INTRODUCTION TO HOMEWORK ASSIGNMENTS

Get to Know Gradescope Series
LAND ACKNOWLEDGEMENT

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 is located within the Between the Lake Treaty (1792); the treaty lands and territory of the Mississaugas of the Credit. Today, this land continues 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, the Truth and Reconciliation Commission’s Calls to Action, and our collective responsibility to the land on which we work and learn.
AGENDA

• Homework versus other available tools
  – Vs. Gradescope Exam/Quiz
  – Vs. CourseLink Dropbox
• Setting up
• Creating a Homework Assignment
• Submission process
  – Student submission
  – Proxy submission by instructor or TA
• Grading
• Releasing Grades
WHY GRADESCOPE HOMEWORK ASSIGNMENTS?
GRADESCOPE HOMEWORK & PROBLEM SETS

• A very flexible assignment type
• Designed with student submission in mind
• Variable length (default) or fixed length options
  – Variable length: list of textbook/workbook questions
  – Fixed length: worksheet
• Release date and due date
• Optional time limits
### VS. Gradescope Exam/Quiz

<table>
<thead>
<tr>
<th>Exam/Quiz</th>
<th>Homework &amp; Problem Sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed length</td>
<td>Variable or fixed length</td>
</tr>
<tr>
<td>Instructor upload</td>
<td>Student upload</td>
</tr>
<tr>
<td>Anonymous grading</td>
<td>Anonymous grading</td>
</tr>
<tr>
<td></td>
<td>--- Release, due, &amp; late due dates</td>
</tr>
<tr>
<td></td>
<td>--- Enforced time limit (optional)</td>
</tr>
<tr>
<td>Individual submissions</td>
<td>Individual or group submissions</td>
</tr>
</tbody>
</table>
### VS. COURSELINK DROPBOX

<table>
<thead>
<tr>
<th>Gradescope Homework</th>
<th>CourseLink Dropbox</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release date</td>
<td>Start date</td>
</tr>
<tr>
<td>Due date</td>
<td>Due date</td>
</tr>
<tr>
<td>Late due date</td>
<td>Accept late submissions</td>
</tr>
<tr>
<td>Enforce time limit</td>
<td>---</td>
</tr>
<tr>
<td>PDFs or image files</td>
<td>Documents, PPT, images, etc.</td>
</tr>
<tr>
<td>Extensions</td>
<td>Special Access</td>
</tr>
<tr>
<td>Grade by question</td>
<td>Grade by submission</td>
</tr>
<tr>
<td>Regrade requests (optional)</td>
<td>---</td>
</tr>
</tbody>
</table>
Which option should I use?

- Structured, in-class assessment
  - Gradescope Exam/Quiz
- Semi-structured homework
  - Gradescope Homework/Problem Set
- Semi-structure take-home assignment
  - Gradescope Homework/Problem Set
- Lab report or essay
  - CourseLink Dropbox
ACCESSING GRADESCOPE

- Gradescope can be accessed in two ways:
  1. Via the CourseLink Integration (Content tool)
  2. Directly via gradescope.ca using SSO
ABOUT GRADESCOPE’S COURSELINK INTEGRATION

• 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
ACCESSING GRADESCOPE VIA SSO

• The Gradescope SSO login allows you to:
  – Create a new Gradescope course/assignment
  – See and manage any Gradescope courses/assignments you have at UofG,
    • Includes those created through the CourseLink integration

• To get the most out of Gradescope, the integration is recommended
RECOMMENDATIONS USING THE COURSELINK INTEGRATION WITH HOMEWORK/PROBLEM SETS

• **Unhide** the content module or item when you add the homework assignment to in CourseLink

Gradescope

Add dates and restrictions...

Add a description...

[Upload / Create] [Existing Activities] [Bulk Edit]

Demo - Final Exam

This is a link to a Gradescope assignment.
RECOMMENDATIONS USING THE COURSELINK INTEGRATION WITH HOMEWORK/PROBLEM SETS

• Go to **Manage Grades** after creating the assignment 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 USING THE COURSELINK INTEGRATION WITH HOMEWORK/PROBLEM SETS

• If it is your first 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

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**Course Roster**

<table>
<thead>
<tr>
<th>FIRST &amp; LAST NAME</th>
<th>EMAIL</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owen Wooding</td>
<td><a href="mailto:owooding@uoguelph.ca">owooding@uoguelph.ca</a></td>
<td>Instructor</td>
</tr>
</tbody>
</table>

You haven't added anyone to your course yet. Add students or other instructors to your course.

- [Sync CourseLink Roster]
- [Add Members]
DEMO

- Creating a Homework/Problem Set Assignment
- Hiding the grade item/adjusting max points
- Accessing Gradescope from Content
- Syncing CourseLink classlist to Gradescope roster
CREATING A HOMEWORK ASSIGNMENT
CREATE AN EXAM/QUIZ ASSIGNMENT

Gradescope

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

- Upload/Create
- Existing Activities
- Bulk Edit

- Demo - Final Exam
  - External Learning Tools
  - This is a link to a Gradescope

- Demo - Exam
  - External Learning Tools
  - This is a link to a Gradescope

5 Assignments

<table>
<thead>
<tr>
<th>Name</th>
<th>Points</th>
<th>Released</th>
<th>Due (EDT)</th>
<th>Submissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demo - Homework</td>
<td>18.0</td>
<td>MAR 14</td>
<td>MAR 18 AT 11:00PM</td>
<td>0</td>
</tr>
<tr>
<td>Demo - Final Exam</td>
<td>28.0</td>
<td>MAR 14</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Demo Labelled Printouts</td>
<td>1.0</td>
<td>MAR 11</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Mock Final Exam</td>
<td>33.0</td>
<td>MAR 08</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Test - Bubble Sheet</td>
<td>20.0</td>
<td>MAR 08</td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Create Assignment
HOMEWORK ASSIGNMENT WORKFLOW

• Each Homework/Problem Set will follow the same basic workflow
• When you select the assignment from the Dashboard, Gradescope will automatically take you to the next section requiring completion
• You can also select a specific section to move forwards or backwards
  – E.g., update the outline
• Additional Extensions option
EDIT OUTLINE

Mock Assessment

Short Handwritten Answer (10 marks)

Solve the equations below by factoring:
1. \( u^2 - 5u - 14 = 0 \Rightarrow \) __________
2. \( x^2 + 15x = 0 \Rightarrow \) __________
3. \( x^2 - 16x + 61 = 2x - 20 \Rightarrow \) __________
4. \( 12x^2 = 25x \Rightarrow \) __________
5. \( t^5 = 9t^3 \Rightarrow \) __________

Long Handwritten Answer (13 marks)

• Create questions, but location not indicated for **variable length** assignments
• Can adjust point totals & create sub questions like an Exam/Quiz
EXTENSIONS

• Note: This is an assignment-specific adjustment
EXTENSIONS

• Option to update the
  • Release date
  • Due date
  • Late Due Date
  • Time Limit
• Extensions can be updated or deleted after creation
DEMO

- Edit outline
- Set an extension
SUBMISSION PROCESS
**STUDENT SUBMISSION**

- Students begin the submission process by accessing Gradescope
  - Via CourseLink
  - Logging in directly with their school credentials
- This will bring them to the student dashboard
**STUDENT SUBMISSION**

- Student select the name of the assignment to arrive at the submission page

- Two options
  - Attach image files to specific questions
  - Submit a **single** PDF with all their work
**STUDENT SUBMISSION – PDF**

Students match each question to the corresponding page where the answer is found

- Multiple questions per page is allowed

Once completed, select **Submit**
STUDENT SUBMISSION – IMAGES

- Students take pictures of their work with cell phone camera
- Image file(s) uploaded for each question
- Can reuse files multiple times

Submit Images for Demo Homework - delete

Attach one or more image files for your answer to each question. If your upload fails, please make sure that your images are a supported file type (JPG, GIF, PNG, HEIC). Renaming a file's extension will not change the file's format and will likely cause an error.

1: FACTOR 1
- Please select file(s) - Select image(s)

2: FACTOR 2
- Please select file(s) - Select image(s)

3: FACTOR 3
- Please select file(s) - Select image(s)

4: FACTOR 4
- Please select file(s) - Select image(s)

5: FACTOR 5
- Please select file(s) - Select image(s)

6: VELOCITY
- Please select file(s) - Select image(s)
Demo - Homework submitted successfully!

A receipt of your submission has been sent to cacreigh@uoguelph.ca. You can resubmit any number of times until the due date (Mar 18).

Once graded, click a question to view the grading rubric and you will have the option to submit a regrade request (if your instructor has enabled it).
COMMON UPLOAD ISSUES

• Incorrect file types
  – Single PDF or
  – Multiple image files: jpg/jpeg, png, gif, or heif/heic only

• Incorrect image file size
  – Image files must be < 100 MB

• Navigated away too quickly after upload

• Missed the assignment deadline
  – Ensure sufficient upload time, especially for slower connections
**Proxy Submission**

- From the **Manage Submissions** page, an Instructor or TA can submit a single PDF on behalf of a student.
DEMO

- Student submission process
- Proxy submission by Instructor/TA
GRADE SUBMISSIONS
GRADING 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 available
To begin grading, select the name/number of the question you wish to begin with or select **Next Question**.
GRADE SUBMISSIONS

- 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

Import Rubric

Select a rubric from another question to import.

<table>
<thead>
<tr>
<th>ASSIGNMENT</th>
<th>QUESTION</th>
<th>RUBRIC PREVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gradescope_Demo</td>
<td>13</td>
<td>+5.0 Correct</td>
</tr>
<tr>
<td>Demo - Homework</td>
<td>14</td>
<td>+2.0 Partial response</td>
</tr>
<tr>
<td>Demo - Final Exam</td>
<td>15</td>
<td>-2.0 Does not show work</td>
</tr>
<tr>
<td>Demo Labelled Printouts</td>
<td>16</td>
<td>+0.0 No responses</td>
</tr>
<tr>
<td>Mock Final Exam</td>
<td>17.1</td>
<td></td>
</tr>
<tr>
<td>Test - Bubble Sheet</td>
<td>17.2</td>
<td></td>
</tr>
<tr>
<td>View all Courses...</td>
<td>17.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

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

• Grade Submissions
  – Rubric options
  – Annotations
  – Commenting
REVIEW & RELEASE GRADES
Review Grades for Demo - Homework

Minimum: 1.5
Median: 10.0
Maximum: 12.0
Mean: 8.55
STD DEV: 4.2

11 Students

- Alex Karfoot: alex@gradescopegradedemo.ca, Score: 12.0, Viewed: Yes, Course: Mar 15 at 10:52 AM
- Auston Matthews: auston@gradescopegradedemo.ca, Score: 12.0, Viewed: Yes, Course: Mar 18 at 3:23 PM
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 homework assignment
  – If the grade item is hidden, students will not see their score or receive a notification
PUBLISH GRADES

• Provides students with access to their homework assignment 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
• Beneficial for providing students with formative feedback on their homework if not associated with a grade item in CourseLink
REGRADE REQUESTS

- Possible once grades are **Published** within Gradescope
- Allows you to easily collect requests in a single dashboard and respond
- Option to fully disable or enable for a specific window of time
ASSIGNMENT STATISTICS

Assignment Statistics

Demo - Homework 18.0 points

<table>
<thead>
<tr>
<th>QUESTION</th>
<th>POINTS</th>
<th>MEAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Factor 1</td>
<td>10 point</td>
<td>77%</td>
</tr>
</tbody>
</table>

MINIMUM  8.33%  MEDIAN  55.56%  MAXIMUM  66.67%  MEAN  47.47%  STD DEV  23.32%
QUESTION STATISTICS

Q 7: SA 2 5 points

<table>
<thead>
<tr>
<th>MINIMUM</th>
<th>MEAN</th>
<th>MAXIMUM</th>
<th>MEAN</th>
<th>STD DEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td></td>
<td>5.0</td>
<td>3.36</td>
<td>2.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RUBRIC</th>
<th>POINTS</th>
<th>PERCENTAGE OF STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equation Correct</td>
<td>+ 2.0</td>
<td>72%</td>
</tr>
<tr>
<td>X intercept correct</td>
<td>+ 1.0</td>
<td>72%</td>
</tr>
<tr>
<td>Y intercept correct</td>
<td>+ 1.0</td>
<td>45%</td>
</tr>
</tbody>
</table>
DEMO

• Review Grades
  – Post grades to CourseLink
  – Publish grades
• Regrade Requests
  – Enabling/disabling
  – Student submission process
• Statistics
  – Assignment statistics
  – Question statistics
GRADESCOPE SUPPORT

• Pilot Participation Requests
  – Instructional Technology Specialist (ITS) Team: insttech@uoguelph.ca

• General Gradescope Support
  – CourseLink Support: courselink@uoguelph.ca or x.56939

• Documentation
  – OpenEd Documentation and Support Site (currently under construction)
THE GET TO KNOW GRADESCOPE SERIES

- 5 sessions over the course of March
  - Introduction session, bubble sheet session, & exam/quiz session (recording available)
  - Today’s homework/problem set session (recording available soon)
  - 1 additional sessions on other assignment types:
    - Online Assignments (Mar. 29)
    - Register: https://opened.uoguelph.ca/instructor-resources/winter-2022-programming#Gradescope
  - Further programming will follow in S22 and F22