

# Course Syllabus

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## ESC1000 Introduction to Earth Science

**Dr. Courtney Sprain** [csprain@ufl.edu](mailto:csprain@ufl.edu) 355 Williamson (352) 294-6319 Office hours: WTh 1-2 PM or by appointment

**TA:** Paloma Olarte Caccres [pmarina.olarteca@ufl.edu](mailto:pmarina.olarteca@ufl.edu) 266 Williamson Office hours : MF 12-1 PM

This is not actually the syllabus, you can find that here: [Accessibility score: High Click to improve ESC1000 Sprain Syllabus.docx](#)

. This page would be more accurately called the Class Calendar, as it shows the assignments and due dates for the semester as they are added.

**Course Schedule:** This course is divided into 4 modules that covers the material for each of the 4 exams. Each module and associated assignments and Smartwork activities will open as we move through the semester. The course Calendar on our Canvas page has the exact due dates for each activity.

### Rough Schedule

Module	Topics	Text Chapter
<b>Module 1:</b> 1/6-2/14	Introduction to Earth Science, the Solar System, and Plate Tectonics	Prelude, Ch 1, Ch 2, Parts of Ch 7, Assignments 1 & 2
2/14	Exam 1: Feb 14th	Prelude, Ch 1, 2, parts of Ch 7, and lecture notes
<b>Module 2:</b> 1/31-3/16	Earthquakes, Minerals, Igneous Rocks, Volcanoes and Volcanic Eruptions	Ch 7, Ch 8, Ch 3, Ch 4, Assignment 3
3/16	Exam 2: March 16th	Ch 7, Ch 8, Ch 3, Ch 4, and lecture notes
<b>Module 3:</b> 2/28-4/3	Weathering and Sedimentary Rocks, Dating, Energy Resources, Nuclear Energy, Mass Extinctions	Ch 5, Ch 9, Ch 11, Assignment 4
4/3	Exam 3: April 3rd	Ch 5, Ch 9, Ch 11, and lecture notes

<b>Module 4:</b>	Groundwater, Oceans and Coastlines, Atmosphere,	Ch 12, Ch 13, Ch 15,
3/30-4/22	Florida Geology	Assignment 5
4/22	Exam 4: April 22nd	Ch 12, Ch 13, Ch 15, and lecture notes

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**Lecture Videos** - Below are links to videos that may also be helpful as an additional resource throughout the semester

[Formation of the Solar System and early Earth \(Links to an external site.\)](#) (Chapter 1) ([Links to an external site.](#))

[Plate Tectonics i : Overview \(Links to an external site.\)](#)

[Plate Tectonics ii : Divergent Boundaries, mid-ocean ridges, age of the seafloor \(Links to an external site.\)](#)

[Plate Tectonics iii : Accretion, Mountain Building, and Florida \(Links to an external site.\)](#)

[Plate Tectonics iv : Transform Boundaries \(Links to an external site.\)](#)

[Plate Tectonics v : Paleomagnetism, magnetic anomalies, magnetic inclination \(Links to an external site.\)](#)

[Plate Tectonics vi : Isostasy \(Links to an external site.\)](#)

[Earthquakes i : Demonstration of Elastic Rebound Theory \(Links to an external site.\)](#)

[Earthquakes ii : Earthquake Patterns at Subduction Zones \(Links to an external site.\)](#)

[Volcanic eruptions: What controls the explosiveness of volcanic eruptions? \(Links to an external site.\)](#)

[Yellowstone \(Links to an external site.\)](#)

[Nuclear Energy](#)

## **Course Summary:**

Date	Details
Wed Jan 15, 2020	Assignment <a href="#">Smartwork5: (1) Learning/Reading activity - Prelude &amp; Chapter 1</a> due by 11:59pm Assignment <a href="#">Smartwork5: (1) Quiz - Prelude &amp; Chapter 1</a> due by 11:59pm
Wed Jan 22, 2020	Assignment <a href="#">Smartwork5: (2) Learning/Reading Activity - Chapter 2 Plate Tectonics</a> due by 11:59pm Assignment <a href="#">Smartwork5: (2) Quiz - Chapter 2 Plate Tectonics</a> due by 11:59pm Assignment <a href="#">Learning/Reading activity Chapter 7 Mountain Building and Geologic Structures</a> Assignment <a href="#">Assignment 1: Enter answers here</a> Assignment <a href="#">Assignment 1: Plate Tectonics i</a> Assignment <a href="#">Assignment 2 : Plate Tectonics ii</a> Assignment <a href="#">Assignment 2 : Plate Tectonics ii (Enter Answers Here)</a> Assignment <a href="#">Assignment 3 : Earthquakes (and Isostasy)</a> Assignment <a href="#">Assignment 3: Enter answers here</a> Assignment <a href="#">Assignment 4</a> Assignment <a href="#">Assignment 4: Dating (Enter answers here)</a> Assignment <a href="#">Assignment 5: Enter answers here</a> Assignment <a href="#">Assignment 5: The Geology Of Florida</a> Assignment <a href="#">Exam I</a> Assignment <a href="#">Exam II</a> Assignment <a href="#">Exam III</a> Assignment <a href="#">Exam IV</a> Assignment <a href="#">Extra Credit Quiz - Chapter 22</a> Assignment <a href="#">Smartwork5: (10) Learning/Reading Activity - Chapter 15: Oceans I</a> Assignment <a href="#">Smartwork5: (10) Quiz - Chapter 15: Oceans I</a> Assignment <a href="#">Smartwork5: (3) Learning/Reading Activity - Chapter 7 &amp; 8: Deformation &amp; Earthquakes</a> Assignment <a href="#">Smartwork5: (3) Quiz - Ch. 8 - Earthquakes</a> Assignment <a href="#">Smartwork5: (4) Learning/Reading Activity - Chapter 3: Minerals</a> Assignment <a href="#">Smartwork5: (4) Quiz - Chapter 3: Minerals</a> Assignment <a href="#">Smartwork5: (5) Learning/Reading Activity - Chapter 4: Volcanism &amp; Igneous Rocks</a>

**Date****Details**

- Assignment [Smartwork5: \(5\) Quiz - Chapter 4: Volcanism & Igneous Rocks](#)
- Assignment [Smartwork5: \(6\) Learning/Reading Activities - Chapter 5: Sedimentary Rocks](#)
- Assignment [Smartwork5: \(6\) Quiz - Chapter 5 Sedimentary Rocks](#)
- Assignment [Smartwork5: \(7\) Learning/Reading - Chapter 9: Geologic Time and Dating](#)
- Assignment [Smartwork5: \(7\) Quiz - Chapter 9: Geologic Time and Dating](#)
- Assignment [Smartwork5: \(8\) Learning/Reading activity - Chapter 11: Energy & Mineral Resources](#)
- Assignment [Smartwork5: \(8\) Quiz - Chapter 11: Energy & Mineral Resources](#)
- Assignment [Smartwork5: \(9\) Learning/Reading Activity - Chapters 12 & 13: Groundwater](#)
- Assignment [Smartwork5: \(9\) Quiz - Chapters 12 & 13: Groundwater](#)