

Spring 2022

PHYS 203-008: The Earth in Space

George Georgiou

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The Earth in Space
Physics 203
Spring 2022

Section 008 – TR 2:30-3:50

CULM LECT 3

Instructor

Dr. George E. Georgiou
georgiou@njit.edu

Office Hours: TR 1-2 or By appointment (send email)

Canvas: canvas.njit.edu – Syllabus, Lecture Notes and Videos in Files section

Synchronous online via webex until 1/31

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

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.

(covers thru week 4)	Exam 1	Thursday 2/17
(Covers week 5-8)	Exam 2	Thursday 3/24
(Covers week 9-11)	Exam 3	Thursday 4/14
inclusive but ~1/2 after week 11))	Final Exam	TBD (all

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.

80% to 100%	A
75% to 80%	B+
70% to 74%	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	T Jan. 18, 2022	introduction to Earth Science System (Chapter One)
Week 2	T Jan. 25, 2022	Earth in Space (Exosphere)(Chapter Two)
		review of physics and chemistry (Chapter Seven)
Week 3	T Feb. 1, 2022	mineralogy (Chapter Seven)
		petrology (Chapter Seven)
Week 4	T Feb. 8, 2022	Plate Tectonics (Chapter Four)
		Mountains – Orology (Chapter Six)
Week 5	T Feb. 15, 2022	seismology (Chapter Five)
		First examination on 2/17(through Week 4)
Week 6	T Feb. 22, 2022	vulcanology (Chapter Six)
		paleogeology (Chapter Eight)
Week 7	T Mar. 1, 2022	introduction to the ocean (Chapter Thirteen)
		geological oceanography (Chapter Thirteen)
		chemical oceanography (Chapter Thirteen)
		biological oceanography (Chapter Thirteen)
Week 8	T Mar. 8, 2022	physical oceanography: ocean currents (Chapter Thirteen)
		physical oceanography: ocean waves (Chapter Thirteen)
		coasts and shores (Chapter Thirteen)
	T Mar. 15, 2022	Spring Break
Week 9	T Mar. 22, 2022	ATMOSPHERE (ch 14)
		Second examination on 3/24 (Week 5-8)
Week 10	T Mar. 29, 2022	ATMOSPHERE (Ch 14)
		WEATHER (Ch.15)
Week 11,	T Apr. 5, 2022	CLIMATE (Ch.16)
Week 12	T Apr. 12, 2022	GLOBAL WARMING (Ch. 17)
		Third examination on 4/14 (Week 9-11)
Week 13	T Apr. 19, 2022	More Global Warming
Week 14	T Apr. 26, 2022	REVIEW

Reading days 5/4 (Wednesday) and 5/5 (Thursday)

FINAL EXAM	TBD 5/6 – 5/12	Cummulative, ~1/2
same topics as exams 1-2		~1/2
	atmosphere, weather	
		climate/climate change

Spring 2022 Calendar:

January 18 (T)	First day of class
January 24 (M)	Last Day for 100% Refund, Full or Partial Withdrawal
February 14 (M)	Last Day for 50% Refund, Full Withdrawal
March 7 (M)	Last Day for 25% Refund, Full Withdrawal
March 14-19	Spring Recess Begins - No Classes Scheduled - University Open
April 4 (M)	Last Day to Withdraw
April 15 (F)	Good Friday - No Classes Scheduled - University Closed
May 3 (T)	Friday Classes meet – Last Day of Classes
May 4-5 (W-R)	Reading Days
May 6 – 12 (F-R)	Final Exam week
May 14 (Sat)	Final Grades Due