

Course Syllabus ESC 1000C - 1565

Earth Science Spring Term 2023-2024 (0630)

Welcome

Hello and welcome to earth science. This class is a combination of geology, oceanography, meteorology, and astronomy. We won't be going too deep into these sciences but we'll do enough to give you a flavor of how each of them works. Essentially, our goal is for you to be able walk around and understand what you're seeing. If you find yourself enjoying one particular part of the course, feel free to ask your instructor about taking a whole class about that discipline right here at SPC.

Good luck and have fun!

Instructor Contact Information

Ethan Goddard

Email

Goddard.Ethan@spcollege.edu

Phone: The MyCourses email tool remains the most efficient and reliable means of communicating with the instructor for this course. Please, unless absolutely unable to do so, use the MyCourses email tool for all course related communication. If you are unable to use the MyCourses email tool you can leave a message for me in the SPC Voicemail System at 727-344-8004. I will use the MyCourses email tool to respond to all voicemails.

Office and Online Chat Hours:

Because I teach entirely through eCampus I do not have office hours. During the course term students should contact me via the MyCourses email tool.

Office Location:

n/a

Instructor Web Page:

https://web.spcollege.edu/instructors/id/goddard.ethan

Zoom Link for Class:

n/a

Departmental Contact Information

Dr Natavia Middleton

Title: Dean

Email: middleton.natavia@spcollege.edu

Phone Number: 727-398-8288

Appointment Information: Call or Email contacts above to schedule an appointment

Dr. Grace Moore

Title: Assistant Dean

Email: moore.grace@spcollege.edu **Phone Number:** 727-341-4374

Appointment Information: Call or Email contacts above to schedule an appointment

Course Information

Prerequisite(s): ESC 1000C Requisites: (ENC 0025 and REA 0017 and MAT 0028) or EAP 1695 and MAT 0028) Credit is only given for ESC 1000C or ESC 1000/L.

Credit Hours: 3

Modality: Online

Course Description: This course is an introduction to the essential principles relevant to the earth sciences. Contemporary issues are applied to topics in earth science and include the process of science, fundamental understanding of how the earth sciences are

expressions of chemistry and physics, and the economic, environmental, and social impacts related to earth materials and processes. This course is taught in a "C" format with 2 hours of lecture and 1 hour of lab. (Note: Credit is not given for both ESC 1000C and ESC 1000/L).

Course Objectives

- 1. The student will analyze the fundamental principles that underlie the earth sciences by:
 - a. describing the steps and principles involved in the scientific method
 - b. evaluating different methods of measurement of natural phenomena.
- 2. The student will describe the basic aspects of geology by:
 - a. identifying rocks and minerals and their properties
 - b. reading and interpreting topographic and geologic maps
 - c. defining the processes that shape the Earth's surface
 - d. explaining the ways in which geologic materials are dated
- 3. The student will analyze the major events in the history of the Earth by:
 - a. evaluating the theoretical causes of major evolutionary and extinction events
 - b. distinguishing mountain building, rifting and other events with respect to the forces that produced them.
 - c. memorizing the geologic time scale and placing events in their proper place on this scale
- 4. The student will explain the features of the ocean and marine life by:
 - a. defining the nature of sea water with respect to its chemistry and motion within the ocean basins of the Earth
 - b. comparing and contrasting different types of marine life relative to each other
 - c. analyzing the different features on the ocean floor

- 5. The student will analyze climate, weather and atmospheric systems by:
 - a. explaining the different ways in which the atmosphere is measured
 - b. labeling and describing components of weather maps
 - c. recognizing how Earth's climate system functions and changes
- 6. The student will define the principles of astronomy by:
 - a. analyzing the history of astronomical thought
 - b. describing the structure of our solar system
 - c. explaining the nature of the Earth Moon system
 - d. charting the origin of the universe and our solar system

Required Textbook and Other Resources

All required readings are in the course.

Subtitle: Students DO NOT need to purchase a text book or any other course materials **Required or Optional:** This course makes use of freely available Open Educational Resources (OERs). These are free, there is no book. If you would like to buy a hard copy book ask your instructor for a recommendation.

Performance Assessment and Grading

Proctored Midterm Exam - 20%

Proctored Final Exam - 20%

Lab Exercises and Activities - 35%

Discussions - 15%

Module Quizzes - 10%

Grading Scale

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = 0.59%

Respondus LockDown Browser Proctored Testing Information

Proctored Testing Requirement

This course requires one or more of your quizzes/exams in MyCourses to be virtually proctored. Proctoring will be conducted using an online proctoring service called LockDown Browser & Respondus Monitor. You DO NOT need to create an account or schedule an appointment. Your quizzes will be accessible on the dates your instructor has set for you to take them. To take a LockDown Browser & Respondus Monitor quiz, you will need the following: a computer, a working webcam/microphone, your ID, and a stable internet connection. Check out LockDown Browser & Respondus Monitor Support for Test-Takers to learn more or for technical assistance.

Room Scan & ID Information

To uphold academic integrity and ensure a fair testing environment for all students, you will be asked to conduct a room scan and show a valid, official ID prior to beginning your examination. Please be aware that this process involves your webcam recording and inspecting your physical testing environment. This includes the surface of your desk, any surrounding walls, and the area under your desk. By participating in this course and its assessments, you acknowledge and consent to these conditions.

Your official ID should include your name, photo, and signature for identity verification purposes. Acceptable forms of ID include a university ID, driver's license, passport, or other government-issued identification. No examination will be permitted to start without a proper ID check.

What is my responsibility?

For courses that utilize LockDown Browser & Respondus Monitor, students are required to have a Windows, MAC computer, iPad, or Chromebook, a Web Cam, and download the LockDown Browser. You will be prompted to download the Lockdown Browser when launching the quiz in MyCourses.

Need help? Contact

Lockdown Browser/Respondus Monitor Support

Availability of Course Content

To gain access to the course materials/modules, students must complete the course syllabus quiz during Week 1

Course Attendance

We are required to report your attendance for the first and second weeks and at the 60% point in the class. For this class, you will be considered actively participating if you complete the minimum assignments, as listed below:

1. 1st Week - Complete at least the Historic Figures in Geoscience Discussion

- 2. 2nd Week Complete at least 70% of Module 1 assignments
- 3. 60% Point Complete the Midterm Exam and at least 70% of assignments to date

Technology Requirements & Policy

View the MyCourses Minimum Technology Requirements.

Minimum Technical Skills: Students should know how to navigate the course and use the course tools (email, discussion, gradebook, etc.). MyCourses tutorials are available to students new to this LMS and are located at the beginning of the course. Most features on MyCourses are accessible on mobile devices, although it is recommended that you use a computer for quizzes, tests, and essay assignments.

Students also MUST become proficient with [publisher or other 3rd party tools or platforms here] and the tools contained within the program to be successful in this course.

Accessibility of Technology

- MyCourses (Brightspace by Desire2Learn) Accessibility
- Microsoft Accessibility
- Google (YouTube) Accessibility
- Panopto Accessibility
- Turnitin Accessibility
- Honorlock Accessibility
- Cengage Accessibility
- McGraw-Hill Accessibility
- Pearson Accessibility

Privacy

- MyCourses (Brightspace by Desire2Learn) Privacy
- Microsoft Privacy
- YouTube Privacy
- Panopto Privacy
- <u>Turnitin Privacy</u>
- Honorlock Privacy and SPC's Honorlock Security and Privacy FAQ
- Cengage Privacy
- McGraw-Hill Privacy
- Pearson Privacy

Important Dates

Class Dates: 16-JAN-2024 to 10-MAY-2024

Drop Date: 19-JAN-2024

Withdrawal Date: Please reference the Academic Calendar below

https://www.spcollege.edu/academic-calendar

Learner Support and Other Student Resources

Use the following links to view web sites on SPC's:

- Free Tutoring
- Accessibility Services
- Academic Support
- On-Campus and Online Support
- Student Services

Additional Resources:

- Academic Calendar
- Learning Resources
- Career Services
- International Student Services
- <u>Veterans Services</u>

MyCourses Assignment Schedule

Due Date	Name	Туре	Points
	Florida Water Issues	Discussion	100
	Groundwater Dropbox	Assignment	50
	Mid-Term Exam	Quiz	100
	Historical Figures in the Geosciences: Focus on Minorities and Women	Discussion	100
	Minerals	Quiz	25
	Extreme Weather in the News	Discussion	100
	Syllabus Quiz	Quiz	
	Science or Snake Oil?	Discussion	100
	Coral Reef Bleaching Dropbox	Assignment	14
	Module 3 Quiz	Quiz	100
	Yellowstone Hotspot Dropbox	Assignment	22

Due Date	Name	Туре	Points
	Weather Intepretation Dropbox	Assignment	35
	Final Exam	Quiz	100
	Hubble	Discussion	100
	Oservational Astronomy Dropbox	Assignment	10
	Sunspots Dropbox	Assignment	32
	Module 6 Quiz	Quiz	100
	Geologic Time Dropbox	Assignment	50
	ENSO Dropbox	Assignment	50
	Introduce Yourself!	Discussion	100
	Plate Boundaries Dropbox	Assignment	50
	Concept Sketch of the Solar System Dropbox	Assignment	50
	Module 5 Quiz	Quiz	100
	Module 4 Quiz	Quiz	100
	Sea Level Rise Dropbox	Assignment	40
	Ocean Plastics	Discussion	100
	Module 2 Quiz	Quiz	100
	Module 1 Quiz	Quiz	100

Due Date	Name	Туре	Points
	Rocks	Quiz	29
	Tropical Cyclones Dropbox	Assignment	100
	Morrow Mountain Virtual Field Trip Dropbox	Assignment	14

Course Assignment Schedule

Proctored Midterm Exam and Proctored Final Exam

These are worth 20% of your grade each for a total of 40%. The Final Exam is NOT cumulative, it will only cover the material from the second half of the class. Proctored means that they are supervised. We'll be doing our testing using Respondus. For more information please see the SPC Respondus Lockdown Browser and Monitor support page: https://studentsupport.spcollege.edu/hc/en-us/sections/20385875837979-Respondus-Lockdown-Browser-and-Monitor

Lab Exercises and Activities

This course combines lab and class material. The lab exercises and activities for this class are usually (but not always) something you download and complete. There are times when you will be required to photograph or scan your work then submit to the Dropbox. These are worth 35% of your grade. An accessible assignment option is available for the Concept Sketches for those learners with sight accommodations. Please contact your instructor for more information.

Discussions

These are meant to encourage you to engage with your fellow students. You'll be given a topic to write about and asked to respond to other students writing as well. These are worth 15% of your grade.

Module Quizzes

Each module has a multiple choice quiz. These are open book with multiple attempts and are meant to help you gauge your progress and prepare for the exams. They're worth 10% of your grade.

LATE ASSIGNMENT POLICY

Students may submit any assignment late up until the posted Final Deadline for Submissions specified below and in the Course Calendar.

Assignments submitted after the posted deadline are subject to a 20% late penalty.

Assignments that are not submitted will be scored as zero and included in the final grade calculation.

FINAL SUBMISSION DEADLINE

All assignments must be submitted by 10:00pm EST Wednesday May 8, 2024

Communication Plan

Communication Channels

I will use MyCourses announcements for broad and general communication of important course information.

I will use the MyCourses email tool for direct communication with individual students or when important course information needs to be conveyed.

I will use the MyCourses SParC text messaging system for for extremely urgent communication with individual students

Students should ONLY USE the MyCourses email tool to communicate with me. Do not send course related email messages to my <u>goddard.ethan@spcollege.edu</u> email address as those message may be delayed by the SPC email filtering system.

Response Time

Response time for messages sent Monday to Friday is usually 24-48 hours.

Response time for messages sent on Saturday or Sunday is usually 48-72 hours.

Assignments will be graded by 7 days after the due date.

Communication Schedule

Course Announcements are issued frequently, usually every three to four days and more frequently near the beginning and end of the term. Students should log in to the course frequently and pay attention to the home page where course announcements are posted.

Students' and Instructor's Expectations

It is important that all of your attention be focused on the content to be learned so when you are in class you shouldn't be using your computer, cell phone, and tablet for casual use, only academic purposes. Any use of these devices (including texting) for nonacademic purposes draws your attention away from the course work and is therefore subject to disciplinary action. Whether you are taking a course online, blended, or in the classroom, you may be required to have discussions of class assignments and share papers and other class materials with instructors and classmates online. The learning management system, MyCourses, will be used for this purpose and you should complete the Introduction to MyCourses so that you are comfortable with the system and can complete your assignments. Whether you are in an online class or a physical classroom, certain behaviors are expected when you communicate with your peers and your instructors. You need to contribute to a positive learning/teaching environment, respecting the rights of others and their opportunity to learn. No one has the right to interfere with the teaching/learning process. Below are the traits of a successful student. These guidelines pertain whether your course is online or in the classroom. When communicating, you should always:

- Treat everyone with respect in every communication
- Use your professor's proper title: Dr. or Prof., or if you are in doubt use Mr. or Ms.
- Use clear and concise language
- Remember that college level communication should use correct grammar, whether written or spoken. Avoid slang.
- Use correct spelling and avoid texting abbreviations
- Avoid using the caps lock feature as it can be interpreted as yelling online
- Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and, even when spoken, your message might be misunderstood
- Be cautious with personal information (both yours and others')

Online Student Participation and Conduct Guidelines

The practices of courtesy and respect that apply in the on-campus classroom also apply online. Any discriminatory, derogatory, or inappropriate comments are unacceptable and subject to the same disciplinary action applied in courses offered on campus.

When you send an email to your instructor, department chair, dean, or classmates, you should:

- Use a subject line that describes what you are writing about
- Avoid attachments unless you are sure your recipients can open them
- Be clear, concise, and courteous
- Sign your message with your name
- Use your SPC email account to ensure delivery. Sometime emails from non-SPC accounts are stopped by the spam filter and the recipient may not receive it.

Your faculty member will include in the syllabus expectations for response times on email.

Recordings in the classroom:

Students may record lecturers in class for personal use (such as studying or documenting complaints to the institution) without explicit permission. However, students may not record non-lecture portions of class (such as skills labs, student group work, individual student instruction, Q/A sessions, recording studio critiques, group/individual production and computer lab time, practicums/internships, or clinical/simulation rotations) or other students without explicit permission, and may not disrupt class in making such recordings (such as trying to use a device with a calculator or calculator app in a class that does not allow calculators, or blocking the view or aisles for others in the class). Having an approved ADA accommodation is considered explicit permission to record from the college.

Students making such recordings may not share recordings without explicit permission and are personally liable for unauthorized dissemination. If in doubt, please discuss with your professor before class.

When posting to a discussion board, you should:

- Write posts that are on-topic and within the scope of the course material
- Take your posts seriously; review and edit your posts before sending
- Be as brief as possible while still making a thorough comment
- Always give proper credit when referencing or quoting another source
- Read all messages in a thread before replying
- Avoid repeating someone else's post without adding something of your own to it
- Avoid short, generic replies such as, "I agree." You should include why you agree or add to the previous point
- Always be respectful of others' opinions, even when they differ from your own
- Express any differing opinions in a respectful, non-critical way
- Not make personal or insulting remarks
- Be open-minded

The instructor has the **authority** to ask a disruptive student to leave a classroom or lab. The instructor may also delete posts or materials from an online or blended class and/or take disciplinary action if disruptive behavior continues. This ensures that all students in the class have an opportunity to learn.

Academic Honesty Policies - Honor Code

We expect you to be **honest** in all of your academic work. By enrolling at the College, you agree to obey all of the standards of **academic honesty** and **integrity** and you should understand that failing to observe the rules may result in academic and disciplinary action, up to and including expulsion from the College. As members of the College community, you also have an ethical obligation to report violations of the SPC academic honesty policies you may witness. The academic honesty policy and procedures are available online:

- Academic Honesty Policies, Honor Code
- Academic Integrity Policies and Procedures

These documents include details on what is meant by:

- Cheating
- Bribery
- Misrepresentation
- Conspiracy
- Fabrication
- Collusion
- Duplicate submissions
- Academic misconduct
- Improper calculator, computer or online use

Some of your courses may include online material that is protected by copyright. This means that the work is available for you to use in your studies but you can't copy and share the materials (copyright.gov). Please see SPC's copyright information. It's your responsibility to be academically honest in all of your work.

How to Be a Successful Student

Attending class is vital to your success, particularly the first few days of class as you are introduced to the requirements and topics you will be covering. Therefore the college limits when you can add classes. Please check our registration page regarding when classes can be added.

You may drop a course through the <u>Drop with Refund</u> date listed on your Fee Schedule and be eligible for a refund, although withdrawing may affect your financial aid. If you are thinking of withdrawing, please speak with your instructor, an <u>Academic Advisor</u> or a <u>financial aid counselor</u>.

Showing up is the first step in ensuring your academic success. Active participation is the next step - whether you are in a classroom or taking classes online. Each of your faculty will give details in the syllabus about their attendance policies. If you are going to miss a session, or be offline for any reason, please let your instructor know in advance. If you

don't attend during the first two weeks of a term you will automatically be withdrawn from the class and this can cause serious problems if you receive financial aid. In fact, if you withdraw prior to completing 60% of a class and receive any form of federal financial aid (grants or loans) you will be required to repay a portion.

Policy: Attendance/Participation/Withdrawal

Withdrawing from a course with a "W" or "WF" may impact students' academic standing and financial aid eligibility including placing the student in early repayment. It is the student's responsibility to understand the consequences of withdrawing.

Attendance

College policy requires students to attend class prior to the published drop deadline for the session in which the class is scheduled. The instructor is required to report non-attendance and the student will be dropped with a "W" grade penalty by the second week of classes.

It is the student's responsibility to know the attendance policy of the class in which they are enrolled.

- Depending on the modality of the course, attendance may be online, LIVE Online, blended, or on-campus.
- For LIVE Online classes, attendance will be taken online during the normal class meeting time/days.
- Students who are feeling ill for any reason should communicate in a timely manner
 with their instructor regarding attending online instead of on-campus, and/or the
 responsibility of excused absences. Students are also responsible to discuss
 completing any missed work with the instructor.

Participation

College policy require the instructor to report any student who is not actively participating at the 60% point of a class. The instructor will report the student by the end of the week immediately following the 60% point of the class and the student will be withdrawn from

the course and assigned a "W" grade. It is the student's responsibility to understand the instructor's requirements for 'active participation.'

Student Withdrawals

Students will be able to withdraw themselves at any time during the term. However, requests submitted after the last date to withdraw with a "W" (see academic calendar) will result in a "WF". Students and instructors will automatically receive an email notification through their SPC email address whenever a withdrawal occurs. Students should consult with an academic advisor or financial assistance counselor prior to withdrawing from a class.

Students who wish to withdraw completely from SPC are not able to totally withdraw from all classes through MySPC. A student must contact an Academic Advisor to totally withdraw.

Student Survey of Instruction

The Student Survey of Instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

Turnitin

The instructor of this course may require use of Turnitin.com as a tool to promote learning. The tool flags similarity and mechanical issues in written work that merit review. Use of the service enables students and faculty to identify areas that can be strengthened through improved paraphrasing, integration of sources, or proper citation. Submitted papers remain as source documents in the Turnitin database solely for the purpose of detecting originality. Students retain full copyright to their works. Review the Turnitin Usage Agreement for full details. Students who do not wish to submit work through Turnitin must notify their instructor via course email within the first seven days of the course. In lieu of Turnitin use, faculty may require a student to submit copies of sources, preliminary drafts, a research journal, or an annotated bibliography.

View the <u>Reviewing a TurnItIn/Originality Report</u> tutorial.

Safety and Security

We want to make sure that you are comfortable on campus and feel secure in your learning environment. The SPC campuses are very safe but you should be aware of your surroundings, just as you are anytime you are in a public space. In each classroom there is an Emergency Response Guide to help you during an emergency. It is also a good idea to be familiar with evacuation routes in buildings that you use frequently. **If you have an emergency, dial 911 immediately**. For information on campus safety and security policies, please call 727-791-2560. More information is also available on the Campus Safety website.

The college website (spcollege.edu) is the best source of information in the event of an emergency. It's possible for something like a hurricane to disrupt classes on campus; if this happens there are plans on how to help you continue your education. You should be comfortable using MyCourses as the learning management system will be key in communicating with faculty about course materials and assignments. Make sure you complete the Introduction to MyCourses so that you are familiar with sending and receiving emails, participating in discussion posts, navigating through course materials, and submitting assignments. It is important to be able to use MyCourses for learning activities if your campus is closed.

Federal and state law requires a person designated as a "sexual predator or offender" to register with the Florida Department of Law Enforcement (FDLE). The FDLE is then required to notify the college if the person attends, or is employed, by a college or university. You can find out more information by calling the FDLE hotline (1-888-FL-PREDATOR) or by visiting offender.fdle.state.fl.us/offender. A list of sexual offenders or predators registered for classes at SPC is also available.

Titans Care (Student Assistance Program)

As an SPC student it's vital that you know Titans Care. You can access resources through SPC's Student Assistance Program (SAP), a collaborative resource for students with mental health or general life issues. SAP provides help and education in suicide prevention, mental health, substance abuse awareness and more. It is SPC's belief that supporting mental wellness is everyone's charge and that one loss as a result of substance abuse, mental illness, or suicide is one too many. If you or a loved one are considering suicide, please call the National Suicide Prevention Lifeline at 1-800-273-8255.

Student Concerns

St. Petersburg College wants to make sure that you are able to receive prompt and fair resolutions to any concerns that you might have. If you feel that you have had a bad experience with a college employee, or you have a concern about college facilities, please bring it to our attention. Begin by speaking directly to the person responsible for the department; direct conflict resolution is an important skill to develop and usually brings about the best results. If you aren't satisfied with the outcome, or are not comfortable approaching the person directly, you may submit the information using an online form: web.spcollege.edu/survey/13002

If you're not able to submit the form online yourself, feel free to ask a college employee to submit the form on your behalf.

SPC Vaccination Policy

SPC is concerned about the health and well-being of all students. We encourage all students to remain current on vaccinations as suggested by appropriate health authorities. SPC does not require vaccinations for general admissions to our degree or certificate programs, with some exceptions for specific programs.

Instructional Continuity During Emergencies

The St. Petersburg College website at <u>www.spcollege.edu</u> is the official source of college information regarding the status of the institution. Other important information will be communicated via SPC Alert, local media outlets, and the college toll-free phone number 866-822-3978. All decisions concerning the discontinuation of college functions,

cancellation of classes, or cessation of operations rest with the President or his/her designee. The College realizes that it is possible for a significant natural disaster to compromise SPC campus facilities sufficiently to disrupt the delivery of classes on campus/campuses for an extended period and is planning ways our operations can continue following such an emergency.

So, if a hurricane or other natural disaster causes significant damage to St. Petersburg College facilities, please visit the college website for an announcement of the College's plan to resume operations.

Further, in the event of such a disaster, the Instructor will continue using the Learning Management System (LMS) of MyCourses for continuation of all required learning and instructional activities in this course, including the issuing of graded online assignments and expectation of student completion of those graded assignments.

Therefore, to keep up with all activities in this course during and after a natural disaster, please plan to continue this course by maintaining online access to MyCourses (possibly through duration of the course's regularly scheduled end date). We will finish this course in MyCourses, as directed by your Instructor online, and your Instructor will use all graded assignments to assess and issue your final letter grade for this course, as normally planned, despite occurrence of the natural disaster.

For all current updates on pandemic conditions or other events, please visit SPC Updates at https://www.spcollege.edu/spc-updates