

GEOG1111 Physical Geography

Course Map and Individual Lesson Overview

Lesson 0: Course overview & Syllabus & Core assessment & Geospatial technology	
Date:	Week 1: January 13-17
Topics:	<ul style="list-style-type: none">• Course overview & Syllabus• Core assessment• Geospatial technology
Learning Activities:	<ul style="list-style-type: none">• Read Syllabus• Watch Course Overview Video• Complete core assessment• Watch Geospatial Revolution 5 episodes (total length: ~1.5 hrs)• Post Response to Discussion 0• Read <i>Ritter</i> Chapter 1 (1.1-1.7) and Chapter 2 (2.3, 2.4, 2.6, 2.7) and <i>Patrich</i> Unit 1 (pp. 7-21)
Assignments:	<ul style="list-style-type: none">• Attendance verification• Core assessment, due by 11:59 PM January 17• Discussion 0, due by 11:59 PM January 17

Lesson 1: Essentials of geography	
Date:	Week 2: January 20-24*
Topics:	<ul style="list-style-type: none"> • Essentials of geography
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 1 (1.1-1.7) and Chapter 2 (2.3, 2.4, 2.6, 2.7) and <i>Patrich</i> Unit 1 (pp. 7-21) • Read Lesson 1 Course Materials on Essentials of geography • Watch Lesson 1 Lecture Video • Post Response to Discussion 1 • Complete Quiz 1
Assignments:	<ul style="list-style-type: none"> • *January 20 is Martin Luther King Jr. Holiday - No classes • Discussion 1, due by 11:59 PM January 25 • Quiz 1, due by 11:59 PM January 25

Lesson 2: Solar energy, Earth-sun relationships, and the seasons	
Date:	Week 3: January 27-31
Topics:	<ul style="list-style-type: none"> • Solar energy, Earth-sun relationships, and the seasons
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 2 (2.1, 2.2) and <i>Patrich</i> Units 2 (pp. 22-38) and 5 (pp. 66-75) • Read Lesson 2 Course Materials on Solar energy, Earth-sun relationships, and the seasons • Watch Lesson 2 Lecture Video • Post Response to Discussion 2 • Complete Quiz 2
Assignments:	<ul style="list-style-type: none"> • Discussion 2, due by 11:59 PM January 31 • Quiz 2, due by 11:59 PM January 31

Lesson 3: Earth's atmosphere	
Date:	Week 4: February 3-7
Topics:	<ul style="list-style-type: none"> • Earth's atmosphere
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 3 (3.1-3.6) and <i>Patrich</i> Unit 6 (pp. 76-82) • Read Lesson 3 Course Materials on Earth's atmosphere • Watch Lesson 3 Lecture Video • Post Response to Discussion 3 • Complete Quiz 3
Assignments:	<ul style="list-style-type: none"> • Discussion 3, due by 11:59 PM February 7 • Quiz 3, due by 11:59 PM February 7

Week5: Exam & Lab Week	
Date:	Week 5: February 10-14
Topics:	<ul style="list-style-type: none"> • Exam#1 • Our Planet Fresh Water • LabA
Learning Activities:	<ul style="list-style-type: none"> • Review the reading materials from Weeks 1-4 • Review Exam#1 Study Guide • Review Lecture Materials Lessons 1-3 • Complete Exam#1 • Watch Our Planet Fresh Water Video • Complete Our Planet Fresh Water Assignment • Complete LabA
Assignments:	<ul style="list-style-type: none"> • Our Planet Fresh Water Assignment, due by 11:59 PM February 14 • Exam#1, starts on 11:59 PM February 13 and dues by 11:59 PM February 14 • LabA, due by 11:59 PM February 14

Lesson 4: Atmospheric energy, radiation, and temperatures	
Date:	Week 6: February 17-21
Topics:	<ul style="list-style-type: none"> • Atmospheric energy, radiation, and temperatures
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapters 4 (4.1-4.8) and 5 (5.1-5.6), and <i>Patrich</i> Unit 6 (pp. 82-84) • Read Lesson 4 Course Materials on Atmospheric energy, radiation, and temperatures • Watch Lesson 4 Lecture Video • Post Response to Discussion 4 • Complete Quiz 4
Assignments:	<ul style="list-style-type: none"> • Discussion 4, due by 11:59 PM February 21 • Quiz 4, due by 11:59 PM February 21

Lesson 5: Atmospheric and oceanic circulations	
Date:	Week 7: February 24-28
Topics:	<ul style="list-style-type: none"> • Atmospheric and oceanic circulations
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 6 (6.1-6.11) and <i>Patrich</i> Unit 6 (pp. 84-94) • Read Lesson 5 Course Materials on Atmospheric and oceanic circulations • Watch Lesson 5 Lecture Video • Post Response to Discussion 5 • Complete Quiz 5
Assignments:	<ul style="list-style-type: none"> • Discussion 5, due by 11:59 PM February 28 • Quiz 5, due by 11:59 PM February 28

Lesson 6: Water and atmospheric moisture	
Date:	Week 8: March 3-7
Topics:	<ul style="list-style-type: none"> • Water and atmospheric moisture
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 7 (7.1-7.8) and <i>Patrich</i> Unit 7 (pp. 95-100) • Read Lesson 6 Course Materials on Water and atmospheric moisture • Watch Lesson 6 Lecture Video • Post Response to Discussion 6 • Complete Quiz 6
Assignments:	<ul style="list-style-type: none"> • Discussion 6, due by 11:59 PM March 7 • Quiz 6, due by 11:59 PM March 7

Week 9: Exam & Lab Week	
Date:	Week 9: March 10-14
Topics:	<ul style="list-style-type: none"> • Exam#2 • The Year Earth Changed • LabB
Learning Activities:	<ul style="list-style-type: none"> • Review the reading materials from Weeks 6-8 • Review Exam#2 Study Guide • Review Lecture Materials Lessons 4-6 • Complete Exam#2 • Watch The Year Earth Changed Video • Complete The Year Earth Changed Assignment • Complete LabB
Assignments:	<ul style="list-style-type: none"> • The Year Earth Changed Assignment, due by 11:59 PM March 14 • Exam#2, starts on 11:59 PM March 13 and dues by 11:59 PM March 14 • LabB, due by 11:59 PM March 14

Week 10: Spring Break	
Date:	Week 10: March 17-21
Topics:	<ul style="list-style-type: none"> • Happy Spring Break
Learning Activities:	<ul style="list-style-type: none"> • No Classes
Assignments:	<ul style="list-style-type: none"> • No Assignments

Lesson 7: Weather	
Date:	Week 11: March 24-28
Topics:	<ul style="list-style-type: none"> • Weather
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 8 (8.1-8.8) and <i>Patrich</i> Unit 7 (pp. 101-109) • Read Lesson 7 Course Materials on Weather • Watch Lesson 7 Lecture Video • Post Response to Discussion 7 • Complete Quiz 7
Assignments:	<ul style="list-style-type: none"> • Discussion 7, due by 11:59 PM March 28 • Quiz 7, due by 11:59 PM March 28

Lesson 8: Water resources	
Date:	Week 12: March 31 – April 4
Topics:	<ul style="list-style-type: none"> • Water resources
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 10 (10.1-10.5), <i>Southard</i> Chapter 12 (12.2) & Chapter 4 (4.1-4.6) • Read Lesson 8 Course Materials on Water resources • Watch Lesson 8 Lecture Video • Post Response to Discussion 8 • Complete Quiz 8
Assignments:	<ul style="list-style-type: none"> • Discussion 8, due by 11:59 PM April 4 • Quiz 8, due by 11:59 PM April 4

Lesson 9: Earth's climatic regions	
Date:	Week 13: April 7-11
Topics:	<ul style="list-style-type: none"> • Earth's climatic regions
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapter 9 (9.1-9.9) and <i>Patrich</i> Unit 7 (pp. 110-112) • Read Lesson 9 Course Materials on Earth's climatic regions • Watch Lesson 9 Lecture Video • Post Response to Discussion 9 • Complete Quiz 9
Assignments:	<ul style="list-style-type: none"> • Discussion 9, due by 11:59 PM April 11 • Quiz 9, due by 11:59 PM April 11

Week 14: Exam & Lab Week	
Date:	Week 14: April 14-18
Topics:	<ul style="list-style-type: none"> • Exam#3 • LabC
Learning Activities:	<ul style="list-style-type: none"> • Review the reading materials from Weeks 11-13 • Review Exam#3 Study Guide • Review Lecture Materials Lessons 7-9 • Complete Exam#3 • Complete LabC
Assignments:	<ul style="list-style-type: none"> • Exam#3, starts on 11:59 PM April 17 and dues by 11:59 PM April 18 • LabC, due by 11:59 PM April 18

Lesson 10: Plate tectonics	
Date:	Week 15: April 21-25
Topics:	<ul style="list-style-type: none"> • Plate tectonics
Learning Activities:	<ul style="list-style-type: none"> • Read <i>Ritter</i> Chapters 14 (sections 14.1-14.2), 15 (sections 15.1-15.4), and 16 (sections 16.1-16.5) and <i>Patrich</i> Units 13-15 (pp. 180-228) • Read Lesson 10 Course Materials on Plate tectonics • Watch Lesson 10 Lecture Video • Post Response to Discussion 10 • Complete Quiz 10
Assignments:	<ul style="list-style-type: none"> • Discussion 10, due by 11:59 PM April 25 • Quiz 10, due by 11:59 PM April 25

Lesson 11&12: Glaciers & Terrestrial biomes	
Date:	Week 16: April 28 – May 2
Topics:	<ul style="list-style-type: none"> • Glaciers • Terrestrial biomes
Learning Activities:	<p>Lesson 11</p> <ul style="list-style-type: none"> • Read Southard Chapter 7 (7.1-7.6), Ritte Chapter 19 (19.1-19.6), Patrich Unit 19 (pp. 278-297) • Read Lesson 11 Course Materials on Glaciers • Watch Lesson 11 Lecture Video • Post Response to Discussion 11 • Complete Quiz 11 <p>Lesson 12</p> <ul style="list-style-type: none"> • Read Ritter Chapter 13 (13.1-13.7) • Read Lesson 12 Course Materials on Terrestrial biomes • Watch Lesson 12 Lecture Video • Post Response to Discussion 12 • Complete Quiz 12
Assignments:	<ul style="list-style-type: none"> • Discussion 11, due by 11:59 PM April 30 • Quiz 11, due by 11:59 PM April 30 • Discussion 12, due by 11:59 PM May 2 • Quiz 12, due by 11:59 PM May 2

Week 17: Core assessment & Final exam	
Date:	Week 17: May 6-10*
Topics:	<ul style="list-style-type: none"> • Core assessment • Final exam
Learning Activities:	<ul style="list-style-type: none"> • Complete Core Assessment • Complete Final Exam
Assignments:	<ul style="list-style-type: none"> • May 5 is the last day of class • Core Assessment dues by 11:59 PM May 5 • Final Exam Starts on 11:59 PM May 5 and dues by 11:59 PM May 6