Connect/LearnSmart IS NOT required for this course. To access the LearnSmart modules and Practice Quizzes, you need to purchase a Connect/LearnSmart key.

The most affordable option to purchase the Connect/LearnSmart course materials is through the Student Value program until January 24th. After this date, the price will go back to the standard price. You may purchase the code physically at the bookstore or through the bookstores website, fiu.bncollege.com. Please note, this is a physical access code card. Therefore, if you purchase it through the bookstore’s website, you MUST either pick it up in store or choose to have it shipped to you for an additional fee. Please make your purchase plans accordingly.

This course also requires the purchase of an i>clicker polling device.

Expectations of this Course

This is a hybrid course. Hybrid courses require self-motivation, self-discipline, and technology skills. Sometimes these requirements make hybrid courses more demanding for some students. If you find that you are having difficulty keeping up with the out-of-class work, please make an appointment with or message your Instructor.

You need to become familiar as soon as possible with the use of the Canvas platform. To log-in go to http://canvas.fiu.edu/login/

Things you need to do every week:

- Review your Course Schedule.
- Complete the weekly assignments (reading, watching videos, pre-class and post-class review questions).
- Read the assigned chapters from the textbook/e-book, as well as watching the videos posted on Canvas before completing the corresponding sets of study questions.
- Submit your pre-class study questions prior to our Tuesday class meeting.
- Attend and participate in every class (attendance is mandatory).
- Complete assigned class activities.
- Bring your working clicker to class.
- Complete the LearnSmart assignments and practice quizzes, available on the McGraw Hill Connect platform. These activities are optional and count toward your extra-credit points.
- Contact your instructor via Canvas if aspects of the lecture are not fully understood.
- Interact in class and online with instructor/s and peers.
- Show courtesy and respect for the instructor and fellow classmates.

Things your instructor will do:

- Prepare lessons that address challenging topics.
- Be available for office hours for at least one hour every week (Wd & Th from 3 pm to 5 pm)
- Create questions and activities designed to identify common misunderstandings.
- Grade your class activities within two weeks.
- Respond to emails within two days Monday-Friday.

NOTE - Early Alert

In an effort to help you succeed in your academic courses, FIU utilizes an Early Alert system. Instructors are now able to notify students’ academic advisors if there are concerns about class performance. If an alert is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an early alert. Our goal with this program is to
help you to be successful by identifying any issues as early on as possible and working to address them.

COURSE DETAIL
Course Communication
Communication in this course will take place via the Canvas Inbox. It is recommended that students check their messages routinely to ensure up-to-date communication. Check out the Canvas Conversations Tutorial or Canvas Guide to learn how to communicate with your instructor and peers using Announcements, Discussions, and the Inbox. I will respond to all correspondences within 3 days. Messages received by FIU email will not be acknowledged.

Midterm and Final Exam (23% each)
There will be two (2) mandatory exams: a midterm and a final exam. The final exam covers the second half of the course. Your exams consist of multiple choice questions and will be held on campus during the regular class meeting time and during the assigned class period in Finals Week. A make-up exam will only be available for a documented medical emergency, legal obligation, or military service. In the case you have a valid reason for missing the mid-term exam, you will be given a makeup within one week of the missed exam and will be an essay exam. You must request the makeup exam to your instructor no later than the day of the scheduled exam. Each student is responsible for bringing a working laptop on exam days.

I>Clicker Group Quizzes (15%)
Students will be assigned to a group for the semester; groups may be adjusted after the add-drop period to accommodate students new to the class. Although groups will collaborate on activities and quizzes, individuals will receive their own grade. Your two lowest grades for quizzes will be dropped prior to the calculation of your final grades.

Class attendance is mandatory. There are no makeups available for missed class activities and missed quizzes. There are alternative activities to make up points for two missed classes with an excused absence for medical, legal, religious reasons, military service, family emergency or authorized FIU associated event. Documentation must be provided. Alternative activities will include written assignments.

There will be 15 quizzes consisting of ten (10) questions each. Quizzes will be held every class meeting, and each student must answer the questions using his/her own I>Clicker.

Pre-Class, In-Class, and Out of Class Work (34%)
There will be seventeen (17) long assignments consisting of concept-sketch style study questions, investigation questions, short answer, and/or online exercises. Instructions for the assignments are posted on Canvas. Team members are allowed to discuss their answers however, each team member must submit his/her own sketches (hand-drawn), and upload its own handwritten file. All writing and sketching assignments must be scanned/photographed and uploaded on the corresponding Canvas Dropbox by the due date (every Sunday @ 11:59 pm).

Course Late Assignment Policy:
All assignments submitted after the assignment due date are subject to the following deductions.

<table>
<thead>
<tr>
<th>Number of Days Late</th>
<th>Deduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – 2</td>
<td>10%</td>
</tr>
<tr>
<td>3 – 6</td>
<td>15%</td>
</tr>
</tbody>
</table>
Discussion Forums (5%)

Participation points are granted for actively contributing to one discussion blog on geological hazards and/or sea-level change. Discussions and participation are required, just as if you were in a face to face class. The grade will be dependent on thoughtful participation during the discussion forums. Read the rubric below for more information:

Keep in mind that your discussion forum postings will likely be seen by other members of the course. Care should be taken when determining what to post.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Exemplary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of ideas</td>
<td>Well-developed ideas; introduce new ideas, and stimulates discussion.</td>
</tr>
<tr>
<td>Evidence of Critical Thinking</td>
<td>Clear evidence of critical thinking - application, analysis, synthesis, and evaluation. Postings are characterized by clarity of argument, depth of insight into theoretical issues, originality of treatment, and relevance. Sometimes include unusual insights. Arguments are well supported.</td>
</tr>
<tr>
<td>Quantity of Postings</td>
<td>Interact at least twice with other students and/or instructors.</td>
</tr>
<tr>
<td>Timeliness</td>
<td>Individual message and at least two responses posted before the deadline.</td>
</tr>
</tbody>
</table>

Extra-Credit: Connect and Learn Smart (up to 10%)

Connect is a platform for you to access your McGraw-Hill materials from a computer, anytime and anywhere. Included in Connect are your personalized study guides, LearnSmart reading material, practice quizzes, and a supplementary video library. The goal of LearnSmart is to help you learn the topics presented in each assignment by asking you a series of questions that adapt to your strengths and weaknesses to guide you through the material you need to learn. Connect is not required for this course but completion of the LearnSmart assignments and the Connect practice quizzes give you extra-credit points.

Your LearnSmart extra-credit points are based on the successful completion of each of the eighteen (18) LearnSmart assignments. In addition, there are 18 online practice quizzes, one at the end of each chapter. The LearnSmart assignments and practice quizzes will be available on the Connect website. You need to purchase a Connect/LearnSmart code either from the FIU Bookstore or McGraw-Hill in order to have access. Remember that
Connect/LearnSmart assignments and practice quizzes are not compatible with mobile devices and should not be taken through a mobile phone or a tablet. *There will be no makeups for practice/extra-credit quizzes, and LearnSmart assignments.*

This course is participating in FIU’s Codeless First Day Program. Everyone will have automatic access to their Connect account on the first day of class via the Course Page in Canvas. To retain access, you will be required to pay through the FIU Bookstore’s website no later than January 25th. If you do not purchase by this date, your access will be revoked and you will be required to purchase Connect at the standard price. Please make your purchase plans accordingly.

The total number of LearnSmart and practice quizzes points will be manually updated on your Canvas gradebook twice during the semester. Search on the Canvas introduction module for more information and instructions on how to register to Connect/LearnSmart.

**Grading**

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Number of Items</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>2</td>
<td>46%</td>
</tr>
<tr>
<td>I&gt;Clicker quizzes</td>
<td>15</td>
<td>15%</td>
</tr>
<tr>
<td>Pre-class study questions/homework</td>
<td>17</td>
<td>17%</td>
</tr>
<tr>
<td>In-class activities and after-class study questions/homework</td>
<td>17</td>
<td>17%</td>
</tr>
<tr>
<td>Discussion Forums/Participation (individual)</td>
<td>2</td>
<td>5%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
<td><strong>100%</strong></td>
</tr>
<tr>
<td>Extra-Credit: Connect - LearnSmart Assignments</td>
<td>18</td>
<td>7%</td>
</tr>
<tr>
<td>Extra-Credit: Connect Practice Quizzes</td>
<td>18</td>
<td>3%</td>
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<table>
<thead>
<tr>
<th>Letter</th>
<th>Range (%)</th>
<th>Letter</th>
<th>Range (%)</th>
<th>Letter</th>
<th>Range (%)</th>
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<tbody>
<tr>
<td>A</td>
<td>95 or above</td>
<td>B</td>
<td>83 – 86</td>
<td>C</td>
<td>70 - 76</td>
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<tr>
<td>A-</td>
<td>90 - 94</td>
<td>B-</td>
<td>80 – 82</td>
<td>D</td>
<td>60 - 69</td>
</tr>
<tr>
<td>B+</td>
<td>87 - 89</td>
<td>C+</td>
<td>77 – 79</td>
<td>F</td>
<td>59 or less</td>
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<tr>
<td>B</td>
<td>87 – 89</td>
<td>C</td>
<td>77 – 79</td>
<td>F</td>
<td>59 or less</td>
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*Note: The grading scale is based on the percentage range provided for each letter grade.*
<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td><strong>Module 1:</strong></td>
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<tr>
<td><strong>Course overview and fundamental concepts</strong></td>
<td>• Read the syllabus and the introductory modules on Canvas.</td>
<td>• Overview of the Canvas shell, textbook and I-clicker</td>
<td>• Complete the study questions assigned on week 1 (ch. 1 and 2), by the end of Sunday.</td>
</tr>
<tr>
<td><strong>Week 1</strong></td>
<td>• Read book Ch 1 (The Nature of Geology), Ch 2 (Investigating Geological Questions)</td>
<td>• Review of the syllabus</td>
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<tr>
<td><strong>Jan 6 – 12</strong></td>
<td>• Watch the Canvas video content corresponding to Week 1 (Ch. 1, 2)</td>
<td>• Setting up the teams</td>
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<tr>
<td></td>
<td>• Overview of the Canvas shell, textbook and I-clicker</td>
<td>• Mini lecture: the scope of geology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Review of the syllabus</td>
<td>• Mini lecture: how old is Earth</td>
<td></td>
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<tr>
<td></td>
<td>• Setting up the teams</td>
<td>• Class activity: the scientific method</td>
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<tr>
<td></td>
<td>• Mini lecture: the concept of density and isostasy</td>
<td>• Mini lecture: Maps</td>
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<tr>
<td></td>
<td>• Class activity: Maps</td>
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<tr>
<td><strong>Module 2:</strong></td>
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<tr>
<td><strong>Processes and environments of rock formation</strong></td>
<td>• Read book Chapter 3 (Overview of Plate Tectonics), Chapter 4 (Earth Materials)</td>
<td>• I-clicker quiz on reading materials (ch 1-4)</td>
<td>• Complete the study questions assigned on week 2 (ch. 3 and 4) by the end of Sunday.</td>
</tr>
<tr>
<td><strong>Week 2</strong></td>
<td>• Watch the video content corresponding to ch. 3 and 4.</td>
<td>• Key concepts in chapters 3, 4</td>
<td></td>
</tr>
<tr>
<td><strong>Jan 13 – 19</strong></td>
<td>• Work on your pre-class study questions (ch. 3 and 4)</td>
<td>• Activity on the calculation of seafloor spreading rates</td>
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<td>• Activity: Tectonic plate boundaries</td>
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<td></td>
<td></td>
<td>• Activity: Main mineral groups</td>
<td></td>
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<tr>
<td><strong>Module 2:</strong></td>
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<tr>
<td><strong>Week 3</strong></td>
<td>• Read book Chapter 5 (Igneous Environments)</td>
<td>• I-clicker quiz on reading materials (ch 5), and mini lecture.</td>
<td>• Complete the study questions assigned on week 3 (ch. 5) by the end of Sunday.</td>
</tr>
<tr>
<td><strong>Jan 20 - 26</strong></td>
<td>• Watch the video content corresponding to ch. 5.</td>
<td>• Activities on igneous textures and igneous rocks</td>
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<td></td>
<td>• Work on your pre-class study questions (ch. 5)</td>
<td>• Discussion on partial melting and fractional crystallization</td>
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<td></td>
<td></td>
<td>• Activity: The tectonic context of magmatism</td>
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<tr>
<td><strong>Module 2</strong></td>
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<tr>
<td><strong>Week 4</strong></td>
<td>• Read book Chapter 6 (Volcanism)</td>
<td>• I-clicker quiz on reading materials (ch 6), and mini lecture.</td>
<td>• Complete the study questions assigned on week 4 (ch. 6) by the end of Sunday.</td>
</tr>
<tr>
<td><strong>Jan 27 - Feb 2</strong></td>
<td>• Watch the video content corresponding to ch. 6.</td>
<td>• Activity: Types of volcanoes</td>
<td></td>
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<tr>
<td></td>
<td>• Work on your pre-class study questions (ch. 6)</td>
<td>• Activity: Volcanic products and volcanic hazards.</td>
<td></td>
</tr>
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</table>
| **Module 2**  
Week 5  
*Feb 3 – 9* |  
- Read book Chapter 7 (Sedimentary Environments and Sedimentary Rocks)  
- Watch the video content corresponding to ch. 7.  
- Work on your pre-class study questions (ch. 7) |  
- D-clicker quiz on reading materials (ch 7), and mini lecture.  
- Activity: Sediments and their origin  
- Activity: Understanding the logic behind the classification of sedimentary rocks  
- Activity: Identifying of sedimentary rocks and sedimentary environments of South Florida |  
- Complete the study questions assigned on week 5 (ch. 7) by the end of Sunday. |
| **Module 2**  
Week 6  
*Feb 10 – 16* |  
- Read book Chapter 8 (Deformation and Metamorphism)  
- Watch the video content corresponding to ch. 8  
- Work on your pre-class study questions (ch. 8) |  
- D-clicker quiz on reading materials (ch 8) and mini lecture.  
- Activity: Brittle vs. plastic deformation  
- Activity: Structures generated during tension, compression, and shear  
- Activity: Metamorphic rocks and textures |  
- Complete the study questions assigned on week 6 (ch. 8) by the end of Sunday. |
| **Week 7**  
*Feb 17 – 23* | Prepare for your Midterm (review your in-class work, homework, textbook, and Connect practice quizzes) | Midterm: Covers Chapters 1 - 8  
(Modules 1 and 2) |  
- Extra-credit corresponding to chapters 1 - 8 (Connect LearnSmart and practice quizzes) due this week. |
| **Week 8:**  
*Feb 24 - March 1* |  
- Spring Break - No assignments due this week  
- Spring Break - No Class |  
- Contribute to the blog on geologic hazards. |
| **Module 3:**  
*Earthquakes and deep Earth Structure*  
*Week 9*  
*March 2 – 8* |  
- Read book Chapter 12 (Earthquakes and Earth's Interior)  
- Watch the video content corresponding to ch. 12  
- Work on your pre-class study questions (ch. 12) |  
- D-clicker quiz on reading materials (ch 12) and mini lecture.  
- Activity: How seismic waves behave  
- Activity: Seismic waves in Earth's  
- Activity: Activity on epicenter location |  
- Finalize your work on the study questions assigned on week 8 (ch. 12) by the end of Sunday. |
<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| **Module 4: Telling geological time and Earth's history: from basins to mountains**  
Week 10  
March 9 – 15 | - Read book Chapter 9 (Geologic Time)  
- Watch the video content corresponding to ch. 9  
- Work on your pre-class study questions (ch. 9) | - i>clicker quiz on reading materials (ch 9) and mini lecture.  
- Activity: Principles of relative dating  
- Activity: Radiogenic dating  
- Activity: The history of Earth | - Complete the study questions assigned on week 10 (ch. 9) by the end of Sunday. |
| **Module 4**  
Week 11  
March 16 – 22 | - Read book chapters 10 (Continental Margins) and 11 (Mountain and Basins)  
- Watch the video content corresponding to chapters 10 and 11.  
- Work on your pre-class study questions (ch. 10 and 11) | - i>clicker quiz on reading materials (ch 10 and 11) and mini lecture.  
- Activity: Evolution of active and passive margins  
- Activity: Continental Collisions and foreland basin formation  
- Activity: Evolution of oceanic basins and mountain chains through time. | - Complete the study questions assigned on week 11 (ch. 10 and 11) by the end of Sunday. |
| **Module 5: Climate, weather and surface processes**  
Week 12  
March 23 – 29 | - Read book Chapter 13 (Climate and Weather)  
- Read the first part of Chapter 14 (Glaciers and Ice Ages)  
- Watch the video content corresponding to ch. 13 and ch. 14 (Glaciers and Ice Ages)  
- Work on your pre-class study questions (ch. 13) | - i>clicker quiz on reading materials (ch. 13) and mini lecture.  
- Activity: Pressure cells at a global scale  
- Activity: Ocean circulation  
- Activity: Desert and glacial landforms  
- Activity: Controls on Earth’s climate through time | - Finalize your work on the study questions assigned on week 12 (Ch. 13) by the end of Sunday. |
| **Module 5**  
Week 13  
March 30 - April 5 | - Read the second part of Chapter 14 (Shorelines and Sea Level)  
- Watch the video content corresponding to ch. 14  
- Work on your pre-class study questions (ch. 14) | - i>clicker quiz on reading materials (ch. 14) and mini lecture.  
- Activity: Coastal landforms  
- Activities: Coastal erosion and sediment transport  
- Activity: Past sea-level in Florida | - Finalize your work on the study questions assigned on week 13 (Ch. 14) by the end of Sunday. |
| **Module 5**  
Week 14 | - Read book Chapter 15 (Weathering, soils and mass wasting)  
- Watch the video content corresponding to ch. 15 | - i>clicker quiz on reading materials (ch. 15) and mini lecture.  
- Activity: Weathering products  
- Activity: Karstic landscape | - Finalize your work on the study questions assigned on week 14 (ch. 15) by the end of Sunday. |
<table>
<thead>
<tr>
<th>Date</th>
<th>Pre-class work to complete before Thursday</th>
<th>Activities to take place during Class</th>
<th>Assignments to complete after the class meeting and due by the end of the week</th>
</tr>
</thead>
</table>
| April 6 – 12 | • Work on your pre-class study questions (ch. 15) | • Discussion: Factors leading to mass wasting  
• Activity: Identification of mass-wasting types | • Blog on geological hazards become unavailable. |
| **Module 5**  | **Week 15**  | **April 13 – 19** |  
| Module 5 | | |  
| Week 15 | | |  
| April 13 – 19 | • Read book Chapters 16 (Streams and Flooding), and 17 (Water Resources)  
• Watch the video content corresponding to ch. 16 and 17  
• Work on your pre-class study questions (ch. 16, 17) | • i>clicker quiz on reading materials (ch. 16 and 17) and mini lecture.  
• Activity: Gradient and discharge calculation  
• Activity: Fluvial landforms  
• Activities: Water table and groundwater flow  
• Discussion: Groundwater pollution |  
| **Week 16**  |  |  
| Week 16 | | |  
| April 20 - 25 | Prepare for your final exam (review your in-class work, homework, textbook, and Connect practice quizzes) | | • Extra-credit corresponding to chapters 9 -17 (Connect LearnSmart and practice quizzes) due this week.  

**Final Exam:** covers chapters 9 - 17 (modules 3 -5)