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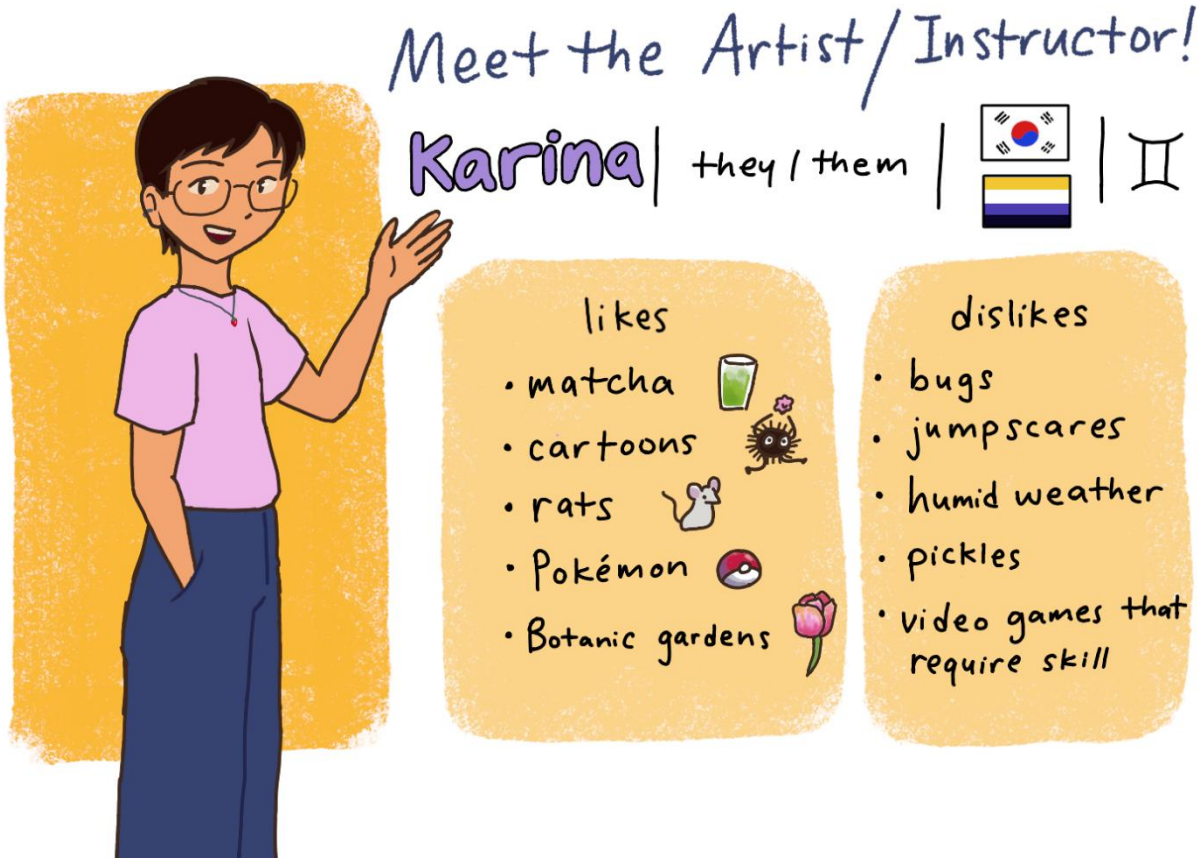
Instructor Information

About the Instructor

My name is Karina Cho. Please call me Dr. or Prof. Cho!

Pronouns: they/them/theirs



Instructor Email

chokarina@deanza.edu

This is the best way to get in contact with me. I will try to respond to emails within 1 business day, so give me up to 24 hours to respond during the school week before re-emailing. Please include a relevant subject line including the course number and section (e.g. “Math 1A 01Y: Missing Class” or “Math 1B 09: Grading Error”) and a sign off with your name (so that I know how to address you in my reply).

Student Hours (aka Office Hours)

- 10:30-11:30 AM, Tuesday/Thursday at the Physical Sciences and Village (Room S 55)
- 8:30-10:20 AM Friday on Zoom

Come talk to me about any questions, concerns, or confusions you have with the course content or anything else related to the course; I want to talk with you! Feel free to invite a friend to come with you, especially if you are facing similar issues.

What you can expect from me

- Trust and respect for every person in this class.
- A commitment to antiracism, disability justice, and creating a healthy, collaborative learning environment for all.
    - To me, this entails that I will assume that we will work together towards your learning, not against one another.
    - I understand that not all disabilities are visible and that nearly half of disabled students do not register to get support from their institution's disability support office.
    - If there is something I can do as an instructor to better accommodate you, please contact me!
- A desire for your well-being and success in this course and beyond.

Course Information

Location and meeting times

11:00 AM-1:15 PM Monday and Wednesday
Media Learning Center 260

Student Learning Outcomes

- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- Formulate and use the Fundamental Theorem of Calculus.
- Apply the definite integral in solving problems in analytical geometry and the sciences.

Textbook

We will be using the free textbook *Calculus, Volume II* based on the OpenStax book.

What You'll Do

In order to build understanding of the course material, you will practice doing mathematics in a variety of different ways, including group work and individual work. Here is a summary of what you will do:

- Class
    - Listen to mini lectures given by me

    - Work collaboratively on activities with your peers
    - Discuss activities as a class
- Problem Sets
    - Work on problems related to course content we discuss in class
    - Practice writing and clearly communicating mathematics
    - Discuss these with your peers or me during student hours
    - Receive descriptive feedback on your work and then have a chance at revision to improve
- Checkpoints (In class)
    - Demonstrate your understanding of course material through solving problems (you will work individually on these)

I recommend starting on problem sets early in the week so that you can ask questions during student hours and talk with peers if you find yourself getting stuck.

Class Time

During class, we will do many things to support your learning and practice of mathematics, including mini-lectures, small group activities, and discussions. I strongly encourage you to attend class as much as possible since class time is your opportunity to try out new skills and engage with your peers, which has been shown to be an effective way to learn mathematics. Occasionally, we may start on homework together in class.

Your health and wellbeing are of utmost importance. You are welcome and encouraged to wear a mask to protect your class community, especially if you are sick. Let me know if you are unable to attend class for any reason.

Community Agreements

During the first class, we will add to the following set of expectations for norms that we will uphold during class.

- There are no silly questions
- Recognize different communication styles
- Mistakes are okay and expected

Course Schedule

Here's an approximate breakdown of the textbook sections we will work through on each week (This may shift based on the pace that our class follows.)

Week 1: 1.1-1.3

Week 2: 1.3-1.5

Week 3: 2.1-2.3
Week 4: 2.3-2.4, 3.1
Week 5: 3.1-3.3
Week 6: 3.4, 3.6
Week 7: 3.7, 2.5
Week 8: 2.5, 2.7-2.8
Week 9: 2.8, 4.1
Week 10: 4.2, 5.1-5.2
Week 11: 5.3-5.4

Assessment Information

Grading System
Problem Sets: 60%, Checkpoints: 30%, Final: 10%

Letter grade scale:

A+	96-100%
A	92-96%
A-	88-92%
B+	84-88%
B	80-84%
B-	76-80%
C+	72-76%
C	68-72%
D	60-68%
F	Below 60%

Unless otherwise stated, each graded problem will be considered on a 5 point scale:

5	Demonstrate full understanding with a clearly written process, slight computational error may be allowed especially in the case of in-person assessment

4	Demonstrate good understanding of the problem, minor computational errors allowed
3	Demonstrate partial understanding, but needs improvement
0-2	The work is missing or needs significant improvement

If you ever want to talk about your grade or progress in the class, I am happy to discuss that with you during student hours!

Extension Policy

I will have due dates for every assignment in order to provide a scaffolding for your learning that makes sense for the content we tackle during class. However, sometimes you may find yourself, for a variety of reasons, wanting some extra time to complete something. **I will grant 24-hour extensions on problem sets with a "no questions asked" attitude,** just send me an email requesting an extension prior to the due date. The purpose of the due dates is so that I can provide regular, useful feedback to you in order to better your understanding and give you an idea how to improve on a rewrite. However, **if you do need an extension, please understand that it will take some extra time for you to receive feedback**. I also do not want you to be in a situation where, at the end of the course, you have several missing assessments and not enough time to complete them. I cannot accept late work after December 6.

Assessment Schedule

Here is a summary of when various assessments will occur.

Key: = Class meeting

= Checkpoint

= Problem set (optional rewrite due a week after getting feedback)

Sun	Mon	Tues	Wed	Thu	Fri	Sat
Week of 9/22						
Week of 9/29						
Week of 10/6						
Week of 10/13						

Week of 10/20						
Week of 10/27						
Week of 11/3						
Week of 11/10						
Week of 11/17						
Week of 11/24						
Week of 12/1						
Week of 12/8	Final					

Problem Sets

Problems based on what we covered in class that week. I encourage you to work collaboratively with your peers on these. If you work with other people or consult resources other than your textbook, please cite them on the problem set (e.g. "I collaborated with [names] and looked at [website or other educational resource] in preparing this problem set"). Any work you submit should be written by yourself in your own words.

I strongly recommend starting these early in the week so that you have time to work on all of the problems and discuss with your peers. Submit these to Canvas.

Problem Set Revisions (Optional, Up to 3)

After you receive written feedback on your problem set, you will have a chance to revise your work. In order for your revision to be accepted, it must include some **thoughtful reflection** on your original work and mistakes. I invite you to consider the following prompts for each problem:

1. Identify what you got wrong or what needed improvement about the original work. Explain why you think you got the score that you got and address any written feedback.
2. What do you know now that you didn't before that allowed you to revise your work?

You may revise each problem set (except for the last one, due to time constraints) once and reattempt as many of the problems as you like (you don't need to rewrite problems that you are satisfied with). You may write on the same page as your original submission and clearly label which work is old and which is the revised work. If there is no space on the original work, you may include your revision on a new page. **Your score on the revision will replace your original**

score. In order for me to have time to keep up with revision grading, please submit up to three Problem Set Revisions.

Submit these to Canvas as the 2nd submission to the appropriate Problem Set within 1 week of receiving feedback on the original work. Late revision submissions will not be accepted.

Checkpoints
These are 45 minute in-class quizzes that we will have occasionally (see schedule). You will work individually on these and are allowed to use 1 page of handwritten notes. These are designed to check your understanding of course content, and the problems will be similar to ones that you have encountered on problem sets and in class. You will not need a calculator to do these, but you may be permitted to use a scientific (non graphing or CAS) calculator.

Final
The final exam will be very similar to the checkpoints but will be 2 hours in length. It is scheduled for Monday, 12/8 at 11:30 AM-1:30 PM. The location will be in our regular classroom.

Additional Policies and Resources

Disability Information
If you have a disability and would like an accommodation for this class, please contact me privately so that we can work together to make this class accessible for you! Please also contact the Disability Support Programs and Services for information or questions regarding accommodation.

Academic Integrity
Part of being a member of a classroom community is upholding academic integrity. In this class, this means that submitted work must be fully written and understood by the person who submitted it. For in-person assessments, this means following all written expectations. You are encouraged to work with peers on problem sets as long as you are not simply copying someone else's work. Your explanations should be written in your own words. If you refer to any resource other than your textbook, including the internet or AI, you should cite those sources. De Anza College's statement on academic integrity can be found here.

Attendance and Add/Drop
I expect you to be an active participant in the class by attending all class sessions and submitting your assignments in a timely way. In particular, **if you do not show up to class during the first class meeting or appear to be inactive (not attending class, submitting assignments, or communicating) within the first two weeks of the class, you may be dropped from the course**. If you have extenuating circumstances, please communicate with me and I will do my best to

make appropriate accommodations. Missing an in-person assessment without discussing it with me beforehand will unfortunately result in a score of 0.

You can find information about adding or dropping courses here.

COVID resources

- De Anza COVID Information: https://www.deanza.edu/healthservices/covid-19.html
- Student COVID Reporting Form: https://www.deanza.edu/covid/student-form.html

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