

Fall 2023

## PHYS 203 - 009: The Earth In Space

George Georgiou

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The Earth in Space  
Physics 203  
Fall 2023

Section 009 –MW 10 ECEC 115

Instructor

Dr. George E. Georgiou

TIER 423E

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Office Hours: M 1:30-2:30 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 dates are:

Exam 1	Wednesday 10/4	(Covers thru week 4)
Exam 2	Wednesday 11/1	(Covers week 5-8)
Exam 3	Monday 11/20	(Covers week 9-11)
Final Exam	TBD	(all inclusive but ~1/2 after week 8)

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

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 9/6/23	introduction to Earth Science System (Chapter One)
Week 2	MW 9/11/23	Earth in Space (Exosphere)(Chapter Two) review of physics and chemistry (Chapter Seven)
Week 3,	MW 9/18/23	mineralogy (Chapter Seven) petrology (Chapter Seven)
Week 4	MW 9/25/23	Plate Tectonics (Chapter Four) Mountains – Orology (Chapter Six)
Week 5	M Oct. 2, 2023 W 10/4/23	seismology (Chapter Five) <b>First examination (through Week 4)</b>
Week 6	MW Oct. 9 2023	vulcanology (Chapter Six) paleogeology (Chapter Eight)
Week 7	MW Oct. 16, 2023	introduction to the ocean (Chapter Thirteen) geological oceanography (Chapter Thirteen) chemical oceanography (Chapter Thirteen) biological oceanography (Chapter Thirteen)
Week 8	MW Oct. 23, 2023	physical oceanography: ocean currents (Chapter Thirteen) physical oceanography: ocean waves (Chapter Thirteen) coasts and shores (Chapter Thirtee)
Week 9	M 10/30/23 W 11/1/23	ATMOSPHERE (ch 14) <b>Second examination (Weeks 5-8)</b>
Week 10	MW Nov 6, 2023	ATMOSPHERE (Ch 14) WEATHER (Ch.15)
Week 11,	MW Nov. 15, 2023	CLIMATE (Ch.16)
Week 12	M Nov 20 , 2023	<b>Third examination (Weeks 9-11)</b>
Week 13	MW Nov 27, 2023	Global Warming
Week 14	M Dec 4, 2023 W 12/6/23	More climate and Global warming REVIEW
Last Day of Class		W Dec 13,2023
Reading Days		R and F Dec. 14-15
FINAL EXAM		Dec 17-23 <b>Cummulative, ~1/2 same topics as exams1-2 ~1/2 atmosphere, weather climate/climate change</b>

## Fall 2023 Academic Calendar

Sept 4	Labor Day. University Closed
Sept 5	First Day of Classes
Sept 11	Last Day to Add/Drop a Class
Sept 11	Last Day for 100% Refund, Full or Partial Withdrawal
Sept 12	W Grades Posted for Course Withdrawals
Sept 18	Last Day for 90% Refund, Full or Partial Withdrawal - No Refund for Partial Withdrawal after this date
Oct 2	Last Day for 50% Refund, Full Withdrawal
Oct 23	Last Day for 25% Refund, Full Withdrawal
Nov 13	Last Day to Withdraw from Classes
Nov 21	Thursday Classes Meet
Nov 22	Friday Classes Meet
Nov 23	Thanksgiving Recess Begins. No Classes
Nov 26	Thanksgiving Recess Ends
Dec 13	Last Day of Classes
Dec 14	Reading Day 1
Dec 15	Reading Day 2
Dec 16	Saturday Classes Meet
Dec 17	Final Exams Begin
Dec 23	Final Exams End
Dec 25	Final Grades Due