

Spring 2024

## PHYS 203 - 102: The Earth In Space

George Georgiou

Follow this and additional works at: <https://digitalcommons.njit.edu/phys-syllabi>

---

### Recommended Citation

Georgiou, George, "PHYS 203 - 102: The Earth In Space" (2024). *Physics Syllabi*. 704.  
<https://digitalcommons.njit.edu/phys-syllabi/704>

This Syllabus is brought to you for free and open access by the NJIT Syllabi at Digital Commons @ NJIT. It has been accepted for inclusion in Physics Syllabi by an authorized administrator of Digital Commons @ NJIT. For more information, please contact [digitalcommons@njit.edu](mailto:digitalcommons@njit.edu).

The Earth in Space  
Physics 203  
Spring 2024

Section 102 – T 6-8:50      ECEC 115

**Instructor**

**Dr. George E. Georgiou**

**TIER 423E**

**[georgiou@njit.edu](mailto:georgiou@njit.edu)**

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

<b>Exam 1</b>	<b>Tuesday 2/13 (covers thru week 4)</b>
<b>Exam 2</b>	<b>Tuesday 3/19 (Covers week 5-8)</b>
<b>Exam 3</b>	<b>Tuesday 4/9 Covers week 9-11)</b>
<b>Final Exam</b>	<b>TBD, probably 5/10 (all inclusive but ~1/2 after week 11))</b>

**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.

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

## **Spring Recess      March 10-16**

Week 9	T Mar. 19, 2024	ATMOSPHERE (ch 14) <b>Second examination (Weeks 5-8)</b>
Week 10	T Mar. 26, 2024	ATMOSPHERE (Ch 14) WEATHER (Ch.15)
Week 11,	T April 2, 2024	CLIMATE (Ch.16)
Week 12	T April 9, 2024	GLOBAL WARMING (Ch. 17) <b>Third examination (Weeks 9-11)</b>
Week 13	T April 16, 2023	More Climate and Global Warming
Week 14	T April 23, 2023	REVIEW
Last Day of Class Reading Days		NO CLASS Tuesday Apr..30,2024 – FRIDAY Schedule W and R May 1-2
FINAL EXAM		TBD Probably 5/7 Cummulative, ~1/2 same topics as exams1-2 ~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