Why use Gradescope?

Improves consistency when grading and providing feedback.

- Gradescope includes adaptable/automatic rubric updates that allows a change to the rubric to be applied to previously graded work. For example, when halfway through grading a stack of open-ended homework questions and it's clear that most students struggled with a concept, instructors can adjust the rubric and Gradescope automatically re-grades the problem for all previously graded students.

Facilitates detailed feedback to students.

- Gradescope's rubrics allow for easy feedback to students on common mistakes. Very specific text feedback to individual students is also easily entered and can be re-used (and modified) as needed. The written feedback is not limited to what can easily be put in the margin of a paper-based test. The time required to provide detailed feedback for a large class is significantly reduced compared to handwritten feedback.

Frees up class time.

- Does not require class-time to hand back papers to students. Class time can be spent on-task instead of dealing with logistics. Regrade requests are also handled within the Gradescope tool, rather than at the end of class or in office hours.

More efficient than grading paper copies by hand.

- Utilizing Gradescope can save instructors and teaching assistants up to 75% of the time versus traditional grading of handwritten assignments.
- Whether grading in Gradescope or on paper, the typical workflow is to grade one problem at a time. On paper, this requires a lot of manipulation of paper, particularly for multiple page assignments or exams. In Gradescope, a single keystroke advances the view to the next paper with the focus already on the relevant part of the page.
- Multiple instructors can work on exams at the same time from different physical locations. You can easily grade 100 papers while sitting in an airplane seat or at a coffee shop.
- Gradescope can automatically group student answers so that instructors can quickly see correct vs. incorrect responses. Instructors can see all student responses at a glance in a grid and quickly drag/drop responses to the corresponding grouping. Then all similar answers can be graded in one quick step!
- Points are automatically recorded and summed for each paper, removing the need to do this as a separate step. (Accuracy is also improved by automated grading!)
- Papers are easily and quickly associated with individual students; integration with Canvas removes the need to enter scores manually into the gradebook. Furthermore, there's no need to alphabetize so you can file student work – they can see their work with their scores (and the other rubric items so they can see what each element/mistake was worth)

Students can "show their work" to complex problems with very limited amount of technology overhead.

- Students can handwrite complex formulas or equations and show the steps to a solution without needing to know how to enter or code them into additional programs and/or Canvas.

Grade questions that require higher order thinking vs. M/C or T/F more efficiently.

- Gradescope allows for efficient grading of open-ended questions that would not be possible in larger class sections.

Digitization of written work helps prevent privacy/FERPA concerns.

- Digitizing paper-based work also centralizes the student work so that TAs don't need keep track of papers if assisting with grading. Can be graded from anywhere an instructor or TA can access the internet.

Canvas integration streamlines accounts, student management and automated grade pass-back to Canvas.

- Integration with Canvas allows for centralized access to Gradescope for instructors and students. Canvas integration also enable grades/scores to be seamlessly passed from gradescope to the Canvas gradebook.

Integrity

- A digital copy of submitted work provides a record of what was submitted reducing or eliminating questions of academic misconduct and grade challenges.

Replacement of outdated Scantron hardware and software.

- Gradescope supports the use of "bubble-sheet" exams and is a direct replacement for Scantron exams. Bubble sheets can easily be printed on standard 8.5x11 paper and scanned on any regular scanner. Steps to use Gradescope bubble sheet are available.

Well regarded and utilized by several Mines faculty and peer institutions.

Gradescope has been used in over 400 courses by 300 instructors or teaching assistants. The positive outcomes for Mines instructors' mirrors what colleagues at other institutions have experienced:

https://canvas.yale.edu/spotlight/gradescope-how-i-use-it-and-why-i-love-it

https://youtu.be/-94S0zgBmgY

https://wheel.ucdavis.edu/blog/uc-davis-faculty-testimonials-gradescope