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Introduction to the Earth: Merged	d 001-010 GEOL101-00	00-SPRING-2021 Course Info		
 Introduction to the Earth: Merged 001-010 (GEOL101-000-SPRING- 2021) 	Course Info			
Announcements		come to GEOL 101! 🐴		
START HERE	Atmo	come! This course introduces the science of geology, with an emphasis on physical processes that form and transform our pla osphere (the gaseous outer envelope of the Earth), Hydrosphere (the liquid water component of the Earth), and Biosphere (the science of the gaseous outer envelope of the Earth).	he living component of the Earth). This course provides a detailed overview of how the scientific method is applied, in t	he context of the
Course Info	respo	amental laws of physics and chemistry, to understand the Earth System, with particular emphasis being placed on the Geosp onsibly in a global community by: (1) carefully applying the scientific method as a tool for problem solving, in general; (2) criti	cally evaluating the scientific merit of anything that is presented as science (is it really science?), especially in the area o	of geology; and (3)
Syllabus Study Tips from Past Students		oughly incorporating geologic knowledge in important decisions and issues at the personal, local, national and global levels. S ndwater.	sample topics include plate tectonics, earthquakes, volcanoes, minerals & rocks, tossils & evolution, geologic time, strea	ams and
About Your Instructors Office Hours Sign Up	LEA	RNING OUTCOMES: Upon successful completion of GEOL 101, students will be able to	We figured most initial questions would be a	
Bb Collaborate (Use if you'd like to meet with other students)	:	Identify and explain the fundamental processes that operate on Earth's surface and within Earth's interior; Describe how our lives are influenced by these processes and, when and how human actions modify the processes; Evaluate the application of scientific principles in Earth science related articles presented in the mass media; Apply problem-solving skills such as analysis, synthesis and interpretation to real-world scenarios.	format of the class, any required meetings, a to get help, so that information was always landing page.	
Zoom Links: Lecture & Lab	How	v is this semester going to run? 📣		
Lecture Modules Lab Modules	This i	is a fully online course that will be taught through a mix of synchronous and asynchronous techniques. Your instructors have nized into three exam blocks, each with multiple labs.	e carefully considered feedback from past students and research on how people learn geology to design this course. Th	ne course is
· · · · · · · · · · · · · · · · · · ·	Synch	hronous meetings will be held at two times each week via Zoom (see links at left): once at the regularly scheduled LECTURE n	neeting time on Thursday, and again at your regularly scheduled LAB time.	
Quick access to	0	Tuesday lecture (asynchronous): Watch the assigned lecture videos and start work on your assignments for the week. Thursday lecture (synchronous): Join our class meeting to be put into a small group to work on and get feedback on your as lecture team (Dr. Ryker, Lance Tully) will be circulating to answer questions and check in on how your groups are doing. Lab meeting (synchronous): Meet with your lab instructor during your regularly scheduled lab time to get instruction on the		
like the syllabus,	, office	meeting time. Office hours (synchronous): Stuck outside of our class meeting times? Check in with Dr. Ryker, Lance or your lab instructor	to get unstuck! We are happy to answer your questions about geology in general, or the course. All lab-related questio	ons should be
hours, and Zoor	n links	directed to your lab instructor; see syllabus for their contact information.		
for live class me	etings,			

plus lecture and lab

materials.

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X Introduction to the Earth: Merg	ted 001-010 GEOL101-000-SPRING-2021 Lecture Modules						
 Introduction to the Earth: Merged 001-010 (GEOL101-000-SPRING- 	Lecture Modules						
Announcements START HERE Course Info	Exam 1 Materials, Spring 2021 This Exam 1 unit includes two modules: 1) Geology and the Scientific Process (Week 1) and 2) The Changing Solid Earth (and the Origin of South Carolina) (Weeks 2-5). Within this unit, you will have readings on Perusall, two mastery quizzes, weekly learning (homework), and three labs. Each of these are linked within the learning modules below.						
Syllabus Study Tips from Past Students About Your Instructors Office Hours Sign Up	Exam 2 Materials, Spring 2021 A This Exam 2 unit covers Reading Rocks to Interpret Earth's History. Within this unit, you will have readings on Perusall, two mastery quizzes, weekly learning journals (homework), and four labs. Each of these are linked within the learning modules below; the found under the Lab Modules tab to the left.						
Bb Collaborate (Use if you'd like to meet with other students)	Exam 3 Materials, Spring 2021 This Exam 3 unit includes two modules: 1) Life's Effect on Earth; Earth's Effect on Life (Weeks 11-12) and 2) Water and Social Each of these are linked within the learning modules below; the labs can be found under the Lab Modules tab to the left.	ety (Weeks 13-15). Within this unit, you will have readings on Perusall, two mastery quizzes, weekly learning journals (homew	ork), and four	labs.			
COURSE CONTENT Zoom Links: Lecture & Lab Lecture Modules Lab Modules	Perusall Readings - Use these links if those in the "Week X" folders don't work for you.	Course materials should always be organized consistently as possible to reduce student str					
RESOURCES FAQ My Grades Send Email	Mastery & Practice Quizzes	was especially true when everyone was gett to multiple new online formats. Keeping t organized help reduce our stress too	hings				
My Course Evaluations		L					

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Introduction to the Earth: Merged	d 001-010 GEOL101-000-SPRING-2021 Lecture Modules Exam 1 Materials, 1	Spring 2021		
🔘 🖻	Exam 1 Materials, Spring 2021			
Earth: Merged 001-010 (GEOL101-000-SPRING- 2021) Announcements START HERE	Exam 1 Learning Objectives and Readings	Exam materials always start with a handout of the learning objectives and readings all in one place.		
Course Info Syllabus Study Tips from Past Students	Week 1: Geology and the Scientific Process, 1/11/21 This week, you will learn how this course is organized and how you		tbook, and help us get to know you through a few short surveys.	
About Your Instructors Office Hours Sign Up 3b Collaborate (Use if you'd like to meet with	Week 2: Earth's Interior & Introduction to Plate Tectonics, 1/18/21 This week, you will learn about Wegener's continental drift hypothesis, the layers of the Earth, and get an introduction to plate tectonics, including the different types of convergent boundaries.			
you'd like to meet with other students)	Week 3: Plate Tectonics, continued, 1/25/21 This week, you will learn about divergent and transform plate box	undaries, hot spots, and more on the geologic history of the Earth	over the last 600 million years - including the origins of South Carolina.	
Zoom Links: Lecture & Lab Lecture Modules Lab Modules	This week, we will dive deeper into earthquakes - where and how	they form, as well as how they are measured.	Each week includes the start date to rem students which week they're working or	
RESOURCES FAQ My Grades	Week 5: Volcanoes, 2/8/21 This week, you will learn about volcano types and hazards, partice	ularly as they are related to the different plate boundaries.	find materials from a week they misse	d.
Send Email My Course Evaluations				

Sample week from Exam 1 materials

Introduction to the Earth: Mer	rged 001-010 GEOL101-000-SPRING-2021 Lecture Mode	ules Exam 1 Materials, Spring 2021 Week 3: Plate Tectonics, continued, 1/25/21			Exit Previe
Introduction to the Earth: Merged 001-010 (GEOL101-000-SPRING-	Table of Contents	Module Overview			
2021) Announcements	Module Overview Ch. 2, Sections 4-7 Video: Divergent and Transform Plate Boundaries, Hot	▲ ♥		Page 1 of 1	11 >
START HERE Course Info	Slides: Divergent and Transform Plate Boundaries, Hot Video: Plate Tectonics Over Time and the Origins of SC	Goals This week, you will learn about divergent and transform plate boundaries, hot spots, and more on the geologic history of the Earth over the last 600 million years - including the origins of South Carol Task List <u>Readings</u> : Chapter 2, sections 4-7 <u>Videos</u> : Divergent and Transform Plate Boundaries, Hot Spots; Plate Tectonics Over Time and the Origins of South Carolina <u>Assignments</u> : Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz 1			
Syllabus Study Tips from Past Students	 Slides: Plate Tectonics Over Time and the Origins of SC Week 3 Learning Journal Finish attempts of Quiz 1: Geology, the Scientific Proce Survey: Spatial-Science Views 				
		Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz	5		
About Your Instructors	 Video: Thursday's synchronous class 	Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz Lab: M: Introduction to Science & the Scientific Method; Tu-Th: Tectonic Plate Boundaries	5		
About Your Instructors Office Hours Sign Up		Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz	z 1	e	
	Slides: Thursday's synchronous class	Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz Lab: M: Introduction to Science & the Scientific Method; Tu-Th: Tectonic Plate Boundaries sented in the order we suggest	Each week includes the big picture goal and a list of tasks that must		
Office Hours Sign Up Bb Collaborate (Use if you'd like to meet with	Slides: Thursday's synchronous class	<u>Assignments</u> : Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz <u>Lab</u> : M: Introduction to Science & the Scientific Method; Tu-Th: Tectonic Plate Boundaries	Each week includes the big picture		
Office Hours Sign Up Bb Collaborate (Use if you'd like to meet with other students)	Slides: Thursday's synchronous class Slides: Thursday's synchronous class Materials are pre completing them: I	Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz Lab: M: Introduction to Science & the Scientific Method; Tu-Th: Tectonic Plate Boundaries sented in the order we suggest read the book, watch the lecture	Each week includes the big picture goal and a list of tasks that must		
Office Hours Sign Up Bb Collaborate (Use if you'd like to meet with other students)	Video: Thursday's synchronous class Slides: Thursday's synchronous class Materials are pre completing them: I videos (with slides	Assignments: Chapter 2 reading through Perusall; one survey; Week 3 Learning Journal; Quiz Lab: M: Introduction to Science & the Scientific Method; Tu-Th: Tectonic Plate Boundaries sented in the order we suggest	Each week includes the big picture goal and a list of tasks that must		

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survey, and watch the video from Thursday's synchronous class if you missed it (with slides provided). Formatting (e.g., "Video: XYZ") and order are consistent from week to week.

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倉 o	Introduction to the Earth: Merged 001-010 (GEOL101-000-SPRING-	Lab Mod	ules		
●●	2021) Announcements START HERE Course Info		Lab start date Labs will start Tuesday, January 19th. Please see my.sc.edu or the Zoom Links: Lecture & Lab tab to the left to find your lab section number, meeting day and time. Labs will be posted here at least the week before they are scheduled to give you to over.	ime to look th	hem
ੴ ⊞	Syllabus Study Tips from Past Students About Your Instructors		Lab 1: Introduction to Science & the Scientific Method		
	Office Hours Sign Up Bb Collaborate (Use if you'd like to meet with other students)		Lab 2: Tectonic Plate Boundaries		
E, C	COURSE CONTENT		Lab 3: Earthquakes		
Ð	Lecture Modules Lab Modules		Lab 4: Minerals		
	RESOURCES FAQ My Grades		Lab 5: Igneous Rocks and Volcanoes		

Sample lab landing page

				Student Preview mode is ON	Settings	Exit Preview
	Introduction to the Earth: Merg	ged 001-010 GEOL101-000-SPRING-2021	Lab Modules	Lab 5: Igneous Rocks and Volcanoes		
倉 _、	Introduction to the farth: Merged 001-010	Table of Contents	Page 1 of 6 >	Purpose / Introduction		
ά	(GEOL101-000-SPRING- 2021) Announcements	1. Purpose / Introduction 2. Learning Objectives	J	A*	Page 1	l of 6 >
Ē	START HERE Course Info	3. Background Information for Lab 1. Lab 5: Igneous Rocks 1. Lab Interest Survey 1. Lab Interest Survey 1. Link to lab powerpoint		Volcanic activity creates natural hazards, stunning vacation spots, fertile soil and valuable ores. Geologists use volcanoes not only to understand Earth's current dynamic system, but also to decode its co To understand how rocks form and change around the world, we need to understand how igneous rocks form and what factors influence the characteristics of an igneous rock.	omplicated h	history.
00	Syllabus Study Tips from Past Students	O. Link to lab powerpoint				
ŝ	About Your Instructors	Г				
\bowtie	Office Hours Sign Up Bb Collaborate (Use if you'd like to meet with other students)			ab page starts with a brief purpose/introduction, ved by more detailed learning objectives and any		
	COURSE CONTENT Zoom Links: Lecture & Lab Lecture Modules		survey	ssary background information. Next is the lab, a to learn more about the student experience, and		
Ð	Lab Modules		a lir	nk to the lab PowerPoint used by the graduate student instructors.		