

Welcome to CSE 142!

Brett Wortzman

Autumn 2020

Please make sure your microphone is muted.

If you're willing, turn on your video so we can see you!

Agenda

- About us
- About this course
 - Learning objectives
 - Other similar courses
 - Course components
- Our learning model
- Tools and resources
 - Course Website
 - Zoom
 - Ed
 - PollEverywhere
 - Discord
- Assessment and grading
- Collaboration

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Hi, I'm Brett! (he/him)

- Assistant Teaching Professor
- Frequent 142 instructor (7th time in last 3 years)
- Also developing/teaching CSE 492T
 - *Equitable and Inclusive CS Pedagogy*
- Previously:
 - trained CS teachers
 - developed CS curriculum
 - taught high school CS
 - worked as a software engineer



Meet your TAs



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Learning Objectives

or, “What will I learn in this class?”

- **Functionality/Behavior:** Write functionally correct Java programs that meet a provided specification and/or solve a specified problem
- **Functional Decomposition:** Break down problems into subproblems that are modular and reusable, and define methods to represent those subproblems
- **Control Structures:** Select and apply control structures (e.g. methods, loops, conditionals) to manage the flow of control and information in programs
- **Data Abstraction:** Select and apply basic data abstractions (e.g. variables, parameters, arrays, classes) to manage and manipulate data in programs
- **Code Quality:** Define programs that are well-written, readable, maintainable, and conform to established standards

Other Similar Courses

Course	Good choice if...
CSE 142	<ul style="list-style-type: none">• You've never programmed before OR• You've done a little programming but feel rusty or not confident AND• You are, or want to be, in a major such as CS, CE, EE, Info, etc. that requires Java programming
CSE 143	<ul style="list-style-type: none">• You've programming in Java before OR• You took AP CS A or IB CS in high school
CSE 143X	<ul style="list-style-type: none">• You've programmed a lot before <i>in a language other than Java</i> OR• You are confident you can pick up new concepts very quickly OR• You <i>really, really</i> need to get through two courses in one quarter
CSE 160	<ul style="list-style-type: none">• You've never programmed before AND• You're interested in data science and analysis OR• You'd rather learn Python than Java* OR• You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful

Course Components

Lessons (aka Lectures)

- MWF, 10:30 or 1:30
- Held live via Zoom; recordings released after
- First introductions to course concepts
- Mix of presentation of content and practice activities/problems
- Some required pre-work

Sections

- Th, various times
- Led by TAs
- Held live via Zoom; **not** recorded
 - Short videos will be released on occasion when important material is covered
- Additional review, discussion, and practice
- Mostly practice problems

Attendance is not taken, but you are responsible for all material (including announcements).

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Digression: My New Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



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Amigurumi: Japanese art of creating crocheted or knitted stuffed toys

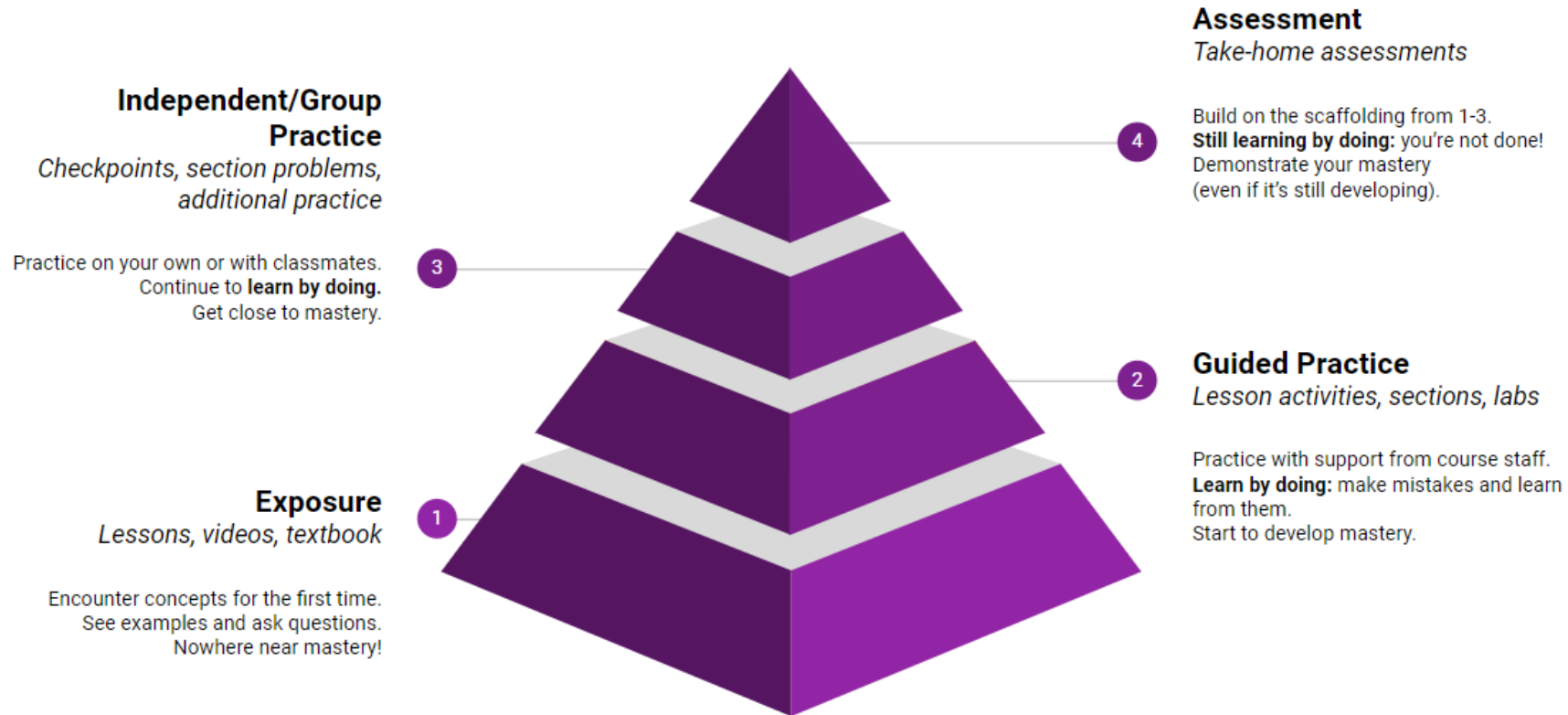


Digression: My New Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



Learning in CSE 142 (or anywhere)



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Course Website

cs.uw.edu/142

- Primary source of course information (*not* Canvas)
- Calendar will contain links to (almost) all resources

CSE 142, Autumn 2020

[Home](#) [Calendar](#) [Assessments](#) [Staff](#) [Zoom](#) [Syllabus](#) [Exploration Sessions](#) [Ed](#)

CSE 142

Computer Programming I

Attention!

This website is in open beta, but is still **under development**. All content, including course policies, requirements, and schedules, is subject to change.

Welcome to Intro. to Computer Programming !!

To learn more about the policies and structure for this class, please check the [course syllabus](#)

Announcements

September 30: Welcome to CSE 142!

Welcome to CSE 142 for Autumn 2020! We are excited to have you in class. Please make sure you are set up to work with [Zoom](#).

This Week

Course Website

Please review the syllabus ASAP.

CSE 142, Autumn 2020 Syllabus

Home Calendar Assessments Staff Zoom Syllabus Exploration Sessions Ed

CSE 142, Autumn 2020: Syllabus

- Course overview
- Learning objectives
- Remote learning
 - Recordings and privacy
- Inclusion
- Course components
 - Lessons
 - Sections
- Required course work
 - Types of assignments
 - Resubmission
 - Late work
- Getting help
 - Extenuating circumstances
- Grading
 - Grading scale
 - Take-home assessment grading
 - Final grade assignment
- Optional course activities
 - Labs (CSE 190)
 - Exploration sessions
- Collaboration and academic conduct
 - Philosophy
 - Permitted and prohibited actions
 - Penalties
 - Amnesty
- Guidance to students outside the U.S.
- Religious accommodations
- Disability Resources for Students
- Acknowledgements

CSE 142: Intro. to Computer Programming I

Note: All times on this website are listed in PDT (local time in Seattle). You can use [this page](#) or Google to convert times to your local time zone.

Teaching staff:

- Instructor:** Brett Wortzman (brettwo@cs.uw.edu)
- Course Administrator:** Pim Lustig (cse142@uw.edu)
Pim is your best resource for registration questions such as obtaining add codes, switching sections, or changing to or from S/NS grading.
- Course staff and office hours:** [Full list here](#)

Lectures:
All course meetings will be conducted via Zoom.

- MWF 10:30am-11:20am (A Lecture)
- MWF 1:30pm-2:20pm (B Lecture)

Other:

- Course website: <https://courses.cs.washington.edu/courses/cse142/20au>
- [Canvas course](#)
- [Ed course](#)
- Recommended textbook: [Building Java Programs](#) by Reges/Stepp (5th edition)
- Optional desktop software (not required)
- [Anonymous Feedback](#)

Course overview

This course provides an introduction to programming using the Java programming language. We will explore common computational problem-solving techniques useful to computer scientists, but also to anyone who has large data sets, repetitive processes or other needs for computation. No prior programming experience is assumed, although students should know the basics of using a computer (e.g., using a web browser and a text editor) and should be comfortable with math through Algebra 1. Students with significant prior programming experience should consider skipping CSE 142 and taking CSE 143 or CSE 143X. (No special permission is required.)

CSE 142, Autumn 2020

Home Calendar Assessments Staff Zoom Syllabus Exploration Sessions Ed

CSE 142

Computer Programming I

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This Week

Course Website

Make sure you're aware of Zoom norms.

CSE 142, Autumn 2020 Zoom Instructions

Home Calendar Assessments Staff Zoom Syllabus Exploration Sessions Ed

CSE 142, Autumn 2020: Zoom Instructions

Accessing a Zoom Event
Ed Links
Zoom in Canvas
Canvas Calendar
Accessing Lecture Recordings
CSE 142 Zoom Norms and Best Practices

These instructions were originally written for CSE 163, so you may see references to that course in the images. All instructions apply to CSE 142 in the same way. Thanks to Hunter Schaefer for developing these excellent instructions!

Accessing a Zoom Event

There are three main ways to access a Zoom event for CSE 142 described in the sections below. Choose whichever you find most convenient! **To access recordings of the lecture sessions, you will need to use the Zoom in Canvas option.**

When joining the call, if this is for a class session, you will automatically be added to the call assuming that the member of the course staff leading that session has started the call. If this is for office hours, you may be added to a waiting room and a course staff member will help you when they are available!

For further instructions, see UW-IT's documentation:

- [Sign into Zoom software on your computer](#)
 - **Important:** You will need to follow the instructions to "Login with SSO" so you can sign in with your UW Zoom account. For privacy reasons, only UW Zoom accounts will be allowed into our sessions.
- [UW Zoom FAQ](#)

Ed Links

In Ed, click on the down arrow icon to navigate to the Resources page.

ed CSE 142 - Discussion

Search

Categories

- CSE 142
- General
- Lectures
- Reviews
- Self-assessments
- Assignments
- Logins
- Other

No threads

Be the first to create a thread

Select a thread

Religious accommodations
Disability Resources for Students
Acknowledgements

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CSE 142, Autumn 2020

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This Week

Zoom

- Keep your microphone muted until called on
- Use the “Raise Hand” button to ask to speak



- Turn video on if you're comfortable!
 - I like seeing your faces. 😊
- Chat will usually be disabled in lessons
 - But we'll have other options...

Ed

- Our online learning platform
- Lessons, sections, labs, assessments all here
- Intro and walkthrough video forthcoming

The screenshot shows the Ed discussion platform interface for the course "CSE 142 - Discussion". The interface is divided into several sections:

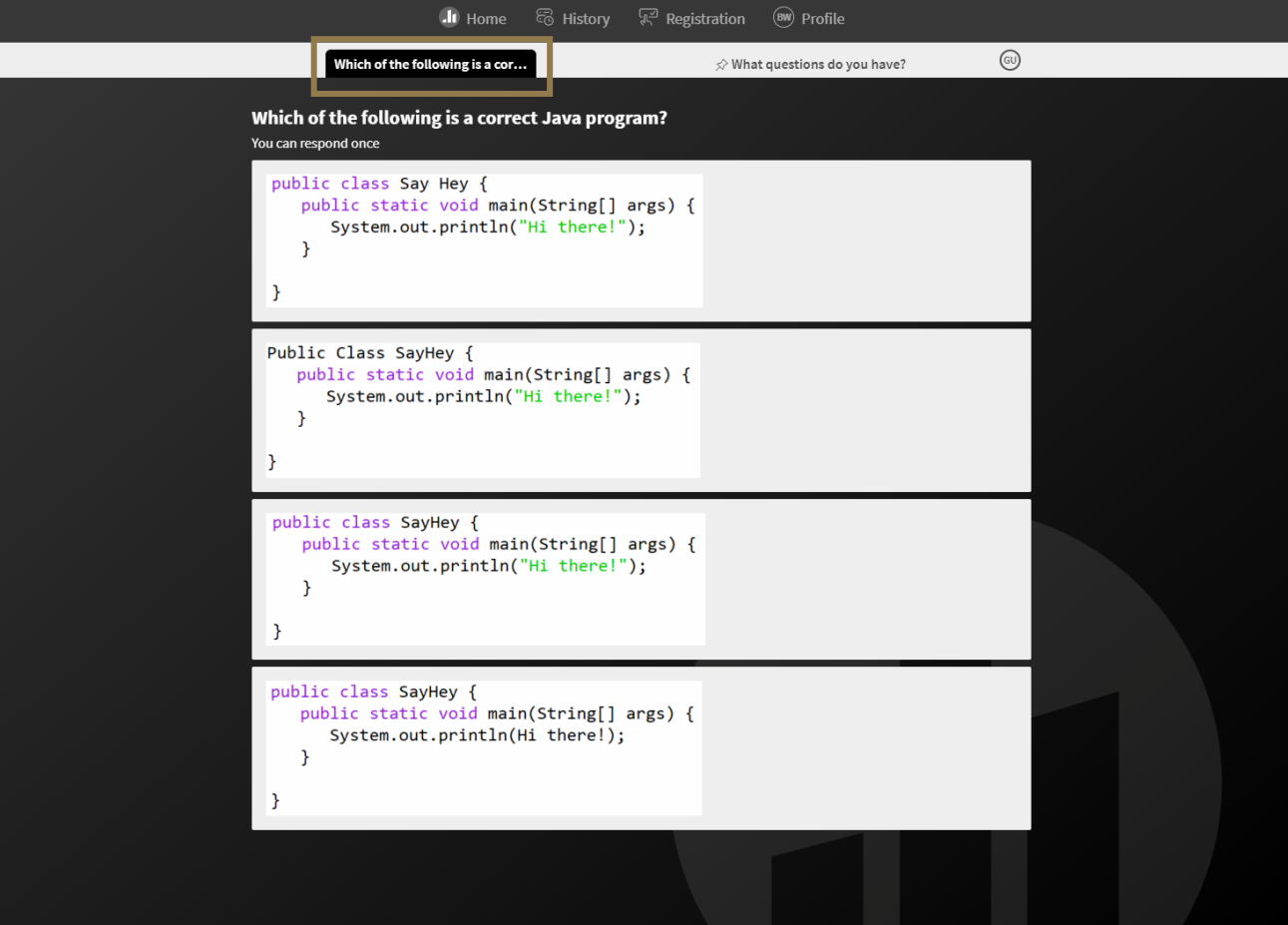
- Header:** "ed CSE 142 - Discussion" with navigation icons for download, chat, back, forward, print, bar chart, settings, home, notifications, and user profile.
- Left Sidebar:**
 - COURSES:** CSE 142 (selected), CSE 142 Staff, CSE 143 (1), CSE 492T.
 - CATEGORIES:** General (selected), Lessons, Sections, Labs, Take-home Assessments, Culminating Assessme..., Logistics, Social.
 - 91 others online**
- Main Content Area:**
 - Search:** Search bar with a "Filter" dropdown.
 - Pinned:**
 - Restoring Computing Seminar (General, Kevin Lin, INSTRUCTOR, 1d, 7 replies)
 - Welcome to CSE 142! (General, Brett Wortzman, INSTRUCTOR, 2d, 19 replies, 53 likes)
 - This Week:**
 - Time zones (Lessons, Anonymous, 2h, 1 reply)
 - Lecture Question (Lessons, Anonymous, 2h, 1 reply)
 - About the recordings (Lessons, Anonymous, 5h, 1 reply)
 - Joining Restoring Computing Seminar (General, Nicolas Matthew Suhardi, 10h, 3 replies)
 - 4th Ed vs 5th Ed (General, Anonymous, 14h, 1 reply)
 - Zoom (General, Nihal Sathi, 17h, 1 reply)
 - Question (Lessons, Anonymous, 20h, 1 reply)
- Right Panel:** A large area with a speech bubble icon and the text "Select a thread".

PollEverywhere

pollev.com/brettwo

Two purposes (at least):

- In-class activities
 - Short questions, problems, etc.
 - Usually multiple choice
 - *Not* graded
 - Not even on participation



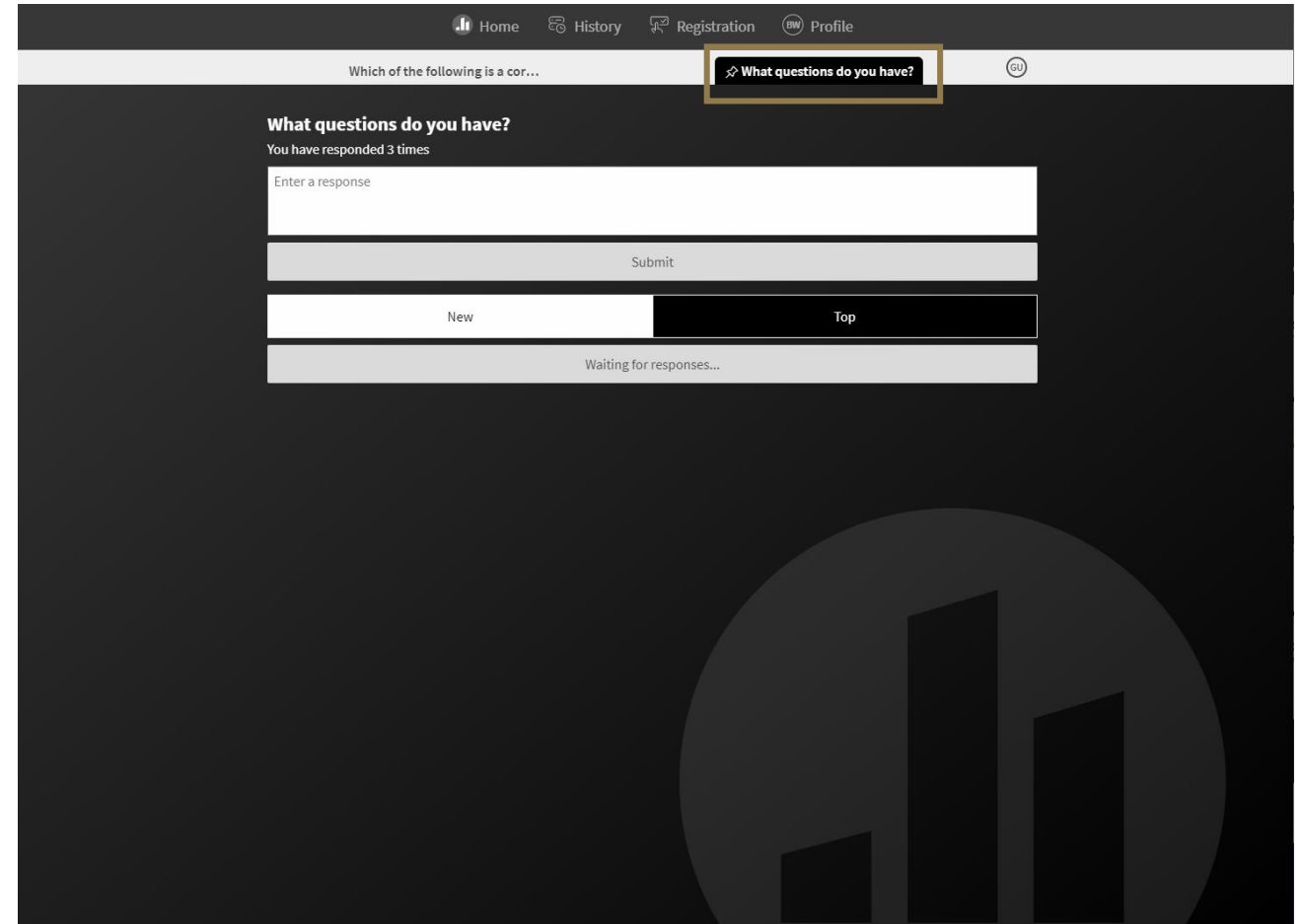
The screenshot shows a web browser interface for a poll. At the top, there are navigation links: Home, History, Registration, and Profile. Below that, a search bar contains the text "Which of the following is a cor...". The main content area displays the question: "Which of the following is a correct Java program?" and a note: "You can respond once". There are four options, each in a separate box with a light gray background and a dark border. Each option contains a Java code snippet for a class named "Say Hey" with a main method that prints "Hi there!". The code snippets are: 1. `public class Say Hey { public static void main(String[] args) { System.out.println("Hi there!"); } }` 2. `Public Class SayHey { public static void main(String[] args) { System.out.println("Hi there!"); } }` 3. `public class SayHey { public static void main(String[] args) { System.out.println("Hi there!"); } }` 4. `public class SayHey { public static void main(String[] args) { System.out.println(Hi there!); } }`

PollEverywhere

pollev.com/brettwo

Two purposes (at least):

- Questions backchannel
 - Ask questions at any time
 - I'll check periodically and respond
 - Some may be deferred
 - Answers will be posted on Ed after class



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- Collaboration

Assessment and Grading

- Our goal in the course is for you to **master the concepts and skills** we teach
- We assess your mastery by asking you to apply the concepts and skills on tasks or problems
- By necessity, we are assessing your *work* as a proxy for your *mastery*
- Your final grade should reflect **the extent to which you have demonstrated mastery of the course objectives**

Assessment

- Your learning in this course will be assessed in four ways:
 - Checkpoints (~weekly)
 - Short problems to help you practice and make sure you've got the basics for the week
 - **Take-home assessments (~weekly)**
 - **Large programming assignments to assess your full mastery of that week's concepts (plus some previous material)**
 - Culminating assessments (2/quarter)
 - Series of problems covering all material up to that point
 - Reflections (w/other assignments)
 - Written assignments to help you think critically about your learning and progress

Resubmission

Learning takes time, and doesn't always happen on the first try

- One previous take-home assessment can be **resubmitted** each week
 - Initial submission must have been made by original due date
 - Must be accompanied by a write-up describing changes
 - Grade on resubmission will replace original grade
- See the [syllabus](#) for more details

Grading

Grades should reflect your mastery of the course objectives

- Checkpoints, culminating assessments, and reflections are graded **S (Satisfactory)** or **U (Unassessable)**
 - If you submit on time and meet all requirements, you'll get an S
- Take-home assessments will be grade **E (Exemplary)**, **S (Satisfactory)**, **N (Not yet)**, or **U (Unassessable)** on four dimensions:
 - Behavior
 - Functional decomposition
 - Use of Language Features
 - Code Quality
- Final grades will be assigned based on the **amount of work at each level**
- See the [syllabus](#) for more details

Collaboration Policy

Learning is hard, but it's easier when you learn from each other

- You are encouraged to form study groups, work together on practice and review, and discuss your ideas and approaches **at a high level**
- If you discuss your ideas with others, you must **cite them**
- All work you submit for grading **must be your own**
- Any work found to not be your own will receive a grade of **U and may not be resubmitted**
 - If it's not your work, we can't assess your mastery from it
- See the [syllabus](#) for more details

Amnesty

Sometimes, we make bad choices that we regret

- “If you submit work that is in violation of the academic conduct policy, you bring the action to Brett's attention within 72 hours of submission and request amnesty. If you do so, you will receive a grade of U for the initial submission, but you **will be allowed to resubmit your work under the normal resubmission process.**”
- See the [syllabus](#) for more details