While we are coming together today in a virtual space, it is important to recognize the physical space that connects us and brings us together. The University of Guelph and its campuses are situated on the treaty lands of the Mississaugas of the Credit. We understand that these lands are connected by the Dish with One Spoon Wampum and continue to be home to diverse communities of First Nations, Inuit and Métis Peoples. By acknowledging the land, we reaffirm our commitment to decolonization and reconciliation with Indigenous peoples and our responsibility to the land on which we live, learn, and play.
TODAY’S AGENDA

• Overview of Exams & Quizzes
• Setting up
• Creating an Exam/Quiz
• Printing
• Scanning and Uploading
• Assessment
• Review & Release Grades
• Regrade Requests
• A Final Note: Gradescope vs. CourseLink
• Support Options
• Question & Answer Period (optional)
OVERVIEW OF GRADESCOPE EXAMS & QUIZZES
Instructor prints and distributes copy of exam in class

Instructor scans and uploads exams

Instructor evaluates exam through Gradescope

Short Handwritten Answer (10 marks)

Solve the equations below by factoring:

11. \( u^2 - 5u - 14 = 0 \Rightarrow \underline{ } \)

12. \( x^2 + 15x = 0 \Rightarrow \underline{ } \)

13. \( x^2 - 16x + 61 = 2x - 20 \Rightarrow \underline{ } \)
SETTING UP: EXAM & QUIZ
ACCESSING GRADESCOPE

- Gradescope can be accessed in two ways:
  1. Via the CourseLink Integration (Content tool)
  2. Directly via gradescope.ca using SSO
**Gradescope’s CourseLink Integration (Recommended)**

- The CourseLink Integration allows you to:
  - **Connect** your course site to an existing Gradescope course/assignment or create a new Gradescope course/assignment
  - **Sync** your CourseLink “Classlist” to the Gradescope “Roster”
  - Automatically **create** grade items associated with the Gradescope assignment in CourseLink’s Grades tool
  - **Export** scores from Gradescope assignments to their associated CourseLink grade item
CREATING AN EXAM/QUIZ

Gradescope

Add dates and restrictions...
Add a description...

Upload/Create
Existing Activities
Bulk Edit

Demo - Final Exam
Demo - Exam

Exam/Quiz

Create Assignment

ASSIGNMENT TYPES

Exam/Quiz
Homework/Problem Set
Bubble Sheet
Programming Assignment
Online Assignment

Exam / Quiz

Instructors administer an assessment then collect and scan student work. Students answer each question in designated regions.

Learn More

Next
**Note:** The assignment name will be visible in CourseLink (Content & Grade Item).
Recommendations when using the CourseLink Integration

- **Hide** the content module or item for final exams
  - You will maintain access, but students won’t see the link, which can avoid confusion (when not providing feedback through Gradescope)
- Otherwise, keep the module **visible** so students can review feedback
**Recommendations for when using the CourseLink Integration**

- Go to **Manage Grades** after creating the exam/quiz to hide the grade item Gradescope creates and adjust its max points value (defaults to 1)
  - If you are unsure of your max points value, come back and adjust when you know (before exporting)
Recommendations for when using the CourseLink Integration

- If it is your first/only Gradescope assignment, be sure to access Gradescope and **sync the Roster with the Classlist**
  - If you do this early in the semester, you may want to re-sync closer to the assessment to ensure you have the most up-to-date roster on Gradescope
DEMO

• Setting up the CourseLink integration
• Creating a new Exam/Quiz
• Hiding the content module/content item
• Hiding the grade item/adjusting max points
• Accessing Gradescope from Content
• Importing the CourseLink Classlist to the Gradescope Roster
CREATING AN EXAM IN GRADESCOPE
EDIT THE OUTLINE

Mock Assessment

Student Name: Student ID:

True/False (6 marks)

1. Two lines with positive slopes can be perpendicular.
   - True
   - False

2. The associative property is used to write:
   \[ 4x + 8y = 4(x + 2y) \]
   - True
   - False

- Presented with the PDF template uploaded during the creation phase
• Drag and resize yellow boxes to mark the name and ID regions
EDIT OUTLINE – ADD QUESTIONS AND POINT VALUES

- Add question regions with green/grey boxes
- Add to template using the + new question option
- Adding question titles makes identifying questions during assessment easier
- Input point values for each question
**EDIT OUTLINE – TIPS**

- Try to ensure the name and ID regions won’t overlap.
- Provide an underline space (_________________) to help make sure students enter their names where you have set the region boxes.
- Avoid the top-right corner for these regions (should you decide to enable labelled printouts).
DEMO

• Edit exam outline
  – Add name and ID regions
  – Add question regions
  – Add question titles and point values
PRINTING
**Exam Printing/Copying**

Gradescope supports two options for creating exam booklets:

1. Print **copies** of a blank exam booklet
2. Print and subset staple **labelled booklets** (beta feature)
LABELLED PRINTOUTS (BETA)

- Uses the page labels to automatically group the pages of each student’s submission together, no matter the order they were scanned or uploaded in.
- Helpful for larger courses to ensure exam booklets stay together.
IMPORTANT NOTE ABOUT LABELLED PRINTOUTS

• Must request this feature by contacting help@gradescope.com
SCANNING AND UPLOADING
Scanning

- Gradescope requires a PDF file for upload, providing you a couple options for scanning
  - At-home on a **personal scanner** with document feeder
    - Smaller courses with a limited number of scans
  - Using a **department printer/scanner**
    - Larger courses where a higher throughput scanner is required
- CCS will not be providing a scanning option beyond single page bubble sheets
IMPORTING SCANNED BOOKLETS

- After the exam has been completed and scanned, the PDF file(s) are added to the exam/quiz assignment through the Manage Scans page
IMPORTING SCANNED BOOKLETS

• Gradescope then splits the scans into their appropriate pages by student
  – If any pages are not split correctly, you can manually adjust them
  – Can rotate pages if orientation is wrong
• When everything looks good, click Manage Submissions to match the scans to students
Manage Submissions

• On the Manage Submissions page, Gradescope uses advanced text recognition to auto-assign completed exams to students listed on the Gradescope roster
**MANAGE SUBMISSIONS**

- If a match cannot be found automatically you will be prompted to match manually for unmatched students
  - This process restricts matching options to students who are not already matched, simplifying the process

- Once the exams are matched, click **Grade Submissions** to begin the grading process
DEMO

• Manage Scans
  – Upload booklets
  – Check split points

• Manage Submissions
  – View the auto-assign process
  – Manually match unassigned submissions
GRADE SUBMISSIONS

• Designed to grade by question
• Option to enable anonymous grading
• Rubric grading system
  – Both positive and negative scoring rubrics are available
  – Can import a rubric from a previous assignment/question or build on the fly
  – Rubric items support Markdown and LaTeX
• Commenting and annotations are available
### Grade Submissions

To begin grading, click on the name/number of the question you want to start with.

**Tip:** Adding a question name during the Edit Outline phase makes it much easier to select the question for grading.

<table>
<thead>
<tr>
<th>QUESTION</th>
<th>POINTS</th>
<th>PROGRESS</th>
<th>GROUPED BY</th>
<th>GRADED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Positive slopes</td>
<td>10</td>
<td></td>
<td></td>
<td>0%</td>
</tr>
<tr>
<td>2: Associative property</td>
<td>10</td>
<td></td>
<td></td>
<td>0%</td>
</tr>
<tr>
<td>3: Vertical line</td>
<td>10</td>
<td></td>
<td></td>
<td>0%</td>
</tr>
<tr>
<td>4: Factoring</td>
<td>10</td>
<td></td>
<td></td>
<td>0%</td>
</tr>
</tbody>
</table>
SELECT GRADING METHOD – MANUAL OR ANSWER GROUPS
AI ASSISTED GRADING – ANSWER GROUPS

- AI attempts to categorize all answers
- You confirm the groups are accurate
- Option to provide a name (e.g., a group named “True”)
GRADING WITH A RUBRIC

- Build entire rubric when you start grading or build on the fly
- Apply item by clicking on the number or using the number keys on your keyboard
- Entire grading team has access to rubric
- Next ungraded will take you to the next exam needing an assessment
**IMPORT A RUBRIC**

- Can import a previously created rubric from any other course/assignment/question
ANNOTATIONS

- Freeform (pencil) and text options available
- Can associate rubric items with comments
- Can reuse comments
DEMO

• Grade Submissions
  – AI assisted grading
  – Grading with a rubric
  – Commenting and annotation options
REVIEW & RELEASE GRADES
**Review Grades**

- Histogram of class results along with some basic statistics
- Below is a sortable list of all students and their grades
EXPORTING GRADES TO COURSELINK

- To send the scores from Gradescope to CourseLink, simply click the Post Grades to CourseLink button
  - Remember to ensure the max points of the grade item matches the score total for the exam/quiz
  - If the grade item is hidden, students will not see their score or receive a notification
**Publish Grades**

- Provides students with access to their exam/quiz paper and the rubric items through Gradescope
- Once grades are published:
  - Indicator in top right corner says *Grades Published*
  - Bar at bottom now has option to *Unpublish Grades*
  - Option to **Compose Email to Students** to notify them
- **Note:** This feature should not be used for final exams
A certain function $y = f(x)$ satisfies $f(2) = 4$, $f'(2) = 3$.

1. Determine an equation for the tangent line at $x = 2$.
2. Find both x and y intercepts of the tangent line.
3. Graph the tangent line.

Both x and y intercepts were accepted as correct answers.
• Easily view how students performed on each question compared to the assignment mean
• Pull out questions/topics for in-class review
Statistics – by Tag

- Statistics can be sorted by Tags
- Can help to identify content or learning objectives where student performance differed greatly from the average
DEMO

• Review Grades
  – Summary statistics
  – Post grades to CourseLink
  – Publish Grades (allow students to view their exam)
    • Send notification email to students

• Statistics
  – By question versus by tag
R E G R A D E  R E Q U E S T S
**Regrade Requests – Optional Feature**

- Possible once grades are **Published** within Gradescope
- Allows you to easily collect requests in a single dashboard and respond
- Regrade requests are made by students per question, and they must provide an explanation for the request
- Option to fully disable or enable for a specific window of time (enabled by default)
17. A certain function $y = f(x)$ satisfies $f(0) = -1$, $f'(0) = 0$. If $f$ is differentiable at $x = 1$, determine an equation for the tangent line of $f$ at $x = 1$.

(a) $f(x) = x^2 - x - 2$ (b) $f(x) = x^2 - 1$

(b) Two factors of the tangent line:
- $x = 1$
- $y = 0$

(c) Graph the tangent line.
INSTRUCTOR VIEW

• When students submit a regrade request, the grader who last graded the submission will receive an email detailing the request and how to view it. You can change your regrade request email notification preferences from your account settings or from the assignment’s Regrade Requests page.
INSTRUCTOR VIEW

- All graders may review regrade requests via the Regrade Requests page within the assignment.
A FINAL NOTE: COURSELINK VS GRADESCOPE
| Flexible design – answers can be in the form of charts, graphs, diagrams, etc. | Answers are limited to standard question types |
| Written in class on paper by student | Completed online by student |
| Uploaded by instructor | Submitted online by student |
| Must be manually evaluated or prompted to use AI for multiple choice, true/false, etc. | All multiple choice, true/false, select all type questions are graded instantly |
| Flexible rubrics, as well as reusable comments and annotations, can be associated with each question | Rubrics, reusable comments, and annotations are not available |
SHOULD I USE GRADESCOPE OR COURSELINK QUIZZES?

Questions to consider:

Is this a high stakes exam? Yes

Is this a low stakes/material review quiz? Yes

Do I want to provide detailed feedback? Yes

Are the bulk of the questions written response (long/short answer, essays)? Yes

Are the questions mostly multiple choice, T/F, select all, etc.? Yes
SHOULD I USE GRADESCOPE OR COURSELINK QUIZZES?

Summary:
• Use Gradescope for high stakes exams/quizzes
  • CourseLink does allow for Lockdown Browser for additional security
• Use CourseLink for material review (i.e., as 'flashcards' to help students practice concepts)
• Use Gradescope for providing detailed feedback
• Use Gradescope if bulk of assessment is written response
• Use CourseLink if questions are mostly multiple choice, T/F, etc.
GRADESCOPE PROGRAMMING

Past Sessions (recordings and slides available):

• Get to Know Gradescope Series
  – Introduction to Gradescope
  – Introduction to Bubble Sheets
  – Introduction to Exams/Quizzes
  – Introduction to Homework & Problem Sets
  – Introduction to Online Assignments

• Introduction to Programming Assignments
• Prepare for Gradescope Bubble Sheets
• Gradescope for Assessment of On-Paper Assignments and Tests
• Transitioning from Crowdmark to Gradescope for On-Paper Assessments
GRADESCOPE PROGRAMMING: F22 SESSIONS AND SUPPORT

Ongoing Sessions:
- **Online Gradescope Drop-Ins** (via Zoom)
  - Tuesdays (10-11 am)
  - Wednesdays (2-3 pm)
- **Weekly Online Workshop** (Run by Gradescope)
  - Thursdays at noon

Visit our OpenEd support site for a complete list of F22 programming.
QUESTION AND ANSWER PERIOD