

The Earth in Space  
Physics 203  
Fall 2023

Section 101 -- F 6-9      ECEC 115

**Instructor**

**Dr. George E. Georgiou**

**TIER 423E**

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**Office Hours:** F 4-5:30 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:

<b>Exam 1</b>	<b>Friday 10/6</b>	<b>(Covers thru week 4)</b>
<b>Exam 2</b>	<b>Friday 11/3</b>	<b>(Covers week 5-8)</b>
<b>Exam 3</b>	<b>Wednesday 11/22</b>	<b>(Covers week 9-11) – F schedule</b>
<b>Final Exam</b>	<b>TBD, probably 12/22</b>	<b>(all inclusive but ~1/2 after week 8)</b>

**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.**

<b>85% to 100%</b>	<b>A</b>
<b>80% to 85%</b>	<b>B+</b>
<b>70% to 79%</b>	<b>B</b>
<b>60% to 69%</b>	<b>C+</b>
<b>50% to 59%</b>	<b>C</b>
<b>40% to 49%</b>	<b>D</b>
<b>0% to 39%</b>	<b>F</b>

**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)
Week 3,	F Sept. 22,2023	review of physics and chemistry (Chapter Seven)
Week 4	F Sept.29, 2023	mineralogy (Chapter Seven)
Week 5	F Oct. 6, 2023	petrology (Chapter Seven)
		Plate Tectonics (Chapter Four)
		Mountains – Orology (Chapter Six)
		seismology (Chapter Five)
		<b>First examination (through Week 4)</b>
Week 6	F Oct. 13 2023	vulcanology (Chapter Six)
Week 7	F Oct. 20, 2023	paleogeology (Chapter Eight)
		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)
		<b>Second examination (Weeks 5-8)</b>
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
		<b>Third examination (Weeks 9-11)</b>
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