

# Course Syllabus

This syllabus introduces you to the goals of the course and how we will be working together this term. Please read it carefully and contact us if you need further clarification.

## Course Information

- **Course Number:** GS 108
- **Course Title:** General Science: Oceanography
- **CRN:** 42571
- **Office Hours:** Drop in office hours, either click on Zoom Office Room or visit Campus Office Room. Hours: Mondays 2:00-2:50 pm, Tuesdays 9:00-9:50 am, Wednesday 3:00-3:50 (in our campus lab room SCOM 308 after lab), Fridays 10:30-11:20. If these times don't work for you contact me by email so that we can find a time that will work for you.
- **Term:** Fall 2022
- **Class Location:** Lecture, Quiz, Discussion online, Lab on campus - SE SCOM 308 Wednesdays 12:25-5:00pm. Please contact us if you have questions!
- **Prerequisite:** (WR 115 and RD 115) or IRW 115 and (MTH 58 or MTH 65) or equivalent placement

## Instructor Information

This hybrid class is taught collaboratively by two instructors: Gretchen Gebhardt & Eriks Puris. Gretchen will focus on the on-line lecture part of the class and Eriks will focus on the on-campus lab part of the class. Please contact either or both instructors with your questions, concerns and ideas.

- **Instructor:** Gretchen Gebhardt
- **Email:** [gretchen.gebhardt@pcc.edu](mailto:gretchen.gebhardt@pcc.edu) (use MyPCC email system or from the Classlist in D2L)
- **Phone:** 971-722-4174 (PCC SY Office Line)
- **Office Location:** Sylvania ST 312 (Note: Limited campus access - I will not be on campus this term)
- **Office Hours:** Thursdays Noon-1 pm or by appointment using [zoom](#). Please email me at least 2 days in advance to set up a meeting! I am available M-F most days/times
- **School Address:** PCC Sylvania, 12000 SW 49th Avenue, ST 312, Portland, OR 97219

- **Instructor:** Eriks Puris
- **Email:** [eriks.puris@pcc.edu](mailto:eriks.puris@pcc.edu) (use MyPCC email system or from the Classlist in D2L)
- **Phone:** 971-722-7627 (PCC SE Office Line)
- **Campus Office Room:** Southeast SCOM 214 (I will be on campus Mondays, Tuesdays, Wednesdays, and Fridays this term)
- **Zoom Office Room:** <https://portlandcc.zoom.us/j/9961490598>
- **Office Hours:** Drop in office hours, either click on Zoom Office Room or visit Campus Office Room. Hours: Mondays 2:00-2:50 pm, Tuesdays 9:00-9:50 am, Wednesday 3:00-3:50 (in our campus lab room SCOM 308 after lab), Fridays 10:30-11:20. If these times don't work for you contact me by email so that we can find a time that will work for you.
- **School Address:** PCC Southeast, 2305 SE 42nd Avenue, SCOM 214, Portland, OR 97216

- **Administrative Assistant:** Janet Di Grazia, 971-722-5500, [jdgrazi@pcc.edu](mailto:jdgrazi@pcc.edu)

## Best Way to Contact Us

The best way to communicate with us is to use the D2L Brightspace e-mail system which can be accessed from the Classlist. You can also use this system to send emails to your classmates! You can also email us directly at: [gretchen.gebhardt@pcc.edu](mailto:gretchen.gebhardt@pcc.edu) or [eriks.puris@pcc.edu](mailto:eriks.puris@pcc.edu). **Please do not send us email from non-PCC email accounts!** Email from non-PCC accounts sometimes does not make it to us because it gets caught by PCC's spam prevention systems.

If your question or comment would be of interest to other students, please post it to The Question Room area. This way other participants can help answer questions, and all participants will benefit from the answers. Please refer to the information on "netiquette" in the introductory module for guidelines governing the content of written communications. Your first communication assignment is to introduce yourself in the discussion topic for Week 1 (see content page for tasks laid out by week).

## Response from Instructors

We will be checking email and D2L Brightspace daily on weekdays. Email sent on weekdays will be answered within 24-48 hours. Email sent over the weekend will be answered the following Monday. If you contact us by email but don't provide a clear subject, you should expect a delay or no response.

## Special Notes Regarding our Return to Campus

We are returning to campus for the first time for many of us! Please [check out the college's Coronavirus FAQ page](#) and consider the following:

- Although being fully vaccinated and wearing masks on campus are not required, they are encouraged! Please be respectful of one another's choices on masking and vaccination - decisions are made based on one's personal life and family circumstances.
- Please reach out if you are feeling sick and need to stay home - we can work together to determine the best way to make up for any missed work.
- Communication is crucial so keep an eye on your D2L announcements, messages and PCC email account very carefully.

## Basic Needs Statement

PCC wants you to be successful and have resources that may help. If you face challenges affording food or housing, or if you need access to technology, this will naturally affect your classwork. Check out these resources:

Student COVID-19 Resources (<https://www.pcc.edu/coronavirus/information-for-students/resources/>)

Emergency Funds ([www.pcc.edu/enroll/paying-for-college/emergency-funds.html](https://www.pcc.edu/enroll/paying-for-college/emergency-funds.html))

You can also contact a campus Student Conduct and Retention Coordinator at [conductandcare@pcc.edu](mailto:conductandcare@pcc.edu).

## Course Overview

### Course Description in the PCC Catalog

Includes the chemical, biological, physical and geological nature of the oceans. Prerequisites: (WR 115 and RD 115) or IRW 115 and (MTH 58 or MTH 65) or equivalent placement. Audit available.

### Learning Outcomes

1. Upon completion of the course students should be able to:
  1. Explain the development and functioning of beaches, shorelines, and estuaries using an understanding of waves, tides, and coastal processes.
  2. Explain the geographic and seasonal distribution of biological productivity in the world ocean using an understanding of ocean structure and processes.
  3. Evaluate an ocean-related problem or issue impacting our community or the environment using scientific reasoning based on field and/or laboratory and/or remote measurements and observations.
  4. Assess the contributions of oceanography to our evolving understanding of global change and sustainability while placing the development of oceanography in its historical and cultural context.

For more information, please go to the [Course Content and Outcome Guide](#) for this course at: <https://www.pcc.edu/catalog/?fa=course&subject=GS&course=108>

### Textbook(s)

#### OER Textbooks

[Introduction to Ocean Sciences 4th edition by Douglas A. Segar](#)

[Introduction to Oceanography by Paul Webb](#)

#### Prefer a paper textbook?

*Essentials of Oceanography* by Trujillo & Thurman 12<sup>th</sup> edition. (10<sup>th</sup> & 11<sup>th</sup> editions are fine – you are responsible for checking that chapters match)

## Course Format

**Our Face to face meeting will take place each Wednesday noon-3pm on the Southeast campus, in SCOM 308.**

### Hybrid Classes and Blended Learning

This is a hybrid course, which means that the course blends elements of online learning with traditional face-to-face classroom learning. Approximately 50% of the class will take place face-to-face, and approximately 50% will be done online through D2L Brightspace. Online course work may include:

- Videos - both video lectures and other forms of audio-video text
- Podcasts and other audio
- Online Discussions
- Quizzes
- Home work Assignments
- Review/Practice exercises and other exercises

**Note: For a detailed list by week of what is due when along with chapters for each week, check out the Course Calendar**

In this hybrid format, face-to-face class meetings are used primarily to complete weekly labs, but may also be used to review the more difficult concepts and other activities which your instructor believes it is most helpful to engage in person. Expectations for student participation both in-class and outside-class are as follows:

- In-class
  - Weekly 3-hour face-to-face in-class meeting on campus where you will complete the required lab. Be prepared! Watch the lectures, read the text or other materials, read and print the lab document and discussion.
  - Students are required to complete the assigned readings and watch the associated lecture videos prior to coming to the in-class session. Each week there will be an assigned online discussion and an assigned home work assignment. In addition there will be weekly quizzes. The final exam will be completed online.
- Total (both in-class and outside class) time required each week is approximately 12 hours.

### Comparison of Student Workload: Hybrid versus Typical Face-to-Face Classes

Class Activity	Hybrid	Typical Face-to-Face
Class meetings per week	1 meeting	2 meetings
Classroom hours per week	3 hours	6 hours
Approximate required online activities per week	3 hours	0-3 hours (depending on instructor preference)
<b>* Recommended study time outside class per week, not counting online classwork **</b>	Approximately 8 hours **	Approximately 7-8 hours
<b>Total time per week</b>	Approximately 12 hours	Approximately 12 hours

\* This "Recommended Study Time" is in addition to the class meetings and required online activities. It may include reading text and articles, preparing for exams and quizzes, participating online class discussion, preparing and completing assignments.

\*\* Actual study time per week will likely vary from student to student.

In this hybrid format, it's useful to think of your instructor as a facilitator. Because part of our course is online, you are expected to be consistent and disciplined in your effort to engage the course material. The responsibility for "getting" the material in this course is yours, though I have done and will continue to do my best to create online learning activities that will help you learn. The key point is that a hybrid course like this one requires maturity and responsibility on your part.

### Modular Design

This course uses a modular design -- meaning, you should finish the assignments from Module 1 before you move on to Module 2.

Each week, students should complete all assignments listed in that week's lesson module. These modules will appear directly on the homepage during the week they are due, and they will also be available by clicking "Content" on the course navigation bar.

Due dates for each week's assignments will be listed within the module itself, as well as in the "Course Schedule" (see tool bar above). Assignments within the modules may direct students to use many of the tools contained in Brightspace, including the Assignment, Discussions, and Quizzes tools. These tools will be accessible within the weekly content modules, as well as from the course navigation bar.

### Participation Expectations and Weekly Timeline

Prior to Each in-class meeting, you are expected to:

- View all lecture videos and read appropriate materials (textbook chapters or online readings)
- Complete the weekly home work questions
- Complete all portions of the weekly discussion activity
- Read and print the lab we will complete on campus.

After each in-class meeting, you are expected to:

- Complete the online quiz

**Note: For a detailed list by week of what is due when along with chapters for each week, check out the "Course Schedule" (see tool bar above)**

### Software/ Hardware / Equipment / Technical skill expectations

- Microsoft Office or equivalent (Google Docs, iWork, etc.). You must be able to save files as doc, docx, rtf, or pdf format.
- Calculator (provided in lab on campus)
- Firefox, Chrome, Safari browser
- You must be able to work with documents and upload to Assignments in D2L. [Directions to use Google Drive in Brightspace](#).
- The technical requirements for most online classes include access to a computer with a modern operating system and a supported web browser
- [Google Earth Pro](#) (free!) Also available on all campus computers. The desktop version is the best as you have more tools available to use. The Chrome version is limited!

### Overall Grade Breakdown

All hand graded work (discussions, home works, labs, presentation, final essay) will be entered and feedback given in 1-2 weeks or less (unless there are extenuating circumstances). Online quizzes and final tests are auto graded once the assignment due date and time is reached, grades are released.

Assignment	Qty	Points each	Total points
Weekly Discussions (lowest dropped)	10	10	90
Labs (lowest dropped)	9	20	160
Weekly Homework Quiz (lowest dropped)	9	5	40
Intro & Weekly quizzes (lowest dropped)	10	10	90
Course Project	1	60	60
PCC Signature Assessment Assignment	1	10	10
Final exam	1	50	50
Total for Course			500

For more detailed information, see the [PCC Academic Standards & Practices Grading Guidelines section](#)

A = 90 – 100% of Total Points (minimum of 450 points)

B = 89 – 80% of Total Points (minimum of 400 points)

C = 79 – 70% of Total Points (minimum of 350 points)

D = 69 – 60% of Total Points (minimum of 300 points)

F = < 60 % of Total Points

### Graded Assignments

Please see the next file in this Course Information module for a detailed breakdown of the Grading System in this particular class. For general information about grading policies at PCC, please refer to the [PCC Grading Guidelines](#).

### Labs

Remember, **labs will take place on campus this term and are a required part of this class!** We will start with some discussions and Q&A, walkthrough the lab and then the rest of lab time, you will work in small groups on the lab. Also, this is your chance to talk with your instructor face-to-face, ask questions and get feedback about any aspect of the class. Please be sure to read all appropriate materials for the lab prior to lab. Some students even start sections of the lab prior to class, and bring question to the required on campus lab.

Due to time constraints, working on and turning labs in late is discouraged – not only do we not accept late work (typically), but also it could put you behind in future weeks. For these reasons, the lowest grade will be dropped. Please note if you have extenuating circumstances, exceptions can be made prior to due dates! Some of the labs will require the use of computers however some labs involve aqueous solutions, be careful!

Labs are graded based on the answers you submit. You will be given credit for attempting experiments even if the results are not ideal (please talk with your instructor). When answering questions in your labs, please be sure to answer the questions completely (all portions of question), with complete sentences – especially when asked to describe, explain or compare. One word answers can be given when asked to list, circle answer or yes/no questions are posed.

- The beginning of lab is reserved for mandatory in class check in and discussion time, **it is important that you show up to lab on time**. There may also be the occasional pop quizzes at the beginning of lab! (These points will be associated with the lab grade).
- **When are labs due?** Labs can be submitted at the end of each lab section, but are ultimately due Sundays so please be prepared. See the Course Schedule for due dates & times.

### Discussions

Each discussion activity post is worth 10 points. You are awarded 6 points if you post your initial response on-line (which must be posted by Tuesdays 11:59pm of each week), and 4 points for commenting on two of your peer's postings (which should be posted by Sundays 11:59pm of each week). If you do not post your initial response by Wednesday night, zero credit will be given. The initial response should answer the questions posed (in complete sentences), don't worry about getting the "right" answer – many of these are new discoveries and theories. If your comments are not attempted or unclear, points will be deducted. The point of these discussions is to take the information you have learned in each week and apply it to the presented discussion topic. Your questions on your peers should be meaningful, more than just "good point" or "nice post" these are meant to be discussions, so start the ball rolling! See the Course calendar for due dates & times. Note: If the instructor(s) notices that postings are insufficient and no effort is being made to answer the discussion question or to discuss the topic online, a zero will result. We will discuss these posting in the first few minutes of our face-to-face lab and I will also post a recap of the discussion answers once the discussions are graded.

### Homework/Reading Quizzes

The weekly homework/reading quizzes are based off the reading materials and optional homework assignments that can be found one each weekly module. These are meant to focus your attention on important terms and processes that will be help your understanding of the material, lead to more productive discussions in class as well as provide a foundation of knowledge to help complete labs. These are mostly auto-graded, however an occasional short answer question will require manual grading by your instructor. See the Course Schedule for due dates & times.

### Quizzes

Quizzes and the final exam will be given on-line. The weekly quizzes are multiple choice, true/false, multiple select, matching and some fill in the blank. These will be timed according to how many questions (ex: <5 questions, 10 minutes to answer the questions).

### Final Exam

The Final Exam is cumulative and both multiple choice and short answer essay (timed as previous quizzes). Details regarding what is required will be posted in the week 12 material of the course D2L site. See the "Course Schedule" (see tool bar above) for due dates & times.

### Project

For this project, you will be evaluating the preparedness of an area in D2L to a specific geologic hazard. The grading rubric (content requirements and points for each required element of the presentation) will be provided on the Project Information & Description Page in D2L. There are numerous homework assignments that are related to the course project – please see the Project description file for details and the course schedule for due dates.

### Extra Credit

There will be limited extra credit opportunities for this class. You may select **only one** of the extra credit opportunities to earn up to 20 points extra credit. These are listed in the course D2L site. Your late Extra Credit Assignment will **NOT** be accepted. Please see course schedule for due dates.

### Late Work & Make-up Policy

No late work is accepted and no make-ups are allowed. (Please contact me prior to the due date if you need an extra day or so) When we were on campus, lab room scheduling is extremely tight making it difficult to schedule lab make ups. If you know you will be absent, please contact your instructors ahead of time – there may be options depending on the week as well as how early we know about your absence.

### Other Course Information

#### Turning in Assignments Online:

**All work must be submitted through D2L Brightspace or in lab as paper copies unless otherwise stated.** Submit the assignment via the appropriate assignment dropbox in D2L in .pdf format **ONLY** using the following format: Last Name\_First Name\_Assignment Info.pdf. (e.g., Gebhardt\_Gretchen\_Lab\_6.pdf). If your submission is not in this format, zero points will be awarded & it will not be accepted. If you are scanning your files, please make sure the file is right side up!

#### Working as a group vs. Copying & Cheating?

Please be sure all group members are contributing to the completion of each lab question. No, it is not acceptable to complete different portions of the lab and then copy each other's answers. That is considered cheating. Please be sure you are completing answers in your own words. If your instructor(s) discovers you are cheating, all those involved will get a zero on the assignment. If caught a second time, you may be at risk of receiving an F in the class. Please see the [Student Code of Conduct and Academic Integrity Policy](#). If you are unsure of what should be cited and to do it, check out the [PCC Library's Citing webpage](#) for help!

**Photos and videos are the property of the instructors unless otherwise indicated. Sharing documents or quiz questions to online "study" websites (blank, completed or graded) is inappropriate as you did not create the materials, your instructor did. Sharing things you made, like study notes are fine since you are the author of the materials.**

#### What if I miss lab, other assignment, quiz, or exam?

A missed lab, assignment, quiz or exam cannot be made up. Furthermore, these assignments cannot be submitted late. Please refer to the Course Schedule herein, and the Course Calendar in D2L for all deadlines. If an extenuating circumstance arises, please contact your instructor in D2L at your earliest convenience. These due dates are available to you now, please plan accordingly. You will have two weeks of the term available on the D2L site, take advantage of the advanced availability. **Your lowest lab, quiz and discussion activity will be dropped.**

#### Online Communication Guidelines:

Much of the communication that will take place in your course will be via email and the discussion forums. If you have questions or concerns that you wish to talk to us about, contact us through the course email. Customarily you will receive a response to your course within 24-48 hours. We don't return emails on Sundays. Please contact us via email first to make arrangements to meet face to face.

Because so much of our communication takes place over the Internet, here are some guidelines to keep in mind as you write to me or to each other. Take some time to compose what you want to say. Though this may sound obsessive and burdensome, well-constructed, well thought out, and grammatically sound sentences really do help when trying to get a point across. Also when writing, seek a balance between highly written sentence fragments that leave your reader wondering what you are trying to say, and long-winded prose that confuses both you and your reader.

Respect your reader. Because writing lacks the visual clues that come with talking to someone face to face, it is easy for your words to be misinterpreted. What may come off as a joke in a one-on-one conversation can look very different in print. And most of all avoid the now famous Internet tradition of "flaming" someone. Nothing stops under a discussion faster than somebody please contact the other ideas with livid insults. Note - We reserve the right to censor inflammatory and insulting discussion entries.

**Do not copy postings written by classmates. They and/or your instructors will notice, and the penalty for doing so is severe. Please see Code of Student Conduct and Academic Integrity Policy below.**

#### Classroom Etiquette and Behavioral Expectations

This is a college course, and expectations of etiquette and behavior include (but not limited to) the following:

- Everyone's behavior should benefit the learning environment and not degrade the environment. Students who enroll in a course at the college enter into a contractual relationship with the college; you can see these in the [College's Code of Student Conduct and the Student Rights and Responsibility Handbook](#).
- Treat all others with respect at all times
- Arrive on time for lecture and stay until class is over
- Be prepared to participate in the learning environment (discussions, lab assignments, etc.)
- While your instructor is making announcements, lecturing, etc., your attention is not elsewhere (private side conversations, printing documents, listening to music, texting, emailing, etc.). All electronic devices should be off while in class, computers can be the exception for labs and typing lecture notes – if they become a distraction, use will not be allowed. (please contact your instructor if you have extenuating circumstances)
- Food and drink are not allowed in the lab or computer lab rooms, and food is not allowed in lecture. You can bring sealed beverages to the labs and lecture, but consumption in the labs must be outdoors.
- If your instructor must instruct class a sub will be provided, if a sub is not available, a note will be placed on the door and I will contact you via course webpage.
- Please contact your instructor if you have any questions or concerns regarding this information.

#### Tutoring:

Tutoring may be available in AM107 this term, check out the [PCC Tutoring website](#) for subjects and locations. Also, feel free to see your instructor with any questions you may have during lab, office hours, or by appointment on-line.

#### Tips to Succeed in This Class (In No Particular Order):

- Note the deadlines for all assignments and times when D2L is unavailable due to maintenance - plan your schedule accordingly.
- Use the D2L Calendar, Checklist and Conclusions to help you determine assignment due dates and to help you plan your time.
- Attend lab regularly.
- Participate in class and lab discussions and activities.
- Review objectives and be able to answer them if they were a question.
- Complete readings before class and lab.
- Complete required home work questions.
- Plan on spending *at least* 12 hours per week reading and studying outside of class (Note: this time may vary depending on your comfort level with the material as well as your personal study techniques).
- Review the expectations document posted in Content, Course Information; and on the Course Home Page.
- Ask questions.
- Helpful YouTube pages:
  - [Gretchen's CGICC GS 106 Video page](#)
  - [GeoScience Videos YouTube Channel](#) (Optional)
  - [Earth Rocks! YouTube Channel](#) (Optional)
  - [Huge Floods YouTube Channel](#) (Optional)

### PCC Policies and Deadlines

It is the student's responsibility to add, drop, or withdraw from a class. Please review [PCC Registration Policy](#) for more information.

For more PCC Policies, check out the Syllabus Addendum 2018-19.pdf

#### Add and Drop Deadlines

- Students need to register online via MyPCC. Please review [Online Registration Instructions](#) to find out how.
- For 8-12 week classes, students need to drop by the end of the first week of classes. Students can view course specific deadlines from the MyPCC Home tab, 'View My Drop & Withdraw Dates' link.
- For late add, students must add within two business days of the course drop deadline.

#### Payment Deadlines

Payment is due two Mondays before the first day of term. Students who register after the payment deadline must make the same day payment arrangements. You can see your payment or access your bill online in the MyPCC Paying for College tab. Please review [PCC Payment Policy](#) for more information.

#### Academic Integrity (rules about cheating, plagiarism, or sharing work)

Students are required to complete this course in accordance with the Student Rights and Responsibilities Handbook. Plagiarism includes any attempt to defraud, deceive, or mislead the instructor in arriving at an honest grade assessment, and may include copying answers from other students or using unauthorized notes during tests. Cheating is a particular form of cheating that involves presenting as one's own the ideas or work of another, and may include using other people's ideas without proper attribution and submitting another person's work as one's own. Dishonest activities such as cheating on exams and submitting or copying work done by others will result in disciplinary actions including but not limited to receiving a failing grade. For further information, review the institution's [Academic Integrity Policy](#).

**Photos and videos are the property of the instructors unless otherwise indicated. Sharing documents or quiz questions to online "study" websites (blank, completed or graded) is inappropriate as you did not create the materials, your instructor did. Sharing things you made, like study notes are fine since you are the author of the materials.**

#### Student Rights and Responsibilities Handbook:

Students are required to comply with the policies contained in the [Student Rights and Responsibilities Handbook](#). The Handbook includes the Code of Student Conduct and the Academic Integrity Policy.

#### Internet Etiquette (or Netiquette)

[Click here for more information about Netiquette.](#)

#### Special Accommodations

PCC is committed to supporting all students. If you plan to use academic accommodations for this course, please contact your instructor as soon as possible to discuss your needs. Accommodations are not retroactive; they begin when the instructor receives the "Approved Academic Accommodations" letter from you (submitted in person for courses on campus; via email for Distance Learning courses). To request academic accommodations for a disability, please contact a disability services counselor on any PCC campus. Office locations, phone numbers, and additional information may be located on the [Disability Services website](#).

#### Title IX/ Non-Discrimination

Portland Community College is committed to creating and fostering a learning and working environment based on open communication and mutual respect. If you believe you have encountered sexual harassment, sexual misconduct, sexual assault, or discrimination based on race, color, religion, age, national origin, age, national origin, sex, sexual orientation, gender identity, or disability please contact the Office of Equity and Inclusion at (971) 722-5840 or [equityinclusion@pcc.edu](mailto:equityinclusion@pcc.edu).

#### Sanctuary College

PCC is a sanctuary college. Find out more on our [resources for undocumented students page](#).

#### Flexibility

The instructor reserves the right to modify course content and/or substitute assignments and learning activities in response to institutional, weather or class situations.

#### Syllabus