

Fall 2021

## PHYS 203-007: The Earth in Space

George Georgiou

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**The Earth in Space**  
**Physics 203** □ □  
**Fall 2021**

**Section 007—MW 8:30-9:50 KUPF 118**

**\*\*\*Because of personal scheduling issues, we will initially (~2-3weeks) meet in the synchronous online mode using webex**

**<https://njit.webex.com/meet/georgiou>**

**Instructor**

**Dr. George E. Georgiou**

**[george.e.georgiou@njit.edu](mailto:george.e.georgiou@njit.edu)**

**Office Hours:** After class or By appointment (send email)

**Canvas:** [canvas.njit.edu](https://canvas.njit.edu) –**Syllabus, Lecture Notes and Videos in Files section**

**Textbook**

**David McConnell and David Steer. *The Good Earth: Introduction to Earth Science*, Fourth Edition. McGraw-Hill Education, United States of America, 2018. (or any earlier edition)**

**Grade**

Your numerical final grade will be based upon **three examinations (22% each) and one Final Examination (34%)**. The examinations will be administered on the following dates.

<b>Exam 1</b>	<b>Wednesday 9/29 (covers thru week 4)</b>
<b>Exam 2</b>	<b>Wednesday 10/27 (Covers week 5-8)</b>
<b>Exam 3</b>	<b>Wednesday 11/17 (Covers week 9-11)</b>
<b>Final Exam</b>	<b>TBD during Finals week (all inclusive)</b>

**Grading formula:**  $.25(\text{exam } 1+2) + .15(\text{Project}) + .35(\text{Final})$

If you miss an examination, you will receive a grade of zero that will be calculated into your final grade. There are no make-up examinations (except for illness or work). The following table will determine your letter final grade.

<b>80% to 100%</b>	<b>A</b>
<b>75% to 80%</b>	<b>B+</b>
<b>70% to 74%</b>	<b>B</b>
<b>60% to 69%</b>	<b>C+</b>
<b>50% to 59%</b>	<b>C</b>
<b>40% to 49%</b>	<b>D</b>
<b>0% to 39%</b>	<b>F</b>

Exam grades will not be curved. Exams will consist of multiple-choice and/or true-false questions, all of which will come directly from topics discussed in class and/or topics discussed in the textbook. All exams are closed book and closed notes. Summary sheets will not be permitted

**Earth in Space (Phys 203) and Earth in Space Laboratory (Phys 203A) are independent courses. You can register for either one of these courses without being registered for the other course. Withdrawal from one course does not mean you must withdraw from the other course.**

Academic Integrity

All students who cheat during an examination are in violation of the Academic Honor Code. All such students will automatically fail the course and will be reported to the Dean of Student Services so that further action may be taken. Examples of cheating during an examination include, but are not limited to, talking with another student, copying work from another student's examination, allowing another student to copy work from your own examination, or use of any materials besides the examination paper and a writing utensil.

### Course Schedule

Week 1	Sept. 1, 2021	introduction to Earth Science (Chapter One)	***WEBEX
Week 2	Sept. 6, 2021	physical geography, cartography, and topography review of physics and chemistry (Chapter Seven)	***WEBEX
Week 3,	Sept. 13, 2021	mineralogy (Chapter Seven) petrology (Chapter Seven)	***WEBEX
Week 4	Sept. 20, 2021	Earth in Space, structure and composition of the geosphere (Chapter Two) the theory of plate tectonics (Chapter Four) orology (Chapter Six)	
Week 5	Sept. 27, 2021	seismology (Chapter Five) vulcanology (Chapter Six) paleogeology (Chapter Eight) <b>First examination (through Week 4)</b>	
Week 6	Oct. 4, 2021	introduction to the ocean (Chapter Thirteen)	
Week 7	Oct. 11, 2021	geological oceanography (Chapter Thirteen) chemical oceanography (Chapter Thirteen) biological oceanography (Chapter Thirteen)	
Week 8	Oct. 18, 2021	physical oceanography: ocean currents (Chapter Thirteen) physical oceanography: ocean waves (Chapter Thirteen) coasts and shores (Chapter Thirteen)	
Week 9	Oct. 25, 2021	<b>ATMOSPHERE (ch 14)</b> <b>Second examination (Week 5-8)</b>	
Week 10	Nov. 1, 2021	<b>ATMOSPHERE (Ch 14)</b> <b>WEATHER (Ch.15)</b>	
Week 11,	Nov. 8, 2021	<b>CLIMATE (Ch.16)</b>	
Week 12	Nov. 15, 2021	<b>GLOBAL WARMING (Ch. 17)</b> <b>Third examination (Week 9-11)</b>	
Thanksgiving Recess 11/25 – 11/28			
Week 13	Nov. 30, 2021	More Climate Change	
Week 14	Dec. 6, 2021	REVIEW	
Reading days	Monday and Tuesday December 13 and 14		

FINAL EXAM Dec. 15-21, 2021 **Cummulative,** ~1/2 same topics as exams 1-2  
~1/2 atmosphere, weather  
climate/climate change

## Fall 2021 Academic Calendar

September 1	Wednesday	First Day of Classes
September 6	Monday	Labor Day
September 8	Wednesday	Monday Classes Meet
September 8	Wednesday	Last Day to Add/Drop a Class
September 8	Wednesday	Last Day for 100% Refund, Full or Partial Withdrawal
September 9	Thursday	W Grades Posted for Course Withdrawals
September 15	Wednesday	Last Day for 90% Refund, Full or Partial Withdrawal NO Refund for Partial Withdrawal after this date
September 29	Wednesday	Last Day for 50% Refund, Full Withdrawal
October 20	Wednesday	Last Day for 25% Refund, Full Withdrawal
November 10	Wednesday	Last Day to Withdraw from Classes
November 25-28		Thanksgiving Recess
December 10	Friday	Last Day of Classes
December 13,14	MT	Reading Days
December 15-21		Final Exams
December 23	Thursday	Final Grades Due