

Spring 2023

## **PHYS 203 - 008: The Earth In Space**

George Georgiou

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The Earth in Space  
Physics 203  
Spring 2023

Section 008 – M 1-2:20      TLH1  
                                  W 1-2:20      ECEC 100

**Instructor**

**Dr. George E. Georgiou**

**TIER 423E**

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Office Hours: W 3-4 or 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*, McGraw-Hill Education. (any edition)

**Grade**

Your numerical final grade will be based upon 3 in-class exams (19% each), Final Exam (33%) and 10% Participation/Attendance. The examinations will be administered on the following dates.

Exam 1	Wednesday 2/15 (covers thru week 4)
Exam 2	Wednesday 3/22 (Covers week 5-8)
Exam 3	Wednesday 4/12(Covers week 9-11)
Final Exam	TBD, probably 5/10 (all inclusive but ~1/2 after week 11))

Grading formula:  $.19(\text{exam } 1+2+3) + .33(\text{Final}) + .10(\text{Participation})$

All exams are closed book / notes. All exams will use Canvas with Lockdown Browser.

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.

85% to 100%	A
80% to 85%	B+
70% to 79%	B
60% to 69%	C+
50% to 59%	C
40% to 49%	D
0% to 39%	F

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.

## Course Schedule

Week 1	W Jan.. 18, 2023	introduction to Earth Science System (Chapter One)
Week 2	W Jan.25, 2023	Earth in Space (Exosphere)(Chapter Two)
Week 3,	W Feb. 1,2023	review of physics and chemistry (Chapter Seven)
Week 4	W Feb. 8 2023	mineralogy (Chapter Seven)
Week 5	W Feb. 15, 2023	petrology (Chapter Seven)
		Plate Tectonics (Chapter Four)
		Mountains – Orology (Chapter Six)
		seismology (Chapter Five)
		<b>First examination (through Week 4)</b>
Week 6	W Feb. 22, 2023	vulcanology (Chapter Six)
Week 7	W Mar. 1, 2023	paleogeology (Chapter Eight)
		introduction to the ocean (Chapter Thirteen)
		geological oceanography (Chapter Thirteen)
		chemical oceanography (Chapter Thirteen)
		biological oceanography (Chapter Thirteen)
Week 8	W Mar. 8, 2023	physical oceanography: ocean currents (Chapter Thirteen)
		physical oceanography: ocean waves (Chapter Thirteen)
		coasts and shores (Chapter Thirteen)

## **Spring Recess      March 13-18**

Week 9	W Mar. 22, 2023	ATMOSPHERE (ch 14)
		<b>Second examination (Weeks 5-8)</b>
Week 10	W Mar. 29, 2023	ATMOSPHERE (Ch 14)
Week 11,	W April 5, 2023	WEATHER (Ch.15)
Week 12	W April 12, 2023	CLIMATE (Ch.16)
		GLOBAL WARMING (Ch. 17)
		<b>Third examination (Weeks 9-11)</b>
Week 13	W April 19, 2023	More Climate and Global Warming
Week 14	W April 26, 2023	REVIEW
Last Day of Class		Tuesday May 2,2023
Reading Days		W and R May 3-4
FINAL EXAM		TBD 5/5 – 5/11
		Probably 5/10
		Cummulative, ~1/2 same topics as exams 1-2
		~1/2 atmosphere, weather
		climate/climate change

## Fall 2023 Calendar

January	16	Monday	Martin Luther King, Jr. Day
January	17	Tuesday	First Day of Classes
January	23	Monday	Last Day to Add/Drop a Class
January	23	Monday	Last Day for 100% Refund, Full or Partial Withdrawal
January	24	Tuesday	W Grades Posted for Course Withdrawals
January	30	Monday	Last Day for 90% Refund, Full or Partial Withdrawal, No Refund for Partial Withdrawal after this date
February	13	Monday	Last Day for 50% Refund, Full Withdrawal
March	6	Monday	Last Day for 25% Refund, Full Withdrawal
March	13	Monday	Spring Recess Begins - No Classes Scheduled - University Open
March	18	Saturday	Spring Recess Ends
April	3	Monday	Last Day to Withdraw
April	7	Friday	Good Friday - No Classes Scheduled - University Closed
April	9	Sunday	Easter Sunday - No Classes Scheduled - University Closed
May	2	Tuesday	Friday Classes Meet
May	2	Tuesday	Last Day of Classes
May	3	Wednesday	Reading Day 1
May	4	Thursday	Reading Day 2
May	5	Friday	Final Exams Begin
May	11	Thursday	Final Exams End
May	13	Saturday	Final Grades Due
TBA			Commencement