Spring 2023

PHYS 203 - 010: The Earth In Space

George Georgiou

The Earth in Space
Physics 203
Spring 2023

Section 010 – M 1-2:20 TLH1
R 11:30-12:50 ECEC 100

Instructor

Dr. George E. Georgiou
Tier 423E
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Office Hours: R 1-2 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 will be administered on the following dates.

Exam 1	**Thursday 2/16 (covers thru week 4)**
Exam 2	**Thursday 3/23 (Covers week 5-8)**
Exam 3	**Thursday 4/13 (Covers week 9-11)**
Final Exam	**TBD (all inclusive but ~1/2 after week 11))**

Grading formula: .19(exam 1+2+3) + .33(Final) + .10(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 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	R Jan. 19, 2023	introduction to Earth Science System (Chapter One)
Week 2	R Jan. 26, 2023	Earth in Space (Exosphere)(Chapter Two) review of physics and chemistry (Chapter Seven)
Week 3 ,	R Feb. 2,2022	mineralogy (Chapter Seven) petrology (Chapter Seven)
Week 4	R Feb. 9 2023	Plate Tectonics (Chapter Four) Mountains – Orology (Chapter Six)
Week 5	M Feb.13, 2023	seismology (Chapter Five)
	R Feb 16, 2023	First examination (covers through Week 4)
Week 6	R Feb.23,2023	vulcanology (Chapter Six) paleogeology (Chapter Eight)
Week 7	R Mar. 2, 2023	introduction to the ocean (Chapter Thirteen) geological oceanography (Chapter Thirteen) chemical oceanography (Chapter Thirteen) biological oceanography (Chapter Thirteen)
Week 8	R Mar. 9, 2023	physical oceanography: ocean currents (Chapter Thirteen) physical oceanography: ocean waves (Chapter Thirteen) coasts and shores (Chapter Thirteen)
SPRING BREAK		**Mar. 13-18**
Week 9	M Mar. 20, 2023	ATMOSPERE (ch 14)
	R Mar. 23, 2023	Second examination (Covers Weeks 5-8)
Week 10	R Mar. 30, 2023	ATMOSPHERE (Ch 14) WEATHER (Ch.15)
Week 11,	R Apr. 6, 2023	CLIMATE (Ch.16)
Week 12	M Apr. 10, 2023	GLOBAL WARMING (Ch. 17)
	R Apr. 13, 2023	Third examination (Covers Weeks 9-11)
Week 13	R Apr. 20, 2023	More Climate and Global Warming
Week 14	R Apr. 27, 2023	REVIEW
Reading Days		May 3-4
FINAL EXAM		TBD May 5-11

Cummulative, ~1/2 same topics as exams1-2
~1/2 atmosphere, weather
climate/climate change

Spring 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	Tueday	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