

Fall 2023

PHYS 203 - 101: The Earth In Space

George Georgiou

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The Earth in Space
Physics 203
Fall 2023

Section 101 -- F 6-9 ECEC 115

Instructor

Dr. George E. Georgiou

TIER 423E

georgiou@njit.edu

Office Hours: F 4-5:30 or after class or By appointment (send email)

Canvas: 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	Friday 10/6	(Covers thru week 4)
Exam 2	Friday 11/3	(Covers week 5-8)
Exam 3	Wednesday 11/22	(Covers week 9-11) – F schedule
Final Exam	TBD, probably 12/22	(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	F, Sept 8, 2023	introduction to Earth Science System (Chapter One)
Week 2	F Sept 15, 2023	Earth in Space (Exosphere)(Chapter Two) review of physics and chemistry (Chapter Seven)
Week 3,	F Sept. 22,2023	mineralogy (Chapter Seven) petrology (Chapter Seven)
Week 4	F Sept.29, 2023	Plate Tectonics (Chapter Four) Mountains – Orology (Chapter Six)
Week 5	F Oct. 6, 2023	seismology (Chapter Five) First examination (through Week 4)
Week 6	F Oct. 13 2023	vulcanology (Chapter Six) paleogeology (Chapter Eight)
Week 7	F Oct. 20, 2023	introduction to the ocean (Chapter Thirteen) geological oceanography (Chapter Thirteen) chemical oceanography (Chapter Thirteen) biological oceanography (Chapter Thirteen)
Week 8	F Oct. 27, 2023	physical oceanography: ocean currents (Chapter Thirteen) physical oceanography: ocean waves (Chapter Thirteen) coasts and shores (Chapter Thirtee)
Week 9	F Nov. 3, 2223	ATMOSPHERE (ch 14) Second examination (Weeks 5-8)
Week 10	F Nov 10, 2023	ATMOSPHERE (Ch 14) WEATHER (Ch.15)
Week 11,	F Nov. 17, 2023	CLIMATE (Ch.16)
Week 12	W Nov 22, 2023	GLOBAL WARMING (Ch. 17) – F classes meet Third examination (Weeks 9-11)
Week 13	F Dec 1, 2023	More Climate and Global Warming
Week 14	F Dec 8, 2023	REVIEW
Last Day of Class	W Dec 13,2023	
Reading Days	R and F Dec. 14-15	
FINAL EXAM	Dec 17-23 Probably 12/22 (Consider 12/15)	Cummulative, ~1/2 same topics as exams1-2 ~1/2 atmosphere, weather climate/climate change

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