

Spring 2024

PHYS 203 - 008: The Earth In Space

George Georgiou

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The Earth in Space
Physics 203
Spring 2023

Section 008 – T 11:30 – 12:50 ECE100
R 10-11:20 TLH1
Section 010 – W 1-2:20 ECE100
R 10-11:20 TLH1

Instructor

Dr. George E. Georgiou
Tier 423E
georgiou@njit.edu

Office Hours: T 3-4 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 (22% each) and Final Exam (34%)** The examinations will be administered on the following dates.

Exam 1	Thursday 2/15 (covers thru week 4)
Exam 2	Thursday 3/21 (Covers week 5-8)
Exam 3	Thursday 4/11 (Covers week 9-11)
Final Exam	TBD (all inclusive but ~1/2 after week 11))

Grading formula: $.22(\text{exam } 1+2+3) + .34(\text{Final})$

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.

85% to 100%	A
80% to 85%	B+
70% to 79%	B
65% to 69%	C+
55% to 64%	C
40% to 54%	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-R Jan. 16, 2024	introduction to Earth Science System (Chapter One)
Week 2	T-R Jan. 23, 2024	Earth in Space (Exosphere)(Chapter Two)
		review of physics and chemistry (Chapter Seven)
Week 3 ,	T-R Jan 30,2024	mineralogy (Chapter Seven)
		petrology (Chapter Seven)
Week 4	T-R Feb. 6 2024	Plate Tectonics (Chapter Four)
		Mountains – Orology (Chapter Six)
Week 5	T or W Feb.13, 2024	seismology (Chapter Five)
	R Feb 15, 2024	First examination (covers through Week 4)
Week 6	T-R Feb.20,2024	vulcanology (Chapter Six)
		paleogeology (Chapter Eight)
Week 7	T-R Feb. 27, 2024	introduction to the ocean (Chapter Thirteen)
		geological oceanography (Chapter Thirteen)
		chemical oceanography (Chapter Thirteen)
		biological oceanography (Chapter Thirteen)
Week 8	T-R Mar. 5, 2024	physical oceanography: ocean currents (Chapter Thirteen)
		physical oceanography: ocean waves (Chapter Thirteen)
		coasts and shores (Chapter Thirteen)

SPRING BREAK

Mar. 10-16

Week 9	T or W Mar. 19, 2024	ATMOSPHERE (ch 14)
	R Mar. 21, 2024	Second examination (Covers Weeks 5-8)
Week 10	T-R Mar. 26, 2024	ATMOSPHERE (Ch 14)
		WEATHER (Ch.15)
Week 11,	T-R Apr. 2, 2024	CLIMATE (Ch.16)
Week 12	T or W Apr. 9, 2024	GLOBAL WARMING (Ch. 17)
	R Apr. 11, 2024	Third examination (Covers Weeks 9-11)
Week 13	T-R Apr. 16, 2024	More Climate and Global Warming
Week 14	R Apr. 25, 2024	REVIEW
	T Apr 30, 2024	Friday classes meet, Last day of class

Reading Days May 1-2

FINAL EXAM TBD May 3-9 **Cummulative, ~1/2 same topics as exams 1-2**
~1/2 atmosphere, weather
climate/climate change

Spring 2024 Calendar:

January	16	Tuesday	First Day of Classes
January	22	Monday	Last Day to Add/Drop a Class
January	22	Monday	Last Day for 100% Refund, Full or Partial Withdrawal
January	23	Tuesday	W Grades Posted for Course Withdrawals
January	29	Monday	Last Day for 90% Refund, Full or Partial Withdrawal, No Refund for Partial Withdrawal after this date
February	12	Monday	Last Day for 50% Refund, Full Withdrawal
March	4	Monday	Last Day for 25% Refund, Full Withdrawal
March	10	Sunday	Spring Recess Begins - No Classes Scheduled - University Open
March	16	Saturday	Spring Recess Ends
March	29	Friday	Good Friday - No Classes Scheduled - University Closed
April	1	Monday	Last Day to Withdraw
April	30	Tuesday	Friday Classes Meet
April	30	Tuesday	Last Day of Classes
May	1	Wednesday	Reading Day 1
May	2	Thursday	Reading Day 2
May	3	Friday	Final Exams Begin
May	9	Thursday	Final Exams End
May	11	Saturday	Final Grades Due