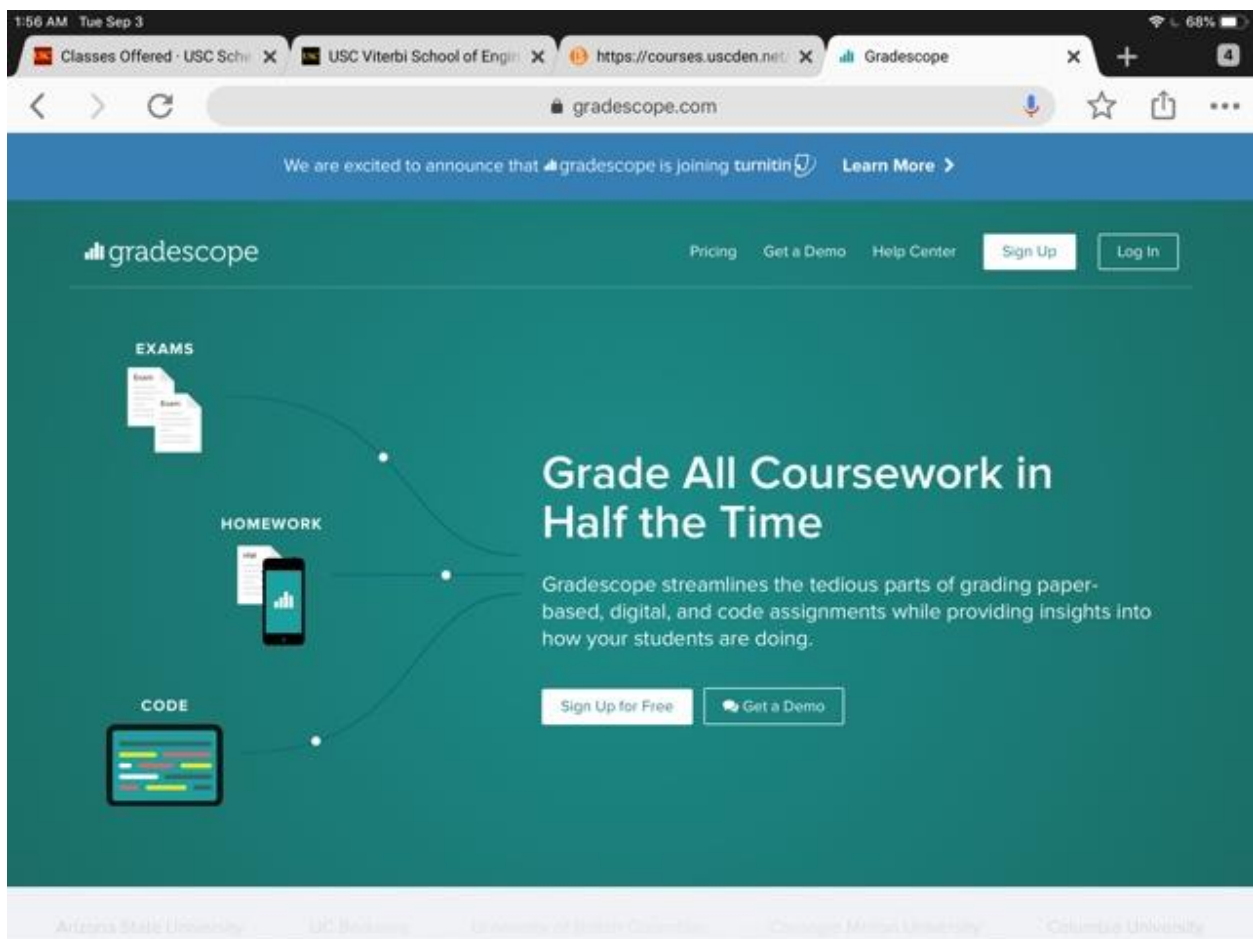


# Gradescope Homework Submission Tutorial

We have chosen Gradescope as our platform for homework submission and grading for this semester. Your Gradescope account will be ready when we post the first assignment, which should be by the end of this week. We'll let you know on Piazza and the course website when it's ready.

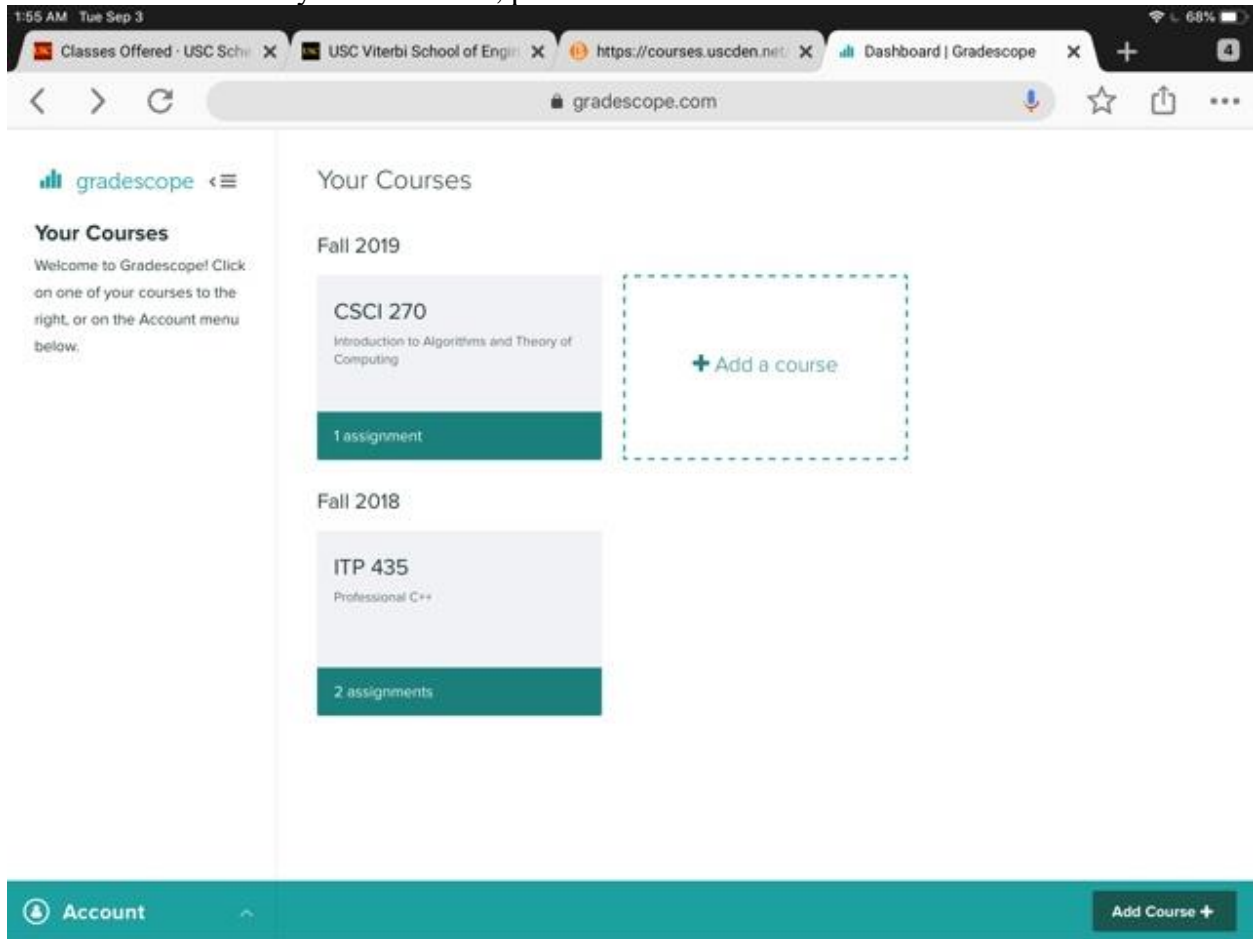
All assignments will be submitted and graded on Gradescope. You can view your grades and submit regrade requests here as well. However, this won't bring much difference to how you should complete the homework, except for the submission part. Here is a brief guide for submitting an assignment:

1. Go to [gradescope.com](https://gradescope.com) and login to your account. Your login email should be your USC email (the one that received our invitation). If you have received the email you can follow the instructions in it to set up your account. If you already have a Gradescope account, you should see CS 270 in your class list.



The screenshot shows the Gradescope website homepage. At the top, there is a navigation bar with the Gradescope logo, links for Pricing, Get a Demo, Help Center, Sign Up, and Log In. Below the navigation bar, there is a main heading: "Grade All Coursework in Half the Time". To the left of this heading, there are three icons representing different types of assignments: EXAMS (a document icon), HOMEWORK (a smartphone icon), and CODE (a code editor icon). Below the heading, there is a sub-heading: "Gradescope streamlines the tedious parts of grading paper-based, digital, and code assignments while providing insights into how your students are doing." At the bottom of the main content area, there are two buttons: "Sign Up for Free" and "Get a Demo". At the very bottom of the page, there is a footer with logos for several universities: Arizona State University, UC Berkeley, University of British Columbia, George Mason University, and Columbia University.

2. Click on CS 270. If you don't see it, please contact the course staff.

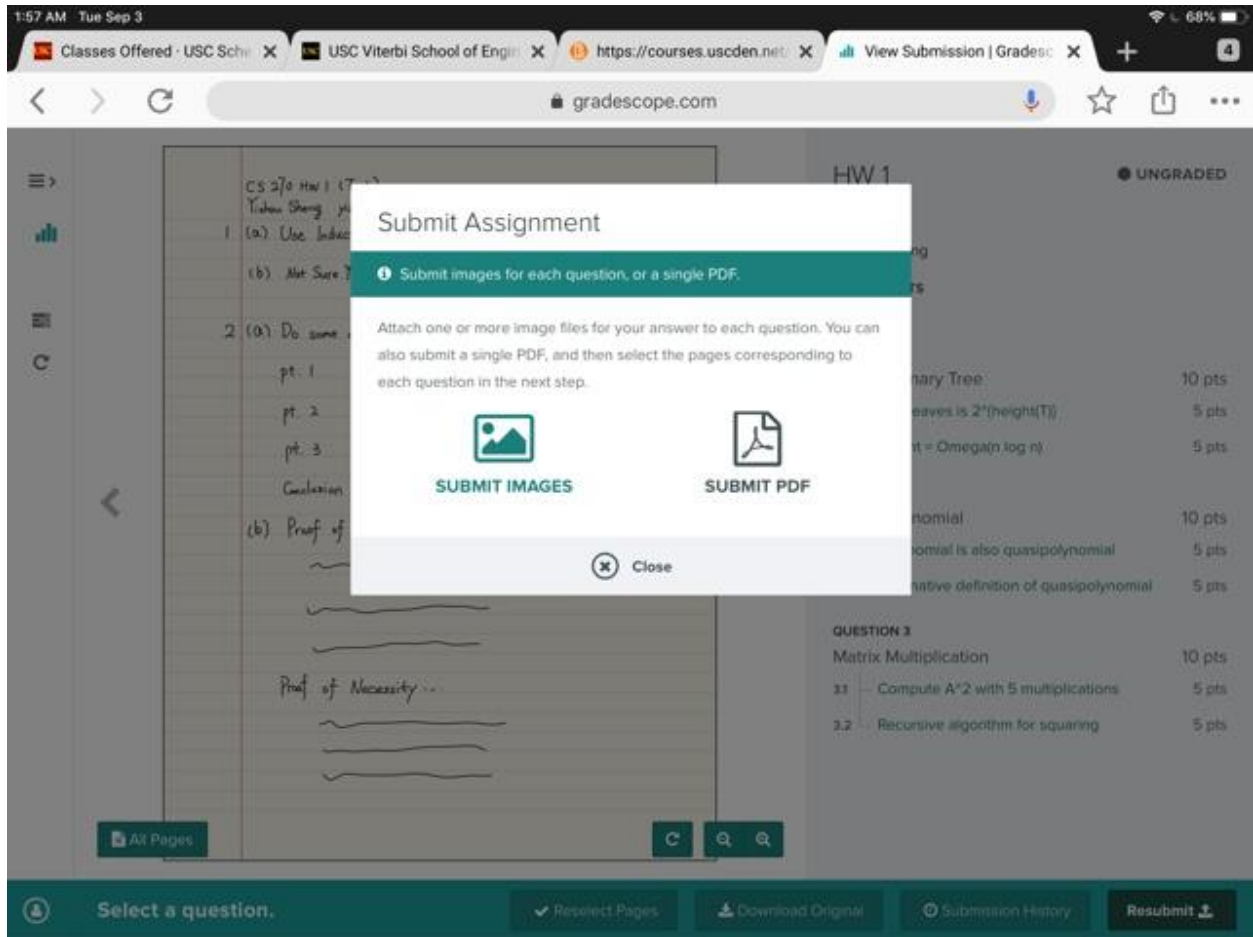


3. Click on the homework you'd like to submit. If you haven't submitted the homework you should see "Not Submitted".

The screenshot shows the Gradescope interface for the CSCI 270 Fall 2019 course. The left sidebar contains navigation links for 'CSCI 270', 'Dashboard', 'Regrade Requests', and 'INSTRUCTOR: Joseph Bebel'. The main content area displays the course description and a table of assignments. The 'HW 1' assignment is marked as 'Submitted' and has a progress bar showing '3 days, 10 hours left' until the due date of 'SEP 06 AT 12:00PM'. A 'LATE DUE DATE: SEP 11 AT 12:00PM' is also indicated.

NAME	STATUS	RELEASED	DUE (PDT)
HW 1	Submitted	AUG 30	SEP 06 AT 12:00PM LATE DUE DATE: SEP 11 AT 12:00PM

4. The system will let you choose to submit a single PDF or a set of pictures. You can choose either. Note that if you choose PDF, you must submit the entire homework in a single file. There are tools online and offline that can combine several PDFs into one if necessary.



5. The system would let you link your pages to the outline of the homework. Linking to the outline allows the grader to quickly locate your solution. We have a simple outline that lists each of the problems. To link a question to a page, click on the question description, then click on the pages where your solution is located. You can choose multiple pages for the same problem.

1:57 AM Tue Sep 3

Classes Offered · USC Sch... USC Viterbi School of Engi... https://courses.uscde... Select Pages for HW 1 | Gr... 4

gradescope.com

## HW 1 | Assign Questions and Pages

SUBMITTED AT: SEPTEMBER 3, 1:57 AM

Select questions and pages to indicate where your responses are located. Use **esc** to deselect all items and hold **shift** to select multiple questions.

### Question Outline

Select pages to assign to Question 1.1.

TITLE	POINTS
1 Rooted Binary Tree	10.0 pts
1.1 # of leaves is $2^{\text{height}(T)}$	5.0 pts
1.2 height = $\Omega(\log n)$	5.0 pts
2 Quasipolynomial	10.0 pts
2.1 Polynomial is also quasipolynomial	5.0 pts
2.2 Alternative definition of quasipolynomial	5.0 pts

1 **Q1.1** ×

2

Select pages to assign to Question 1.1. Assign Pages Sequentially Submit

6. After you have linked all your questions, click on “submit” on the bottom right to finally submit your homework. Note: you must click on “submit” to submit your homework. Several students forgot this final step each semester and lost points.

7. Review your submission. Make sure your answers are visible and correctly linked to the questions. You can resubmit an infinite number of times before the deadline. We will start grading after the homework is ultimately due (when submission is no longer allowed). Your score for the homework will be posted on Gradescope as soon as it’s ready.

The screenshot shows a web browser window with the URL `gradescope.com`. The main content area is split into two panels. The left panel displays a handwritten document on a yellow background with the following text:

CS 270 HW 1 (Test)  
 Yizhou Sheng yizhou@usc.edu  
 1 (a) Use Induction !!  
 (b) Not Sure Yet ...  
 2 (a) Do some calculations !!  
 pt. 1  
 pt. 2  
 pt. 3  
 Conclusion  
 (b) Proof of sufficiency ...  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Proof of Necessity ...  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

The right panel shows the question list for HW 1, which is currently ungraded. The total points are 30. The questions are:

QUESTION	Points
QUESTION 1: Rooted Binary Tree	10 pts
1.1 # of leaves is $2^{\text{height}(T)}$	5 pts
1.2 height = $\Omega(n \log n)$	5 pts
QUESTION 2: Quasipolynomial	10 pts
2.1 Polynomial is also quasipolynomial	5 pts
2.2 Alternative definition of quasipolynomial	5 pts
QUESTION 3: Matrix Multiplication	10 pts
3.1 Compute $A^2$ with 5 multiplications	5 pts
3.2 Recursive algorithm for squaring	5 pts

At the bottom of the interface, there is a teal bar with buttons for "Select a question.", "Reselect Pages", "Download Original", "Submission History", and "Resubmit".

If you have any questions about Gradescope and homework submission, contact Yizhou Sheng ([yizhoush@usc.edu](mailto:yizhoush@usc.edu)) or ask on Piazza. Contact the TAs and the professors if you have questions about grading or homework.

Notes:

1. According to the course policy, you are expected to type up your assignment in LaTeX starting from Homework 3. You can set up LaTeX locally on your computer by installing an editor or use an online tool. My personal choice is Overleaf ([overleaf.com](https://www.overleaf.com)), a free online editor for LaTeX. You can now log into Overleaf via your USC NetID to get a free Professional subscription. There are plenty of LaTeX tutorial online where you can reference, for example: <https://www.latex-tutorial.com/> [https://www.overleaf.com/learn/latex/Learn\\_LaTeX\\_in\\_30\\_minutes](https://www.overleaf.com/learn/latex/Learn_LaTeX_in_30_minutes) <http://www.newthinktank.com/2019/01/latex-tutorial/>  
 It may seem difficult to get used to LaTeX at first, but once you have the first homework written in LaTeX you can use it as a template for all future homework. LaTeX has better typesetting for formulas, graphs, and special symbols, which makes it ideal for proofs. You will use LaTeX again in future classes or in writing academic papers.

After you finished, you should generate a PDF file and submit it to Gradescope. DO NOT submit the LaTeX source. Also, check the PDF before submitting it to prevent compiling issues or format errors.

2. For the first two homework, you can handwrite your answers and scan it for submission. If you scan with your phone, try to do so with a scanner app to achieve a better resolution. Some free choices include Genius Scan, Adobe Scan, Microsoft Office Lens, etc. You can also write on your tablet using note-taking apps like OneNote, GoodNotes, and Notability.
3. If you'd like to submit pictures, DO NOT embed them into a Word or Pages document then generate a pdf from it. This will reduce image resolution and makes it hard to read for the graders. Instead, you can directly upload pictures using the "Submit Images" option on Gradescope.
4. More information can be found at <https://help.gradescope.com/category/cyk4ij2dwi-student-workflow>