

Math 105 – Math in Society

Portland Community College, SE Campus
2305 SE 82nd Ave., Portland, OR 97216
CRN: 41929, 4 Credits



Wednesdays: 1:00 – 3:20 pm

Remote on Zoom

Fall 2021

Instructor: Cara Lee

Email: cara.lee@pcc.edu

Phone: 971-722-3773 (forwards to my cell phone)

Text: 971-350-8868 (Google Voice 9-5 on weekdays)

Office: SCOM 214 (or remote home office)

[Zoom Classroom and Office Hours Link](#)

Student Office Hours: Mondays 4-5 pm, Wednesdays 3:30-4:30 pm
Thurs, 2:30-4 pm in the tutoring center ([Tutoring Link](#))
And by appointment, just ask!

Welcome! You belong here! I value differences and appreciate working with students of all races, ethnicities, ages, documentation statuses, sexual orientations, gender identities and expressions, abilities, sizes, shapes, socio-economic backgrounds and educational backgrounds. Black lives and Black minds matter! I am committed to anti-racist teaching and working on deepening my practice. 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 LBGTO+ rights](#).

COVID-19: PCC and I want you to be successful and there are 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](#) and [Emergency Funds](#). You can also contact a campus Student Conduct and Retention Coordinator at conductandcare@pcc.edu.

Teaching Philosophy: I believe education is a human right and vital to our democracy. Higher education is the main pathway to a higher income and more fulfilling work. College is also a time of exploration and meeting people who are different in many different ways. I love connecting with people and playing with numbers and patterns. My goal is for you to be comfortable and confident with math, so you are empowered with numbers. I want to get to know you and how you learn. I want you to challenge ideas and ask lots of questions. I strive to make learning relevant and fun!

Grading Philosophy: You are a person separate from your grade. I am always on your side in grading and I want you to succeed. A score is a measure of the skills you have demonstrated and communicated. I will do my best to provide useful feedback on your work and your participation so you can learn. There is not just one way to do anything so your way is more valuable to you than my way. You will be discussing ideas and concepts with your group. I want you to internalize the material and write it up in your own way. No two assignments should look identical.

[Link to Description, Outcomes and Course Content](#)

Required Materials:

- **Free Online Textbook:** <https://spot.pcc.edu/math/mathinsociety>. You can get an optional printed copy at the bookstore for around \$20. The bookstore will mail it to your home for free.
- **Free Online Homework System:** www.myopenmath.com
 - Course ID: 125580
 - Enrollment Key: mathisfun

- **Class Prep and Chapter Assignment Sheets:** You can print these all at once on campus or at one of the county libraries. You can also write any assignment on plain paper.
- **1 or 1 ½-inch 3-ring binder**, 5 or more dividers (or post-it notes or flags)
 - Recommended dividers: Class Preps, Class Activity Notes, Online Homework Steps, Chapter Assignments, Project
- **Pencils, eraser and sharpener**
- **A few colored pens, pencils or highlighters are recommended**
- **Scientific calculator, phone or desmos.com.** A graphing calculator is also fine if you already have one, but not required for this class.
- **Microsoft Excel or Google Sheets.** Link for free Microsoft Office for Students: <https://products.office.com/en-US/student/office-in-education>.

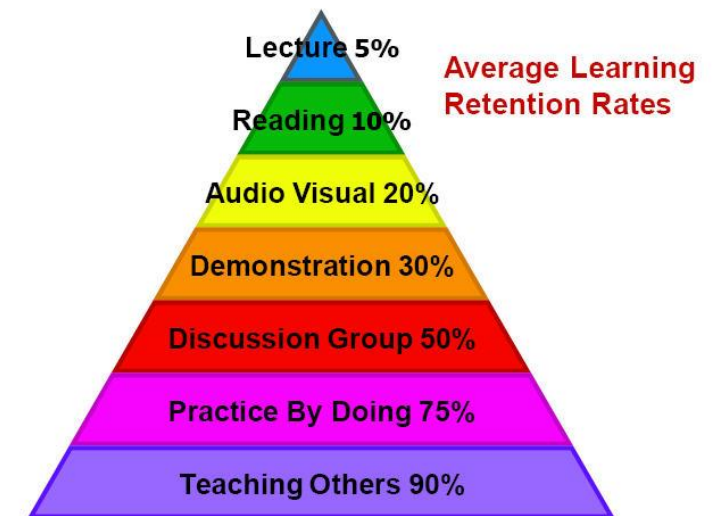
What is a flipped class?

In our class, that means the lecture and introductory learning takes place on video before class (as homework), and the harder problem-solving work takes place in class, where you have the guidance and help of classmates and the instructor. Since our class meets only once a week you will also have some homework to be done after class each week.

Why is our class flipped?

The image on the right shows the average amount people retain when learning through lecture, reading, etc. It's not surprising that most people retain more by discussing, doing and teaching others. This is what I want to spend most of our valuable class time on. We can use technology for the lecture, audio visual and demonstrations, which are also very important.

Class Prep Assignment: In D2L there is a class prep assignment for every week, except the first class. It will be a combination of watching videos, reading the book, researching online and reflection questions. This is due as an upload to D2L before each class in order to be prepared for the class activities.



Source: National Training Laboratories, Bethel, Maine

3 parts of each class:

1. Intro/Warm-up
2. Group Activities/Class Activities
 - During this time, you can focus on group discussion, practice by doing and teaching others.
 - Work together with your group in the collaborative google doc.
 - Sometimes we will also have whole class activities or experiments
3. Looking ahead to next week, questions, group project time.

Set yourself up for success:

- ✓ Complete the class prep before class starts and upload in D2L.
- ✓ Set up your workspace and/or Zoom background and settings so you feel comfortable.
- ✓ You are not required to turn on your camera, but we would love to see your face 😊!

Resources and Help

Ask me!

Remote/Online Resources: Virtual help tab: <https://my.pcc.edu/web/home-community/help>

Tutoring: The Student Learning Center or Tutoring Center has gone virtual! Tutoring is available Sun-Thurs. The link and schedule are online at <https://www.pcc.edu/tutoring>.

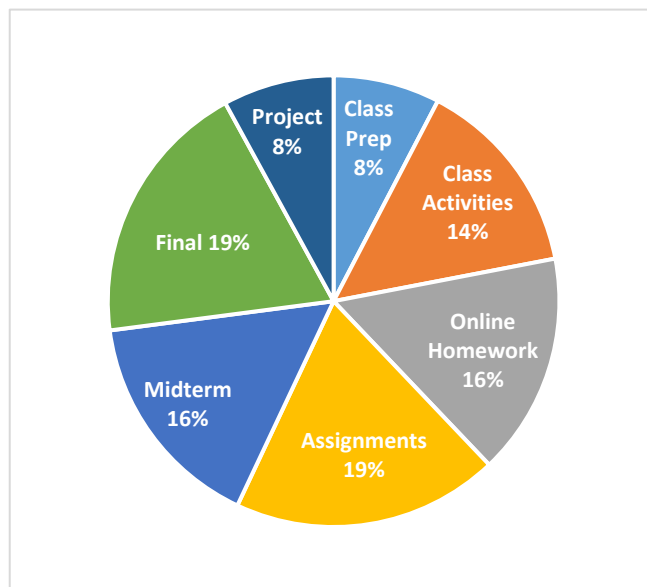
Expanded Online tutoring is also free from the [Western eTutoring Consortium](#).

Grading

Course grades will be calculated as follows. You can check your grade in MyOpenMath at any time.

<u>Course Component</u>	<u>Points</u>
Introduction Post Online	10
Student Info Assignment	10
Class Prep Assignments (8 x 6 pts each)	48
Class Activities (9 x 10 pts each)	90
MyOpenMath Online Homework	100
Chapter Assignments (5 x 20 pts each)	100
Team Project	50
Midterm Test	100
<u>Final Test</u>	<u>120</u>
Total	628

You have 5 late passes inside MyOpenMath. These will extend the deadline for an online homework assignment. If it is past the late pass window, email Cara to extend it. If you need an extension on something, please email me as soon as possible. Communication with your instructor is the most important thing 😊



Please check your feedback on assignments, scores and overall grade at any time in D2L. You can sign up for notifications when a grade item is updated.

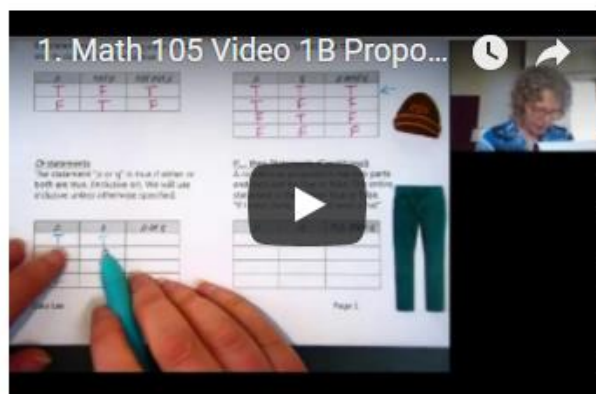
Make-up policy. I have high expectations and a policy of flexibility. Communication is the most important thing if you have circumstances that interfere with any class work. Class attendance and engagement are very important for your success. You need to complete all work to be successful in the class. Read below for specific scenarios.

What do I do if...

- **I am late for class:** Please come in at any time! It is better to come for any part of class than not at all. Notify a classmate or the instructor if you are able but this is not required.
- **I need to leave early:** Please let me know during class or by email. Class activity points will be pro-rated. You can finish the activity and upload it to get the remaining points as soon as you are able.
- **I will be absent:** Please let me know beforehand or afterward, as soon as you are able. Upload your Class Prep Assignment. Check in D2L for the class activities for that day. Complete the activities and upload in D2L to make up the points. You can use the solutions to help you.
- **I missed MyOpenMath deadlines:** You have 5 late passes inside MyOpenMath, which will extend your deadlines. If you have any trouble using them, email me and I can help. If you need more than that please email or talk with me.
- **I feel lost, behind or frustrated with the class:** Please talk to me or email me. I have been there, too, and I am here to help you. It's better to get help as soon as possible. Don't spin your wheels. Sometimes people think they don't belong in college, but that's not true. Getting stuck and working through it is part of college. It just takes college experience to know that. You can also talk with classmates and use other campus resources. Use my office hours, the tutoring center and free online tutoring.

Graded Course Components

Class Prep Assignments: A combination of videos, like the image to the right, reading, research and personal reflections. Take notes on the worksheet, word doc or plain paper. Scan and upload in D2L before class. All materials are in D2L.



Group Activities: Most of our class time will be spent on group activities and problem solving. We will take a 10-minute break about halfway through the class. It is important to find the right pace for you and your group and not rush through the activities. The quality of your work is more important than the quantity of work. Full activity points will be given when you are present and actively working with your group. If you miss class, then please complete the activity and upload it in D2L to get the points.

MyOpenMath Online Homework: Online homework assignments are due as shown on the course calendar and inside D2L. Do your best to complete the homework problems for each section covered in class before the next time class meets. The next day's material will often build upon the last. Write the steps down in your notebook. Then you can use your work to help you on the chapter assignments and tests.

Cara Lee

Questions

- ▶ Q 1 (0/2)
- ▶ Q 2 (0/1)
- ▶ Q 3 (0/1)
- ▶ Q 4 (0/1)
- ▶ Q 5 (0/1)
- ▶ Q 6 (0/1)
- ▶ Q 7 (0/4)
- ▶ Q 8 (0/2)
- ▶ Q 9 (0/1)
- ▶ Q 10 (0/1)
- ▶ Q 11 (0/2)
- ▶ Q 12 (0/3)
- ▶ Q 13 (0/4)
- ▶ Q 14 (0/4)
- ▶ Q 15 (0/1)
- ▶ Q 16

A political scientist surveys 25 of the current 95 representatives in a state's congress.

What is the size of the sample:

What is the size of the population:

Get help: [Video](#) [Video](#)

Show Answer

Show Answer

Points possible: 2
Unlimited attempts.
Post this question to forum [🗨](#)

Submit

If you get stuck or have a question, **post it to the forum** using the link at the bottom of the problem. You can respond to other students' questions and I will also respond. You can also get help in the virtual tutoring center.



Chapter Assignments: There will be five graded chapter assignments to show your work and get detailed feedback from me. These are available in D2L. Scan or take photos with an app like Adobe Scan to put all the pages in one PDF and upload in D2L.

Team Project: There will be one team budgeting project. More details will be given in class.

Tests: There will be a midterm and a cumulative final test taken online in MyOpenMath. You will be able to use a calculator and spreadsheet like we use in class. Test dates are shown on the course calendar. You will have a 3-hour window during the test dates to take your test.

You may use course materials but no other people. Completing class prep, class activities and practice problems is the best way to prepare for the tests. Testing anxiety and math anxiety are very common, and there are some resources in D2L. You are also welcome to talk with me anytime.

Extra Credit Policy: A few bonus points will be available during the term, up to about 3% of the course points. Extra credit is not a substitute for regular course work, which must be completed to succeed.

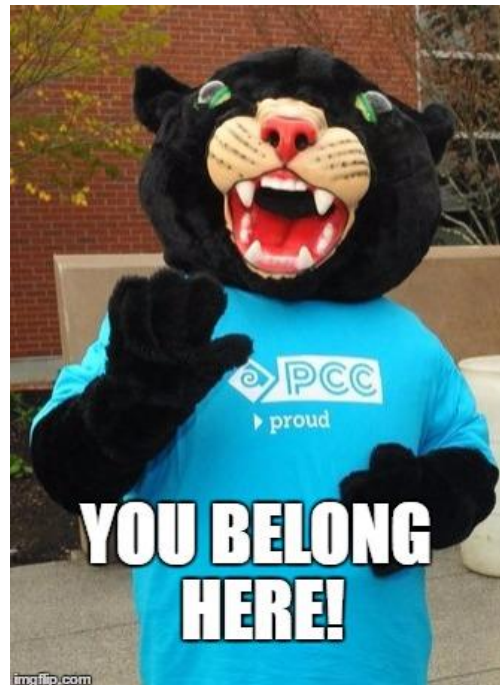
Important College Policies and Information

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, 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. You can read more and find a confidential reporting form at <http://www.pcc.edu/about/equity-inclusion/>.

You are also welcome to talk to me, just know that all instructors are mandatory reporters for Title IX and child abuse issues to the college. You may speak with designated confidential people such as counselors in SCOM and staff in the Women's Resource Center and the Queer Resource Center. I would be happy to walk with you to the place of your choice.

Listening Intervention Team for Equity (LITE) is a PCC resource for students, faculty, and staff who have experienced inequity or need guidance to navigate challenging dynamics at the college across cultures, races, ethnicities, gender identity or expression, sexual orientations, ability, faiths, and other aspects of identity. The LITE listener will offer compassion, help you process your experiences, share skill-building techniques and problem-solving strategies, and connect you with other existing support resources. **To talk to a LITE listener about experiences of inequity you have had at PCC**, go to <https://www.pcc.edu/about/equity-inclusion/listening-intervention-team-for-equity.html> then click on a coordinator or listener name for contact information.

Sanctuary College: PCC promotes the success, dignity, and worth of every individual by providing a safe environment where the examination of divergent ideas, experiences and systems of inequality adds depth to the learning experience. PCC strives to provide opportunity to all students and the appropriate level of support services to ensure the highest level of success. For more information and resources, see <https://www.pcc.edu/resources/undocumented-students/>.



FERPA (Family Education Rights and Privacy Act): You have the right to privacy of your personal information and educational records. I can only send email to your secure MyPCC email account so that I am communicating with you confidentially.

Accessibility: If you are working with Disability Services I will be happy to work with you on your accommodations, just let me know. If you believe you may need an accommodation you can start the process at www.pcc.edu/resources/disability.

Inclement weather or emergencies: Campus closures will be announced on www.pcc.edu and please check your email for instructions.

Audits: Students must obtain instructor permission to audit a course by the deadline.

Registration and Dropping: Students may attend this course only if registered. Students who are unable to attend must drop the course online or through the Registration Office. To have tuition charges removed, the course must be dropped by the student before the drop deadline posted on MyPCC and in the class schedule. Students who stop attending without dropping will receive a grade of F due to college policy.

Drop and Withdrawal Deadlines: www.pcc.edu/registration/dropping

Pass/No Pass Grades: Choose a grading option of letter grade (A-F), or Pass/No Pass (P/NP) via the computer registration system by the deadline posted by the college. Talk with your advisor as some degree/certification programs may not accept Pass/No pass grades.

Incompletes: Incompletes are given only if at least 80% of the work is already completed, with a current grade of "C" or above. A contract for completion must be signed by the student and instructor to receive an incomplete.

Academic Integrity: Being a successful student and living successfully requires you to develop a strong sense of personal and professional integrity. Completing your own academic work is a requirement of PCC. Students that engage in any form of academic dishonesty will receive a verbal and written warning. Further academic dishonesty can result in a zero for the test or assignment, an F for the class and/or charges for violation of the Student Conduct Code.

PCC Grading Guidelines:

<http://www.pcc.edu/resources/academic/standardspractices/AcademicStandardsandPractices-GradingGuidelines.html>

PCC Code of Student Conduct:

<http://www.pcc.edu/about/policy/student-rights/studentrights.pdf#academicintegrity>

PCC Resources <https://www.pcc.edu/resources/#student>

Community Resources

- Call to Safety, 503-235-5333, <https://calltosafety.org/resources/>,
- <https://www.auntbertha.com/>, <https://211.org>
- Columbia County Mental Health Line, 503-397-6161
- Washington County Crisis Line, 503-291-9111
- Yamhill County Crisis Line, 503-434-7523,
- Clackamas County 24-hour Crisis Line, 503-654-2288

Math 105 Remote Calendar

The sections listed will be worked on in class that day. Be sure to do the class prep items in D2L and upload before class starts. There is no class prep for the first day of class.

	Wednesday	<i>Due Mon by 11:59 pm in MyOpenMath or D2L</i>
Sept 29 Week 1	<i>Class Introduction (no class prep before the 1st class)</i> 1.4 <i>Online Intro and Student Info due by Friday night at 11:59 pm</i>	<i>MyOpenMath 1.0 (orientation), 1.4 due</i>
Oct 6 Week 2	Watch videos and upload class prep before class in D2L 1.1, 1.2	<i>1.1, 1.2</i>
Oct 13 Week 3	Watch videos and upload class prep 1.3, 5.1, 5.2	<i>1.3, 5.1, 5.2 Upload Chapter 1 assignment in D2L</i>
Oct 20 Week 4	Watch videos and upload class prep 5.3, 5.4, 2.1-2.2	<i>5.3, 5.4, 2.1-2.2 Upload Chapter 5 assignment in D2L</i>
Oct 27 Week 5	<i>Inservice Day No Classes before 4pm Tutoring center open</i>	<i>Catch-up if needed</i>
Nov 3 Week 6	Watch videos and upload class prep 2.3, 2.4	<i>2.3, 2.4 Upload Chapter 2.1-2.4 assignment in D2L</i>
Nov 10 Week 7	Midterm (Ch 1, 5, 2.1-2.4)	<i>Bonus Review Take midterm in MyOpenMath</i>
Nov 17 Week 8	Watch videos and upload class prep 2.5, 3.1 Start Group Project	<i>2.5, 3.1</i>
Nov 24 Week 9	Watch videos and upload class prep 3.2, 3.3	<i>3.2, 3.3</i>
Dec 1 Week 10	Watch videos and upload class prep 3.4, 4.1	<i>3.4, 4.1 Upload Chapter 2.5-3 assignment in D2L</i>
Dec 8 Week 11	Watch videos and upload class prep 4.2, 4.3 Group Project Due Wed by 11:59 pm	<i>4.2, 4.3 Upload Chapter 4 assignment in D2L</i>
Dec 15 Finals Week	Final Test (Ch 1, 5, 2, 3, 4)	<i>Bonus Review Take final in MyOpenMath</i>

This schedule is tentative and subject to change due to class circumstances, weather, etc. Updates will be given in class and online.