

# Course Syllabus

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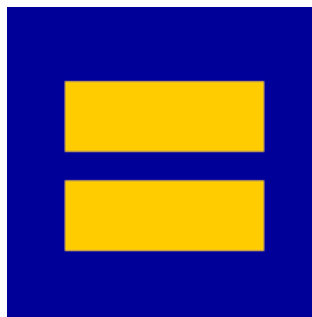
*This syllabus is a written contract between you and myself, as your instructor.*

*Please read it carefully and contact me if you want any clarification. If you decide to continue in this course, it means that you have thoroughly read the syllabus and accept all requirements as stated.*



## Welcome!

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You belong here at PCC! I value differences and appreciate working with students of all races, ethnicities, religions, ages, documentation statuses, veteran statuses, sexual orientations, gender identities and expressions, abilities, sizes, shapes, socio-economic backgrounds and educational backgrounds. Black lives and Black minds matter! I am striving to deepen my anti-racist teaching practices and I have a social justice theme in this class. I plan to learn as much from you as I hope you will learn from the experience of this class. PCC is a [sanctuary college](#). The equal sign is also a symbol of the [Human Rights Campaign for LBGTQ+ rights](#). The "In Our America" flag is used under a creative commons license from [In Our America Love Wins](#). *"The biggest thing I bring with me today is that who controls the numbers has a big say in what narrative is constructed with them. Knowledge--and being able to share that knowledge--is power, and I'm inspired by you to seek meaning in the numbers in ways I haven't before."* ~ Yoli Jones, former student

### Basic Needs

Get help with food, housing, healthcare, and more. See our [basic needs website](#) or let us help connect you to resources: [basicneeds@pcc.edu](mailto:basicneeds@pcc.edu), 971-722-6555.

## Course Information

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- **Course:** STAT 243Z
- **Course Title:** Elementary Statistics I
- **Modality:** Hybrid (Half online, half in person). The content and workload is the same as a 2-day/week class
- **CRN:** 44117
- **Credits:** 4 credits, including the lab component
- **Term:** Fall 2025
- **Meeting Day/Time:** Thursdays, 9 - 11:50 am
- **Location:** Southeast Campus (SE 82nd and Division), Student Commons 200 (SCOM 200)
- **Proctoring Requirements:** There are 2 proctored exams that will be taken during class time

## Instructor Information

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- **Instructor:** Cara Lee
  - You can call me Cara (Care-uh, rhymes with Sarah) or Ms. Lee, whichever you are more comfortable with. Cara is fine with me:)
  - Pronouns: she/they
- **Email:** [cara.lee@pcc.edu](mailto:cara.lee@pcc.edu). Email me here in D2L by going to the envelope icon up above, or in MyPCC. Due to laws that protect your educational privacy (FERPA) I must email your PCC account.
- **Phone:** 971-722-3773 (This also forwards to my cell phone when I'm working at home)

- **Text:** 971-350-8868 (Google Voice 9-5 on weekdays)
- **Office Location:** Southeast Campus SCOM 214, 2305 SE 82nd Ave. Portland, OR, 97216 (and my home office)
- **Student Help Hours:**
  - In person drop-in: After class, Noon-12:30 on Thursdays
  - In person drop-in: MW 11:30 am - 12:30 pm in SCOM 214. There are chromebooks you can use in my office.
  - Use this [calendar link](#) to schedule a meeting with me. The Zoom link will be shown and sent to you in a calendar invitation. It is always this [link](#). These are my general times, and they may shift slightly due to meetings, etc.
    - Mondays, 3:30-5 pm and Wednesdays, 4-5 pm
  - Or by phone or email me for another time virtually or in person on the SE Campus.
- **Tutoring Center Schedule and Link:** [Tutoring Center](#)
- Please don't hesitate to reach out for help! You can always contact me and our class mentor, and here is a link to [Student Life Resources](#).

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## Peer Mentor and Lab Assistant Information

- **Peer Mentor: Emily Walters**
  - Pronouns: she/her
- **Email:** [emily.walters1@pcc.edu](mailto:emily.walters1@pcc.edu)
- You can schedule time with Emily using this [calendar link](#), which is also on the course home page under her picture.
- Emily will be our student class mentor and lab assistant this term. She will be providing resources and reaching out to students to support community building, connection to PCC resources and academic success.

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## Communication Guidelines

### Let the phone and Zoom be your friend

Even if you feel stuck between classes, we can usually resolve it in a 5-15 minute phone call or virtual meeting. I know can be intimidating to meet with your instructor or mentor but it's worth it. Please reach out right away if you get stuck or lost so you can stay on track.

### Email

You can email from D2L Brightspace or MyPCC. You can also use the Classlist tab to send an e-mail to me and/or classmates.

If your question or comment would be of interest to other students, please post it to the discussions area or forum in MyOpenMath. This way other students can help answer questions, and all students will benefit from the answers. Please refer to the information on "netiquette" in the introductory module for guidelines governing the content of written communications.

### Response from Instructor

I will be checking email several times a day on weekdays. Email sent on weekdays will be answered within 24 hours, but usually much faster. Email sent over the weekend will be answered the following Monday (or next business day) at the latest.

Labs, quizzes and tests will be graded within a week of the deadline, but often faster.

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## Instructional Materials

### Required Resources

- **Course Packet:** You can buy all the pages needed from the SE bookstore or print them yourself. Some students write on the pdfs using a tablet. Writing in Word docs or on plain paper is also fine. PCC libraries have printing available with a \$10 allowance and you can check your local library for printing services. If you are printing all at once see the "Pages to buy or print" module in D2L. The individual files are also in each modules as you need them.
- **Textbook:** Diez, et al., 2022. *Advanced High School Statistics, Third Edition*. (If you already have the 2nd edition that's totally fine, the section numbers might be different.) It is [free online](#), with optional low-cost copies at the bookstore, ISBN: 9781943450152, or [Amazon](#). There is a link in our D2L navigation bar and in MyOpenMath. I suggest using the free online version for awhile to decide whether to buy the physical copy.
- **Supplement for Bootstrapping:** [Intro to Modern Stats Chapter 12](#) (This is a pdf file that will also be linked in Module 4).
- **Free Online Applets listed in each module:** These are demonstrated in the videos and in class and needed for your homework, quizzes and tests.
- **Amplify Classroom:** This is a free system (used to be called Desmos Classroom) where there will be an interactive lab with each module. Amplify labs are accessed using the class link on the D2L homepage. This digital platform may cause barriers for those using assistive, or accessibility-

related technologies. If you encounter barriers, please let your instructor know and contact the Access Tech Team at [access-tech-group@pcc.edu](mailto:access-tech-group@pcc.edu) or by calling 971-722-TECH (971-722-8324).

- **A handheld or online scientific calculator:** You may use a phone as a calculator while you practice, but not during a test. Our tests will be on the PCC computers so you can use either a handheld calculator, a spreadsheet or a free online calculator like [Desmos](#). If you have a graphing calculator you may use it but don't buy one.
- **Free Online Homework System:** [MyOpenMath](#) free online homework system. Click on *Register as a new student* and enter your information (Video instructions in the welcome announcement). You will need this information:
  - Course ID: **298223**
  - Enrollment Key: **statsisfun**

## Course Description

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Focuses on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Uses technology when appropriate. This course is part of Oregon Common Course Numbering. MTH 243, STAT 243, and STAT 243Z are equivalent.

[STAT 243 Course Content and Outcomes Guide.](#)

### Course Prerequisites

MTH 95 or MTH 98 or higher, and (WR 115 and RD 115) or IRW 115 or equivalent placement.

Since this is a half online class, the ability to use a computer, download files, navigate websites, check email, use a word processing program (such as Word), and to know when to ask for technical help are essential skills to have. When having technical issues, contact the [Student Help Desk](#) or your instructor ASAP.

### Learning Outcomes

Students will be able to:

1. Critically read, interpret, report, and communicate the results of a statistical study along with evaluating assumptions, potential for bias, scope, and limitations of statistical inference.
2. Produce and interpret summaries of numerical and categorical data as well as appropriate graphical and/or tabular representations.
3. Use the distribution of sample statistics to quantify uncertainty and apply the basic concepts of probability into statistical arguments.
4. Identify, conduct, and interpret appropriate parametric hypothesis tests.
5. Assess relationships in quantitative bivariate data.

For more information, please go to the [Course Content and Outcome Guide.](#)

Here's the link to the [Oregon State Common Course Numbering Guide](#)

### Time Management and Asking for Help

This is a 200-level course and there is a lot of material, so it is really important to manage your time well and not get behind. We have the same amount of material as a 2-day per week class or fully online class. There is an expectation that you will watch the specified videos and complete homework, labs and quizzes outside of class and get help when needed between classes. I am really excited to help you, when you need it! Please make the effort to reach out for help, even for little questions.

### What is a Flipped Class?

Our class has a **mostly flipped format**, which means you'll be watching most of the videos and taking notes at a good time for you before class, and then we will use that information to work on the lab activities during class time. We will do just a few notes pages together each week. This lets us spend more time together on the things in the pyramid that promote more learning and retention. Discussing, practicing and teaching others while we are together is a great way to retain the material!

If you miss a class, use the videos for all the notes pages and use them to complete the homework and lab by the due date.

*If you ever feel frustrated, isolated or lost in the class, please contact me right away. I've been there and I am here to help you. You can also use the forums and discussion boards for content questions so students can help each other.*



Source: National Training Laboratories, Bethel, Maine

### Class organization and Weekly Pattern

The course is organized in modules or weeks that go from Thursday to Thursday. Each week's content can be found in the **Content tab** on the course navigation bar.

Each module contains **lecture videos** that go with the notes pages. Check the lecture page each week for which videos to watch before class. I will save a few notes pages to do together during class and we'll spend the rest of the time on the lab. Bring your notes to class to use for the lab.

**For the first day of class**, print the notes pages, watch the intro videos and if you have time, the indicated Module 1 videos. Take notes and bring your notes to class. Taking notes on blank paper or electronically is also fine.

The due dates for each week's assignments follow the same pattern, though there may be some exceptions during the term for holidays.

## The standard weekly pattern

- **Before our Thursday class:** watch the specified videos in Content and take notes on the notes pages or plain paper.
- **Thursdays, 9-11:50 pm in class:** We will do some notes pages together in class and work on the lab activity. You may also have some homework time. Plan to stay until the end of each class.
- **Right after class (optional):** Stay for drop-in help time for questions or homework
- Schedule instructor or mentor time, and/or attend tutoring and study groups as needed, post questions in MyOpenMath forums and D2L discussions and/or email instructor and/or mentor.
- **The next Thursday by 11:59 pm:**
  - MyOpenMath online homework due, questions and discussion encouraged in MyOpenMath forums
  - Amplify Lab due, questions and discussion encouraged in D2L forums
  - Module Quiz due, using MyOpenMath with work typed in MyOpenMath or uploaded in D2L

## Technology and Resources

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### Technology Requirements

- **Amplify:** Free lab activities using the link on the home page or navigation bar (links)
- **Stapplet:** Free apps available at [Stapplet](#)
- **Rossman/Chance Applets:** Free apps available at [Rossman Chance Website](#)
- **StatKey Applets:** Free apps available at [StatKey](#).
- **Printer** to print lecture notes and worksheets. You can also write anything on blank paper.
- **Scanner or scanning app** to upload completed worksheets. [Adobe Scan](#) is a free app for scanning documents to a mobile device. Other options include: [ScanBot](#) or [GeniusScan](#).
- **Firefox, Chrome, or Safari** web browser.
- **Word Processing:** You can use Google Docs or Microsoft Word for this course. You can get [Microsoft Office 365 for free](#) directly Microsoft using your PCC email address.
- **Spreadsheets:** Google Sheets or Microsoft Excel (using free Office link above).
- **Calculator:** If you prefer a handheld calculator, a scientific calculator (ex. TI30X) is recommended for calculations. You will also have access to a [Desmos online calculator](#). A graphing calculator may be used but is not needed.
- The [technical requirements](#) for most online classes include access to a computer with a modern operating system and a [supported web browser](#).
- [Technology Requirements for Online Learning at PCC.](#)

### Student Help Desk Information

Phone: (971) 722-8222

Email: [shd@pcc.edu](mailto:shd@pcc.edu)

Website, hours and more information: [Student Help Desk](#)

### Accessibility Resources for Required Course Activities

- [Accessibility Features for Amplify Classroom Activities](#) - This digital platform may cause barriers for those using assistive, or accessibility-related technologies. If you encounter barriers, please let your instructor know and contact the Access Tech Team at [access-tech-group@pcc.edu](mailto:access-tech-group@pcc.edu) or by calling 971-722-TECH (971-722-8324).
- [Accessibility Features on Desmo Calculators](#)
- [Accessibility Guide for MyOpenMath](#)
- [StatKey Accessibility](#)
- [Accessibility Resources for Adobe Reader](#)
- [Accessibility Features for Google Products](#) (including YouTube)
- [Accessibility Features on Zoom](#)

- [Microsoft 365 Accessibility Tools](#)
- Excel or Google Sheets can be used for a few activities - please ask me for help

## Appropriate Use of Artificial Intelligence (AI)

There are ways you can use artificial intelligence to help your learning and also ways that violate the [Student Code of Conduct](#). All work and writing submitted on labs, homework, quizzes and tests must be your own. AI tools, such as ChatGPT, can be used for your learning to summarize topics, generate practice questions, etc. If you have a question about what is appropriate use of an AI tool, please ask me before using it.

## Learning Activities and Graded Elements

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The learning activities in this class have been designed with [Universal Design](#) in mind.

### Bonus: Success Assignment

This term we are very fortunate to have Emily as our peer mentor and lab assistant. You can earn 5 bonus points for meaningful engagement with her during the term. She will be announcing different opportunities and you can also reach out using her contact information above. Emily has experience navigating Stat 243 and campus resources, as well as training and experience in helping students.

### Student Info Assignment and Discussion Posts

There will be a student information assignment in the Course Info Module to help me get to know you. Share what you feel comfortable with and only I will see it. There are 2 required discussions which are private instructor check-ins. The D2L group feature will be used to put each student in their own group. This allows it to be a private discussion area between each student and me. Please answer the questions provided in the discussion assignment and let me know if you have any concerns. I look forward to reading your info assignment and learning how you are doing throughout the term.

### Lectures and Notes Pages, In Class and Videos

**Watch the specified videos before class** and we will work on some pages together in class. To maximize your retention, fill in your notes pages and do the activities with technology along with the videos. These will be your guide for doing the homework, labs and quizzes. Take notes in a way that is most useful for you. These are for your use and won't be turned in.

Each module has all the videos in case you miss class or want to watch something again. With videos you can pause, rewind, speed up or slow down the material.

### Labs in Amplify Classroom and Discussion Area

During class, you'll get more practice with the labs in Amplify Classroom. Access these using the link on the home page of our course (or links in the navigation bar). These lab problems are interactive with sliders, matching problems, graphing, etc. We will be using a lot of real data and helping each other during class. The Amplify labs are automatically graded and I will enter the score from the last slide into the D2L gradebook. Some slides allow you to share your answers with other students and see their answers to provide interaction. The way you explain something can help another student. There is also an optional D2L discussion area to post questions and discuss the topics between classes. Posting a screenshot of where you are stuck is very helpful.

### MyOpenMath Online Homework and Forums



For each module you will be logging into MyOpenMath to complete one or two sets of online exercises. MyOpenMath will automatically grade your work and you will have the opportunity to rework all questions until you get them right. You have unlimited tries on each problem. Get help as needed and keep working on these until you have 100% in each section.

Each question is worth one point in MyOpenMath and is recorded when you get the problem correct. You can get partial credit if the question has multiple parts. There is no penalty for repeated tries on each problem. Your score in MyOpenMath will be converted to a percentage and is worth 100 points of the course grade. It will be worth 10 points in Module 1 and I'll increase it by 10 points each week. There are also bonus review problems for each exam which count for extra credit.

**For help**, each problem has a link at the bottom that says **post this question to forum**. This will copy your problem into a message where you can type what you are stuck on or what you have tried. An image of what you tried or typing in your steps is really helpful. This is a great opportunity to get help and teach other students, which reinforces your learning for the highest level of retention. I will also answer questions there regularly.

### Module Quizzes in MyOpenMath

The last weekly element is a take-home quiz to show your understanding and get detailed feedback from me. You can choose when to start your quiz and you will have 1 hour to take it. This is a generous amount of time, you will most likely not need the whole time. Just in case, be sure to start more than 1 hour before the deadline because the quiz will close at the deadline regardless of the time it was started.

These are open note and resource quizzes, but no other people or AI tools are allowed. You're expected to use all the technology we use in the videos. Study beforehand and get all of your materials organized so you can find things easily. You will be getting partial to full credit for everything you do

right, so it is very important so show your steps and your thinking on the quizzes. Be sure to include units on all statistics. All writing must be in your own words. Links to the technology will be provided in the quizzes.

You will be able to add screenshots and type your steps or writing into the MyOpenMath system, or you can write your work on plain paper. If you write on paper, use a **free phone scanner app** like Adobe Scan to convert pictures of your work into a single PDF file. Here are some [resources and instructions](#). You will be directed in the quiz to upload your work using the Assignments Tab in D2L right after you finish your quiz.

You won't see any feedback during the quiz until I grade it. If you change your mind or realize you made a mistake after entering an answer, make a note in MyOpenMath or on your paper and I will grade that. After everyone's quiz is graded, you'll be able to see your feedback in MyOpenMath and D2L.

## Exams

There will be a midterm and final given in class as shown on the class calendar. Unlike the quizzes, the exams will be closed book and closed notes. This progression is meant to help you get confident with the material for the exams. I will provide some formulas for each test and share that in class. I will also put that information in the midterm and final information pages in the content tab.

You'll be using the MyOpenMath system. Just like the quizzes, you will be able to add screenshots and type your steps or writing into the MyOpenMath system, or you can write your work on paper that I will provide and collect. Completing all the coursework throughout the term is the best way to prepare for an exam. Then you can study by reviewing your lecture notes, homework, labs, quiz feedback and doing the exam reviews and MyOpenMath bonus review problems.

If you have accommodations through [Accessible Ed & Disability Resources at PCC](#), please send them to me through the AIM system. You are welcome to schedule a meeting to discuss your specific accommodations and how I can best support you. If you have testing accommodations you will schedule your proctored exams using the [AIM system](#).

## Late Work & Make-up Policy

**General Spirit of my Late-Work Policy:** Generally speaking, work should be done on time so that you can keep up with the course and not fall behind. However, I understand you are balancing a lot and I don't think you should be punished for turning in late work by docking points. This does not mean I will always accept late work. If you need a couple extra days here and there throughout the term, that seems like a fair thing to allow. Communication with your instructors is a very important skill to build, so please email me and ask for what you need.

To go with this flexibility, I have high expectations. I expect you to complete everything in the course. If you miss something, don't skip it. Complete it or email me so we can set up a plan. The formal rules for this are as follows:

- **Missed Class:** If you are sick, please stay home and take care of yourself. If you miss class for any reason you can use the videos for all the notes. Then complete the Amplify lab and quiz for the week.
- **Online Homework:** You have 6 Late Passes in MyOpenMath. Click on LP to give yourself an extension. If you are not able to click on that let me know and I can extend it for you. I can grant more Late Passes if needed, just ask. It's important to get caught up as soon as possible and I expect you to get 100% in all sections because you have unlimited tries.
- **Labs and Discussions:** You may request an extension on labs and discussions. It is best to email your instructor before the due date to ask for an extension, but if that is not possible, contact me as soon as you can.
- **Quizzes:** You can also choose to use your Late Passes for quizzes. It's important to get caught up as soon as possible in order to complete the course.
- **Exams:** If you are sick please don't come to campus or any proctoring location. Contact me right away if you are sick or have an emergency that prevents you from attending a test. You'll schedule a make-up test through the [PCC testing center](#).
- **Bonus Review Problems in MyOpenMath:** There are some bonus review problems for the midterm and final in MyOpenMath to get a few extra points. These are not a substitute for doing the regular assignments.

### Important Notes about Flexibility and Incompletes

- *I can offer some flexibility during the term, but I don't have any flexibility on when the term ends.*
- *The flexibility is meant to be a few days here and there when you are balancing a lot. If you get too far behind it may not be possible to catch up and pass the class.*
- *All quizzes in the first half must be completed by the midterm time, and all quizzes in the second half must be completed by Friday night before the final. If I get flooded with work at the last minute I won't have time to grade it before grades are due.*
- *If a student has a lot of overdue work I may set individual deadlines. If you have a concern please reach out to me so we can talk about it.*
- *An Incomplete will only be considered if at least 80% of the work is completed to a passing level (70% or higher).*

*Please reach out right away if you get stuck because you can't afford to get very far behind and finish all the material!*

## Evaluation of Assignments/Assessments

Grades are based on your online homework, labs, quizzes and exam results. I will write detailed feedback on your quizzes and post grades within a week after the due date. Be sure to read my feedback in MyOpenMath and D2L even if you have 100%. I may have written important information to improve for next time.

## Grading Criteria:

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### Graded Elements of the Course:

Graded elements and points

Activity	Total Number During the Term	Points per Activity	Total Number of Points
Student Info Assignment	1	5	5
Private Check-in Discussions	2	5	10
Labs in Amplify Classroom	8	10	80
MyOpenMath Homework	19	varies	100
Module Quizzes	7	10	70
Midterm	1	100	100
Final Exam	1	120	120
Total			485

If your final, rounded, course % is within 1% of the next higher letter grade, and your final exam score is within the higher letter grade range, then you will receive the higher letter grade. Otherwise, your final grade will be assigned according the minimum course grade requirements below and standard rounding rules. For more information, please go to the [PCC Grading Guidelines](#).

### Grading Scale:

Grades and points

Letter Grade	Grading Scale by Points	Grading Scale by Percentage
A	435 - 485+	90 - 100%
B	386 - 434	80 - 89%
C	338 - 385	70 - 79%
D	289 - 337	60 - 69%
F	≤ 288	below 60%

## PCC Policies and Deadlines

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### Sanctuary College

Portland Community College is a [sanctuary college](#) which means policies are designed to protect undocumented students.

### Title IX/Non-Discrimination statement



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, veteran status, sex, sexual orientation, gender identity, or disability please contact the Office of Equity and Inclusion at (971) 722-5840 or [equity.inclusion@pcc.edu](mailto:equity.inclusion@pcc.edu).

If you experience any harassment, microaggressions or any form of exclusion in our class, please let me know so I can help. You can also talk with me about other issues, just know that all instructors are mandatory reporters for any allegations of dating or domestic violence, child abuse or neglect, abuse of vulnerable populations, and/or credible threats of harm to yourself or others. If you wish to make a disclosure that can remain confidential, there are staff at PCC who are deemed confidential. I can help direct you to confidential staff or you can find more [Title IX help here](#).

### Basic Needs

Everyone needs help sometimes and PCC is here for you. We want you to be successful in reaching your education and career goals! If you are struggling to make ends meet and don't know what resources are available, [reach out](#). We can help you connect to resources on campus and in the community. You can also reach out to us at [basicneeds@pcc.edu](mailto:basicneeds@pcc.edu) or 971-722-6555.

## PCC Grading Guidelines

See an outline of the [PCC Grading Guidelines](#) for more information.

## Registration policy and Deadlines for the term

Students are responsible for adding, dropping or withdrawing from the class, and selecting a letter grade or pass/no pass grading option. Please review [Drop/Withdraw deadlines](#) and [PCC Registration Policy](#) for more information and deadlines.

## Payment Deadlines

Payment is due two weeks before the start of the term. If you enroll after that date, payment is due immediately. Bills are issued beginning three weeks before the term. You can see your balance or access your bill online in the MyPCC Paying for College tab. Please review [PCC Payment Policy](#) for more information.

## Student Rights and Responsibilities

The [Student Rights and Responsibilities Handbook](#) establishes students' freedoms and protections as well as expectations of appropriate behavior and ethical academic work. The Handbook includes items such as the Policy on Student Rights, and the Student Code of Conduct Policy and Procedures.

## 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. Cheating includes any attempt to defraud, deceive, or mislead the instructor in arriving at an honest grade assessment, and may include sharing answers, copying answers from other students, answer keys or using unauthorized resources during tests. Plagiarism is a particular form of cheating that involves presenting as one's own the ideas or work of another (including AI), 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](#).

## Internet Etiquette (or Netiquette)

More information about [Communicating Effectively Online](#).

## Accessibility and Accommodations

PCC and I are committed to supporting all students and minimizing barriers. If you plan to use accommodations for this course, please send me the formal notification. We can set up a meeting to discuss how I can help meet your needs. To begin the process of requesting any accommodation, use the Get Started button on the [Accessible Education and Disability Resources website](#).

## Privacy Policy for External Tools

Here is more information for the external tools that are used in this class:

- [Amplify Privacy Policy](#)
- [MyOpenMath Privacy Policy](#)
- [Google Privacy Policy](#)
- [Microsoft Word Privacy Policy](#)
- [Quizlet Privacy Policy](#)

## Campus Resources

PCC offers a variety of resources to help you succeed in your classes and to enhance your college experience (e.g., jobs on campus, child care, student clubs, tutoring, writing centers, Multicultural Centers, Women's Resource Centers, Veterans Resource Centers, Queer Resource Centers, Dreamers Resource Center, emergency loans, food pantries, advising, counseling). You can access information about college resources and activities at [the Student Life web 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.

# Course Calendar

## General Weekly Pattern:

- **Before each class:** Watch the videos indicated in D2L on the lecture page and bring your notes to class
- **Thursdays, 9-11:50 pm in class:** We will do some notes pages together in class and work on the lab activity. You may also have some homework time. Plan to stay until the end of each class.
- **Right after class (Optional):** Stay for drop-in help time for questions or homework
- Schedule instructor and/or mentor time, and/or attend tutoring and study groups as needed, post questions in MyOpenMath forums and D2L discussions and/or email instructor and/or mentor.
- **The next Thursday by 11:59 pm:**
  - MyOpenMath online homework and Amplify Lab due, questions and discussion encouraged in MyOpenMath and D2L forums
  - Module Quiz due, using MyOpenMath with work typed in MyOpenMath or uploaded in D2L



*Exams: There will be two exams in class.*

- **Midterm Exam:** Thursday, Oct 23 (Week 5)
- **Final Exam:** Thursday, Dec 11 (Week 12)

## Course Calendar by Week

Week	Content	Before Class	During Class and Assignments Due by the next Thursday
<b>Week 1</b> <b>Intro and Module 1</b> <b>Sep 22 - 28</b>	Class orientation and community building  Intro to Statistics and Inference (5.3.1, 1.2)  Data Collection (1.3-1.5, 1.1)	<b>Before Class on Thurs, Sept 25:</b> <ul style="list-style-type: none"> <li>• Watch Intro Videos in the D2L welcome announcement</li> <li>• Read Course Info, Syllabus and Calendar</li> <li>• Print or buy course packet</li> <li>• Create a MyOpenMath account and complete the orientation assignment (before or after first class)</li> </ul>	<ul style="list-style-type: none"> <li>• Bring your course packet. We will do some notes pages together and work on the Module 1 lab</li> <li>• Finish any remaining lecture pages and the lab</li> <li>• Upload Student Info Assignment</li> <li>• MyOpenMath Homework</li> <li>• Module 1 Quiz</li> </ul>
<b>Week 2</b> <b>Module 2</b> <b>Sept 29 - Oct 5</b>	Examining Numerical Data (2.1.2-2.2.1)  Standard Deviation, Z-scores and Side-by-Side Boxplots (2.2.2-2.2.4, 2.2.6, and 2.2.8)	<b>Before Class on Thurs, Oct 2:</b> <ul style="list-style-type: none"> <li>• Watch the videos specified in D2L</li> <li>• Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>• We will do some notes pages together in class and work on the Module 2 lab</li> <li>• Finish any remaining lecture pages and the lab</li> <li>• MyOpenMath Homework</li> <li>• Module 2 Quiz</li> </ul>
<b>Week 3</b> <b>Module 3</b> <b>Oct 6 - 12</b>	Categorical Variables, Contingency Tables and Independence (2.4 and 3.2)  Statistical Inference and Simulating Sampling Distributions of a Mean (4.2.1 up to Example 4.2.6 - no formulas yet)  Simulating Sampling Distributions of a Proportion (5.1.1-5.1.4, skip 5.1.3 for now - no formulas yet)	<b>Before Class on Thurs, Oct 9:</b> <ul style="list-style-type: none"> <li>• Watch the videos specified in D2L</li> <li>• Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>• We will do some notes pages together in class and work on the Module 3 lab</li> <li>• Finish any remaining lecture pages and the lab</li> <li>• Private check-in with Instructor Discussion Post</li> <li>• MyOpenMath Homework</li> <li>• Module 3 Quiz</li> </ul>

Week	Content	Before Class	During Class and Assignments Due by the next Thursday
<b>Week 4</b> <b>Module 4</b> <b>Oct 13 - 19</b>	Understanding and Interpreting Confidence Intervals, ME, SE using Simulation for means and proportions (5.2.1, 5.2.5)  Constructing Bootstrap Confidence Intervals for Means and Proportions using SE and Percentiles (Supplement - IMS Chap 12)  Practice for the Midterm	<b>Before Class on Thurs, Oct 16:</b> <ul style="list-style-type: none"> <li>Watch the videos specified in D2L</li> <li>Bring your notes to class</li> <li>Bring your Sample Midterm Problems pages to class</li> </ul>	<ul style="list-style-type: none"> <li>We will do some notes pages together in class and work on the Module 4 lab and midterm practice</li> <li>Finish any remaining lecture pages and the lab</li> <li>MyOpenMath Homework</li> <li>The Module 4 quiz will be automatically graded and visible so you can get feedback before you take the midterm.</li> </ul>
<b>Week 5</b> <b>Module 5 Midterm</b> <b>Oct 20 - 26</b>	Practice for the Midterm  <b>Midterm Exam (Modules 1-4)</b>	<b>Before Class on Thurs, Oct 23:</b> <ul style="list-style-type: none"> <li>Watch the videos for any missed notes pages, finish any outstanding homework, labs or quizzes for Modules 1-4</li> <li>Prepare for the midterm</li> </ul>	<ul style="list-style-type: none"> <li>MyOpenMath bonus midterm review problems</li> <li>Sample midterm problems (check solutions in D2L)</li> <li><b>Take the Midterm on Modules 1-4 in class</b></li> </ul>
<b>Week 6</b> <b>Module 6</b> <b>Oct 27 - Nov 2</b>	Hypothesis Tests with Randomization Distributions, 1 Mean and 1 Proportion (5.3.1-5.3.4)  Hypothesis Tests with Randomization Distributions, 2 Means and 2 Proportions	<b>Before Class on Thurs, Oct 30:</b> <ul style="list-style-type: none"> <li>Watch the videos specified in D2L</li> <li>Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>We will do some notes pages together in class and work on the Module 6 lab</li> <li>Finish any remaining lecture pages and the lab</li> <li>MyOpenMath Homework</li> <li>Module 6 Quiz</li> </ul>
<b>Week 7</b> <b>Module 7</b> <b>Nov 3 - 9</b>	Additional Practice and Considerations in Hypothesis Testing - Decision Error, P-Values, Practical Significance (5.3.6-5.3.11)  The Normal Model (2.3)	<b>Before Class on Thurs, Nov 6:</b> <ul style="list-style-type: none"> <li>Watch the videos specified in D2L</li> <li>Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>We will do some notes pages together in class and work on the Module 7 lab</li> <li>Finish any remaining lecture pages and the lab</li> <li>MyOpenMath Homework</li> <li>Module 7 Quiz</li> </ul>
<b>Week 8</b> <b>Module 8</b> <b>Nov 10 - 16</b>	Central Limit Theorem for Means and Proportions (4.1-4.2)  Confidence Intervals for Proportions Using the Normal Distribution (5.2)	<b>Before Class on Thurs, Nov 13:</b> <ul style="list-style-type: none"> <li>Watch the videos specified in D2L</li> <li>Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>We will do some notes pages together in class and work on the Module 8 lab</li> <li>Finish any remaining lecture pages and the lab</li> <li>Private check-in with Instructor Discussion Post</li> <li>MyOpenMath Homework</li> <li>Module 8 Quiz</li> </ul>
<b>Week 9</b> <b>Module 9</b> <b>Nov 17 - 23</b>	Hypothesis Testing for Proportions Using the Normal Distribution (5.3, 6.1)  Scatterplots, residuals, and correlation (1.2.3, 8.1-8.2)	<b>Before Class on Thurs, Nov 20:</b> <ul style="list-style-type: none"> <li>Watch the videos specified in D2L</li> <li>Bring your notes to class</li> </ul>	<ul style="list-style-type: none"> <li>We will do some notes pages together in class and work on the Module 9 lab</li> <li>Finish any remaining lecture pages and the lab</li> <li>MyOpenMath Homework</li> <li>Module 9 Quiz</li> </ul>
<b>Week 10</b> <b>Thanksgiving Week</b> <b>Nov 24 - 30</b>	No new content this week	<b>No Class on Thursday, Nov 27</b>	<ul style="list-style-type: none"> <li>Finish any outstanding MyOpenMath homework, labs or quizzes</li> </ul>

Week	Content	Before Class	During Class and Assignments Due by the next Thursday
<b>Week 11</b> <b>Module 10</b> <b>Dec 1 - 7</b>	Final Practice Problems	<b>Before Class on Thurs, Dec 4:</b> <ul style="list-style-type: none"> <li>Complete any unfinished work from Modules 6-9</li> <li>Start reviewing for the final</li> </ul>	<ul style="list-style-type: none"> <li>MyOpenMath Bonus Review Problems</li> <li>Sample final problems (see solutions in D2L)</li> </ul>
<b>Week 12</b> <b>Module 11</b> <b>Finals Week</b> <b>Dec 8 - 11</b>	Final Exam (Modules 1-9)	<b>Before Class on Thurs, Dec 11:</b> <ul style="list-style-type: none"> <li>Prepare for the final, get all questions answered</li> </ul>	<ul style="list-style-type: none"> <li><b>Take the Final Exam on Modules 1-9 with more emphasis on 6-9 in class</b></li> <li>Complete your course evaluation in MyPCC, My Courses Tab</li> </ul>

If you have any questions, please ask me!

**Flexibility Statement:** The instructor may need to modify the course content, assignments and/or learning activities in response to institutional, weather or class situations.