

# TRANSITIONING FROM SCANTRON TO GRADESCOPE BUBBLE SHEETS – MULTIPLE VERSION ANSWER KEYS

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Sharon Findlay and Adam Schmidt  
eLearning Technical Support Assistants

# 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 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

- Why do I need to transition to Gradescope Bubble Sheets?
- Accessing Gradescope (CourseLink Integration)
- The Gradescope Bubble Sheet Process
  - Printing and Scanning Bubble Sheets
  - Creating Answer Keys
  - Importing Scans and Student Matching
  - Grading and Exporting to CourseLink
  - Statistics and Item Analysis
- Finding Gradescope Support
- Question and Answer Period (Optional)

# WHY DO I NEED TO TRANSITION TO GRADESCOPE BUBBLE SHEETS?

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# WHY DO I NEED TO TRANSITION TO GRADESCOPE BUBBLE SHEETS?

**As of Fall 2022 Scantron will no longer be supported**

- If you are currently using **Scantron** as your bubble sheet solution for quizzes, midterms, or exams it **is not an option in F22**

# ACCESSING GRADESCOPE

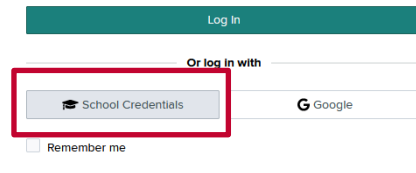
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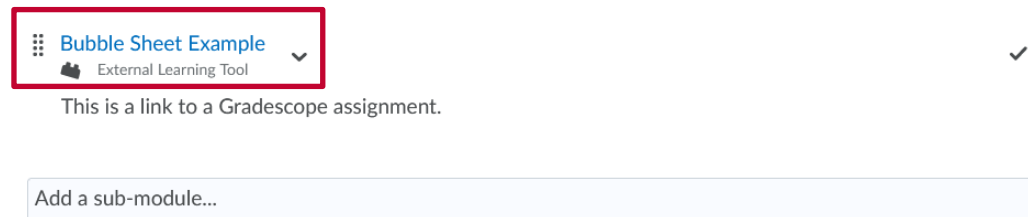
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# ACCESSING GRADESCOPE

- Gradescope can be accessed in two ways:
  1. Directly via gradescope.ca using SSO



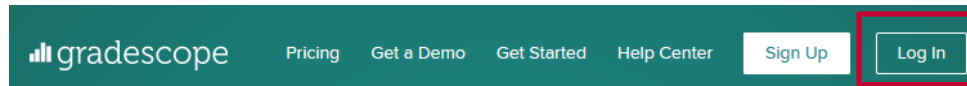
2. Via the CourseLink Integration (Content tool)



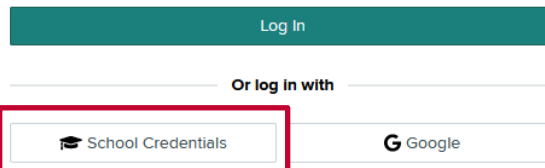
# ACCESSING GRADESCOPE DIRECTLY

How to access Gradescope directly from gradescope.ca:

1. Press the **Log In** button



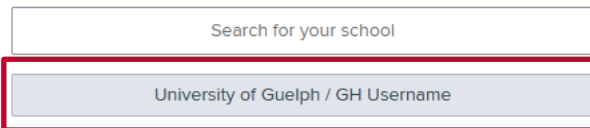
2. Select **School Credentials**



3. Select **University of Guelph / GH Username**

Select your school below

If you do not see your school in this list, that means we do not have single sign-on enabled at your school yet.





# ACCESSING GRADESCOPE DIRECTLY

Accessing Gradescope directly allows you to:

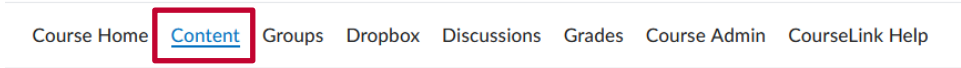
- Create a new Gradescope course/assignment
- See and manage any Gradescope courses/assignments you have associated with your UofG account
  - Includes Gradescope courses and assignments created through the CourseLink integration

*To get the most out of Gradescope, we recommend using the CourseLink integration to connect your course site and create Gradescope assignments.*

# USING GRADESCOPE'S COURSELINK INTEGRATION

How to setup Gradescope's CourseLink Integration:

1. Select **Content** from your course site's nav bar



Course Home **Content** Groups Dropbox Discussions Grades Course Admin CourseLink Help

2. Select **Add a module** from the Table of Contents



Add a module... → Gradescope Bubble Sheets

3. Choose **Existing Activities** and select **Gradescope**



Upload / Create ▾ Existing Activities ▾ → Google Drive  
Gradescope  
Media Library

4. Follow the prompts to create your Gradescope Bubble Sheet Assignment

# 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 course site's "Classlist" with the Gradescope course "Roster"
- Automatically create grade items associated with Gradescope assignments in CourseLink's Grades tool
- Push scores from Gradescope assignments to their associated CourseLink grade item

# INTEGRATION RECOMMENDATIONS – CONTENT MODULE

When creating bubble sheet assignments, hide the content module or content item when you add it in CourseLink

- Instructors/TAs maintain access, but students won't see the link, which can avoid confusion (in most cases students do not need to access/review the bubble sheets)

Bubble Sheet Module ▾

Print

Settings

Add dates and restrictions...

Visibility

Add a description...

Upload / Create ▾

Existing Activities ▾

Bulk Edit

Final Exam MC ▾  
External Learning Tool

This is a link to a Gradescope assignment.

# INTEGRATION RECOMMENDATIONS – GRADE ITEM

Go to **Manage Grades** after creating the bubble sheet assignment to hide the grade item Gradescope creates and adjust its max points value (defaults to 1) and weight (10)

- If you are unsure of your max points value, come back and adjust before posting grades from Gradescope

The image shows two parts of the Gradescope interface. On the left, a table lists grade items with a context menu open over the 'Midterm MC' item. The menu options are 'Hide from Users', 'Enter Grades', 'View Statistics', and 'View Event Log'. On the right, the 'Grading' settings panel is shown, with the 'Maximum Points\*' field set to 1 and the 'Weight\*' field set to 10. Both the 'Hide from Users' option and the 'Maximum Points\*' field are highlighted with red boxes.

Bulk Edit	
<input type="checkbox"/>	
<input type="checkbox"/>	Midterm MC
<input type="checkbox"/>	Final Exam MC

Hide from Users

Enter Grades

View Statistics

View Event Log

### Grading

Maximum Points\*

Weight\*

# INTEGRATION RECOMMENDATIONS – ROSTER SYNC

Be sure to access Gradescope and sync the **Roster** with your CourseLink course site's **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

Course Roster   All	Search	
↑ FIRST & LAST NAME	⇅ EMAIL	ROLE
Owen Wooding	owooding@uoguelph.ca	Instructor

You haven't added anyone to your course yet.

Add students or other instructors to your course.

Sync CourseLink Roster

Add Members

# COURSELINK'S GRADESCOPE INTEGRATION SUMMARY (SINGLE VERSION BUBBLE SHEETS)



- Create Assignment (Content)
  - Existing Activities > Gradescope
  - Hide content module
- Create Grade Item (Automatic)
  - Hide grade item
  - Adjust points & weight
- Sync Roster with CourseLink
- Complete the Answer Key
- Import Scanned Sheets (PDF)
- Match Students – Automatic (except unassigned students)
- Grade - Automatic (except uncertain marks)
- Post Grades to CourseLink

# DEMO

- Setting up the CourseLink integration
  - Creating a Bubble Sheet Assignment
  - Hiding the content module
  - Hiding the grade item/adjusting max points
  - Accessing Gradescope from Content
  - Importing the CourseLink Classlist to the Gradescope Roster



# PRINTING AND SCANNING BUBBLE SHEETS

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# PRINTING GRADESCOPE BUBBLE SHEETS

- Gradescope's bubble sheet template is simply downloaded from the **Edit Answer Key** page as a PDF
- Once downloaded, you may print as many sheets as required to distribute to students (print a few extras)
- Gradescope bubble sheets can accommodate up to 200 multiple choice questions
  - For 100 or less you can simply print page one
  - For over 100 questions, print both pages (double-sided if you plan to leverage the CCS Scanning Service)

# PRINTING GRADESCOPE BUBBLE SHEETS

## Accessing the 200-question template from the Answer Key

 gradescope <≡

< owooding\_gradescope\_test

Bubble Sheet Test ...

Edit Answer Key

Manage Scans

Manage Submissions

Grade Submissions

Review Grades

Regrade Requests

Statistics

Item Analysis

Settings

Bubble Sheet Answer Key

Version A + Add Version

Bubble sheet assignments use our [200-question](#) template.

Allocate answers to the numbered questions. Any question without an allocated answer will not be graded. If your assignment contains multiple versions, all submissions will be automatically assigned to their version during upload.

Question Grading Defaults

POINTS

1

SCORING

Exact

Partial

Either/Or

Full credit is awarded only for the exact correct answer.

PAGE 1

 Clear Answers

QUESTION 1 ⚙

A  B  C  D  E

QUESTION 2 ⚙

A  B  C  D  E

QUESTION 3 ⚙

A  B  C  D  E

QUESTION 26 ⚙

A  B  C  D  E

QUESTION 27 ⚙

A  B  C  D  E

QUESTION 28 ⚙

A  B  C  D  E

QUESTION 51 ⚙

A  B  C  D  E

QUESTION 52 ⚙

A  B  C  D  E

QUESTION 53 ⚙

A  B  C  D  E

QUESTION 76 ⚙

A  B  C  D  E

QUESTION 77 ⚙

A  B  C  D  E

QUESTION 78 ⚙

A  B  C  D  E

# PRINTING GRADESCOPE BUBBLE SHEETS

## Example bubble sheet template PDF:



Name <i>Auston Matthews</i>	Version <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E
ID <i>99000034</i>	Other
Section	Marking Instructions Be sure to completely fill in the appropriate bubble. <b>Example</b> <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E
Date	



### Name

Students should **PRINT** (no cursive) their name **BETWEEN** the lines

### ID

Students should write their id number (e.g., 99000034) **BETWEEN** the lines

### Version (if used)

Students should bubble in the letter that corresponds to their exam version



	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	76	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	77	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	78	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	79	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	81	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	82	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	83	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	84	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	85	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



# SCANNING GRADESCOPE BUBBLE SHEETS



# SCANNING GRADESCOPE BUBBLE SHEETS

Since Gradescope bubble sheets use standard paper and do not require a proprietary scanner, you have options!

- **Option 1: Self Scan**
  - Collect the bubble sheets from students and scan them to a PDF file on your department's printer/scanner or using a personal scanner
- **Option 2: Use the CCS Scanning Service**
  - CCS continues to offer scanning for Gradescope bubble sheets, just as they did for Scantron
  - The service is limited to only single page scans (print double sided for >100 questions)

# SCANNING GRADESCOPE BUBBLE SHEETS

## Scanning Considerations:

- Does your department have a quality printer/scanner that can scan multiple of pages to a single PDF file?
  - If not, you may want to use the CCS Scanning Service
- How large is your class?
  - Self-scan may be a better option for smaller classes
- Do you have access to the CCS Scanning Service?
  - Satellite campuses (Ridgetown/Guelph-Humber) do not
- Do you want more control over when your sheets are scanned?
  - The CCS Scanning Service can get busy during exam period

# SCANNING GRADESCOPE BUBBLE SHEETS

## What do you need from the scan?

- A PDF file of all the scanned bubble sheets
  - You may upload all scanned sheets as a single PDF file, or you may upload PDF multiple files
  - Gradescope has a max file size of 256 MB per file
  - 150 DPI resolution is recommended by Gradescope
- If you are using multiple versions of a bubble sheet with different answer keys, you may scan them all to a single file
  - Scan in any order – Gradescope will sort them automatically based on the version indicated
  - No manual pre-sorting required!



When scanning, be sure to set the scanner to scan 8.5"x11" paper to ensure there are no issues with alignment for investigating uncertain marks!



# CREATING ANSWER KEYS

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# CREATING YOUR ANSWER KEY

Answer keys **do not need** to be completed by the instructor until you are ready to upload scans


- This means students can take the quiz/exam before the assignment/answer key is completed by the instructor



When you are ready to complete the answer key, simply create or access the bubble sheet assignment

- Clicking the link to your bubble sheet assignment created in CourseLink will take you directly to the **Edit Answer Key** page (if you haven't saved an answer key yet)

Upload / Create ▾

Existing Activities ▾

 Bulk Edit

 Final Exam MC ▾  
 External Learning Tool



This is a link to a Gradescope assignment.

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# SETTING UP YOUR ANSWER KEY

All questions on the bubble sheet can be set with the following question grading defaults:

- A custom point value per question value (default = 1)
- A custom scoring method (default = exact)

## Bubble Sheet Answer Key

**Version A** + Add Version

Bubble sheet assignments use our [200-question](#) template.

Allocate answers to the numbered questions. Any question without an allocated answer will not be graded. If your assignment contains multiple versions, all submissions will be automatically assigned to their version during upload.

## Question Grading Defaults

### POINTS

1

### SCORING

Exact

Partial

Either/Or

Full credit is awarded only for the exact correct answer.

# SETTING UP YOUR ANSWER KEY

## Gradescope's 3 Scoring Method Options

- 1. Exact:** There is only one correct answer or set of answers. Selecting any incorrect option results in a zero.
- 2. Partial:** There are multiple correct answers and students get partial credit for each one selected. Selecting any incorrect option results in a zero.
- 3. Either/Or:** There are multiple correct answers and students get full credit for any correct option(s) selected. Selecting any incorrect option results in a zero.

# SETTING UP YOUR ANSWER KEY

## Scoring Method Example:

The question is scored out of 1 point. The correct answers are B and C on the answer key. The student has selected B as their answer.

- **Exact:** Student receives **0 points** (did not select C)
- **Partial:** Student receives **0.5 points** (selected 1 of 2 correct)
- **Either/Or:** Student receives **1 point** (selected a correct answer)

# SETTING UP YOUR ANSWER KEY

Answer Keys are then set up by selecting the correct answer(s) for each question

PAGE 1 🗑️ Clear Answers

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<p>QUESTION 1 ⚙️ <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 2 ⚙️ Partial <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input checked="" type="radio"/> E</p> <p>QUESTION 3 ⚙️ <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 4 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input checked="" type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 5 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input checked="" type="radio"/> E</p>	<p>QUESTION 26 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 27 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 28 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 29 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 30 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p>	<p>QUESTION 51 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 52 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 53 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 54 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 55 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p>	<p>QUESTION 76 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 77 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 78 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 79 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p> <p>QUESTION 80 ⚙️ <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E</p>
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# SETTING UP YOUR ANSWER KEY

At the question level, any question can have its point value or scoring method adjusted

- E.g., Most questions are out of 1 and use exact scoring, but question 24 is worth 5 points and allows for Either/Or scoring

The screenshot displays a question editor interface. At the top, there are several question cards: 'QUESTION 23 \* 5 pts' with options A, B, C, D, E; 'QUESTION 24 \* 5 pts, Either/Or' with options A, B, C, D, E; 'QUESTION 48 \*' with options A, B, C, D, E; 'QUESTION 49 \*' with options C, D, E; '50 \*' with options C, D, E; and '126 \*' with options C, D, E. A red box highlights 'QUESTION 24 \* 5 pts, Either/Or', and a red arrow points from it to a 'Grading Overrides' dialog box. The dialog box has a title 'Grading Overrides' and two sections: 'POINTS' and 'SCORING'. In the 'POINTS' section, the value '5' is selected in a dropdown menu. In the 'SCORING' section, three buttons are visible: 'Exact', 'Partial', and 'Either/Or', with 'Either/Or' being the active selection. Below the buttons, there is explanatory text: 'Full credit is awarded for marking any of the correct letters. If any other letter is marked, the total score becomes 0.' At the bottom of the dialog box, there is a 'Reset to Grading Defaults' button.

# ANSWER KEY VERSIONING

Up to 5 different answer key versions can be created for each bubble sheet assignment

- Students indicate which version they receive
- Instructors select correct answers in each key version
- Gradescope auto-grades based on the version

Bubble Sheet Answer Key

**Version A**

+ Add Version

Bubble sheet assignments use our [200-question](#) template.

[Question Grading Defaults](#)



# DEMO

- Setting up a multiple-version Answer Key
  - Selecting correct answers for two versions
  - Customizing point values and scoring methods

# IMPORTING SCANS & STUDENT MATCHING

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# IMPORTING BUBBLE SHEET SCANS

Once your answer key is set up, the PDF file(s) from your scan can be added to the bubble sheet assignment through the **Manage Scans** page

The screenshot shows the Gradescope interface. On the left, a sidebar contains the following items: the Gradescope logo, a breadcrumb trail '< Gradescope\_Bubble\_Sh...', the assignment title 'Midterm MC - Del...', and three menu items: 'Edit Answer Key', 'Manage Scans' (highlighted with a red box), and 'Manage Submissions'. The main content area is titled 'Manage Scans' and contains the following text: 'Upload scans in PDF format. A single file can contain multiple student submissions (it is more efficient to scan in batches). Multiple files can be uploaded at once.' Below this, it states: 'Gradescope attempts to split each uploaded scan into submissions. The proposed split is based on special markers on the bubble sheet template. For scans that are not automatically split, click **Show** to review the proposed submissions (you can change split points and re-order pages), then click **Create Submissions**.' On the right side of the page, a red dashed box highlights a drop zone containing the text 'Drop files anywhere on the page, or select files using the button below.' and a green button labeled 'Select PDF Files'.


# IMPORTING BUBBLE SHEET SCANS

Gradescope then splits the scans into their appropriate pages by student


- If any pages are not split correctly or need to be rotated, you can manually adjust them

all\_students.pdf · 2022 Mar 8 at 10:55:44 am ✓ 10 Active submissions created automatically


▶ SUBMISSION 1 ✓ ASSIGNED TO MORGAN REILLY.



▶ SUBMISSION 2 ✓ ASSIGNED TO ILYA MIKHEYEV.



▶ SUBMISSION 3 ✓ ASSIGNED TO AUSTON MATTHEWS.



# IMPORTING BUBBLE SHEET SCANS

When everything looks good, click **Manage Submissions** to match the scans to students

**Manage Scans**

Manage Submissions

Grade Submissions

Review Grades

---

Regrade Requests

Statistics

Item Analysis

special markers on the bubble sheet template. For scans that are not automatically split, click **Show** to review the proposed submissions (you can change split points and re-order pages), then click **Create Submissions**.

**all\_students.pdf** · 2022 Mar 8 at 10:55:44 am  10 Active submissions created automatically

# STUDENT TO BUBBLE SHEET MATCHING

On the **Manage Submissions** page, Gradescope uses advanced text recognition to auto-assign completed bubble sheets to students listed on the Gradescope roster

The screenshot displays the 'Manage Submissions' page in Gradescope. On the left is a navigation sidebar with 'Manage Submissions' highlighted. The main content area shows a table of submissions. At the top right, a filter bar indicates '11 Auto-Assigned' and '0 Unassigned' submissions. The table has columns for 'NAME & ID REGION', 'STUDENT', 'SUBMITTED', 'VERSION', and 'GRADED'. Two rows are visible, each with a handwritten bubble sheet image and a student record. The first row shows a student named 'James Bond' with ID 'X7654321', submitted on 'Sep 28 11:46 AM' with a grade of 'A' and 100% completion. The second row shows a student named 'Auston Matthews' with ID '999934', also submitted on 'Sep 28 11:46 AM' with a grade of 'A' and 100% completion. Both students are marked as 'Automatically Assigned'.

NAME & ID REGION	STUDENT	SUBMITTED	VERSION	GRADED
	James Bond X7654321 ✓ Automatically Assigned	Sep 28 11:46 AM	A	100% Show Details
	Auston Matthews 999934 ✓ Automatically Assigned	Sep 28 11:46 AM	A	100% Show Details



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**Note:** Gradescope will attempt to match on **the name AND the id number** (both are imported to Gradescope during the roster sync)

# STUDENT TO BUBBLE SHEET MATCHING

If a match cannot be found automatically you will need to manually match any unassigned students

- Gradescope restricts matching options to students who are not already matched, simplifying the process

10 Submissions ☰ 1 / 10 Students Have Not Been Matched All 9 Auto-Assigned 1 Unassigned

NAME & ID REGION <span>◀ Hide</span>	STUDENT	SUBMITTED	GRADED				
<table border="1"><tr><td>Name</td><td>T.J. Brodie</td></tr><tr><td>ID</td><td>99000078</td></tr></table>	Name	T.J. Brodie	ID	99000078	<input type="text" value="Enter student name"/> <div><p>Thomas James Brodie tj@gradescopedemo.ca</p><p>Alex Kerfoot (already assigned to a submission) alex@gradescopedemo.ca</p><p>Auston Matthews (already assigned to a submission) auston@gradescopedemo.ca</p><p>Ilya Mikheyev (already assigned to a submission) ilya@gradescopedemo.ca</p></div>	Mar 08 10:55 AM	90% <span>Show Details ▶</span>
Name	T.J. Brodie						
ID	99000078						

< Previous Next >

Upload Submission

Grade Submissions >

# STUDENT TO BUBBLE SHEET MATCHING

Once the bubble sheets are matched, click **Grade Submissions** to complete the grading process

gradescope

< Gradescope\_Bubble\_Sh...  
Midterm MC - Del...

- Edit Answer Key
- Manage Scans
- Manage Submissions
- Grade Submissions
- Review Grades

Regrade Requests

Statistics

Item Analysis

Account

Upload Submission

Grade Submissions >

### Manage Submissions

On this page you can assign names to student submissions, replace individual submission PDFs, and remove submissions. Use the **tab** key to quickly go through the name assignment fields. If something does not look right, you can **turn off** automatic roster matching.

10 Submissions All 10 Students Have Been Matched

All 9 Auto-Assigned 0 Unassigned Search by name

NAME & ID REGION	STUDENT	SUBMITTED	GRADED
<input type="text" value="Name"/> <input type="text" value="Morgan Reilly"/> <input type="text" value="ID"/> <input type="text" value="99000044"/>	<b>Morgan Reilly</b> Edit Automatically Assigned	Mar 08 10:55 AM	100% Show Details
<input type="text" value="Name"/> <input type="text" value="Ilya Mikheyev"/> <input type="text" value="ID"/> <input type="text" value="99000065"/>	<b>Ilya Mikheyev</b> Edit Automatically Assigned	Mar 08 10:55 AM	90% Show Details



# DEMO

- Manage Scans
  - Uploading the PDF of scanned bubble sheets
- Manage Submissions
  - View the auto-assign process
  - Manually matching unassigned submissions

# GRADING AND EXPORTING TO COURSELINK

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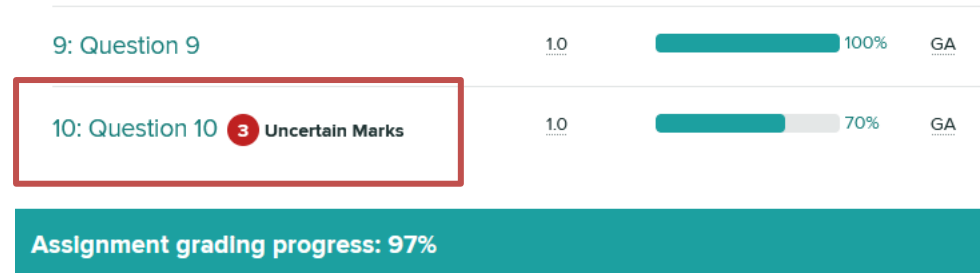
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# GRADING BUBBLE SHEETS – UNCERTAIN MARKS

Once student submissions are matched, Gradescope will then auto-grade based on the answer key(s)

- If any questions contain uncertain marks from students, they are flagged by Gradescope for a manual review
  - Uncertain marks may include slashes instead of filling in the circles, crossing out a bubble, adding an arrow, etc.



# GRADING BUBBLE SHEETS – UNCERTAIN MARKS

For questions with uncertain marks, Gradescope's AI suggests an answer for each student based on what it sees, which you can confirm or modify, then confirm.

- A zoom out feature gives a better look at the original scan
- Once all uncertain marks are resolved, you may **Confirm All Marks**, then move on to **Review Grades**

The image displays two side-by-side screenshots of the 'Review Uncertain Marks' interface. Both screenshots show a question titled 'QUESTION 10' with a score of 10. The question has five answer options: A, B, C, D, and E. In the left screenshot, options A, B, C, and D are marked as uncertain (indicated by a blue 'U' icon), and option E is marked as correct (indicated by a green checkmark). A red box highlights the uncertain marks, and a red zoom icon is visible. A red arrow points from the zoom icon in the left screenshot to the zoomed-out view in the right screenshot. In the right screenshot, the entire question area is zoomed out, and a red box highlights the 'Confirm All Marks' button at the bottom. The 'Confirm All Marks' button is highlighted in red in both screenshots.

# REVIEWING GRADES

From **Review Grades** in the bubble sheet assignment, you can see some basic overall statistical data as well as the scores for the students

RELIABILITY ?	MINIMUM	MEDIAN	MAXIMUM	MEAN	STD DEV ?	STD ERROR ?
0.85	1.0	7.0	10.0	5.6	3.27	1.26

10 Students		Search	Q			
^ FIRST & LAST NAME	EMAIL	SCORE/10.0	GRADED?	VIEWED?	COURSELINK	TIME (EST)
Alex Kerfoot	alex@gradescopedemo.ca	1.0	✓	👁	🔗	Mar 07 at 10:52AM
Auston Matthews	auston@gradescopedemo.ca	10.0	✓	👁	🔗	Mar 07 at 10:52AM
Ilya Mikheyev	ilya@gradescopedemo.ca	7.0	✓	👁	🔗	Mar 07 at 10:52AM
John Tavares	john@gradescopedemo.ca	8.0	✓	👁	🔗	Mar 07 at 10:52AM

Download Grades | Export Evaluations | Export Submissions | Post Grades to CourseLink | Publish Grades >

# EXPORTING GRADES TO COURSELINK

To send grades from Gradescope to CourseLink, simply click the **Post Grades to CourseLink** button on the bottom bar

- Remember to ensure the max points of the grade item matches the total score for the bubble sheet
- If the grade item is hidden, students will not see their score or receive a notification from CourseLink



Post Grades to CourseLink



## Post Grades to CourseLink ✕

### INSTRUCTIONS

- Grades from linked users' submissions will be posted to the CourseLink assignment listed below.
- Existing grades in CourseLink (for linked users) will be overwritten.

### LINKED COURSELINK COURSE

🔗 Get to Know Gradescope: Bubble Sheets

### LINKED COURSELINK ASSIGNMENT

🔗 Final Exam MC

Close

Post Grades

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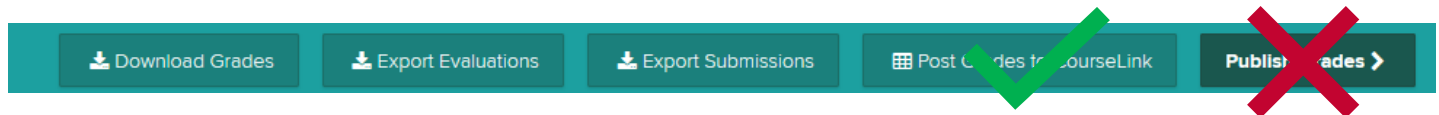
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# EXPORTING GRADES TO COURSELINK

For bubble sheets, there is *typically* no need to click **Publish Grades**

- In most cases there will not be any additional feedback for students to review on Gradescope for bubble sheets
- If you publish, students will be able to see their completed sheets and scores on Gradescope even if the CourseLink grade item is hidden



# DEMO

- Grade Submissions
  - View the auto-grade process
  - Resolve uncertain marks
- Review Grades
  - Post Grades to CourseLink
  - Avoid Publish Grades



# GRADESCOPE'S STATISTICS AND ITEM ANALYSIS

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# STATISTICS AND ANALYSIS

Gradescope provides two ways to explore the data that is collected after bubble sheet grading is complete:

1. Statistics
2. An Item Analysis Report

# STATISTICS

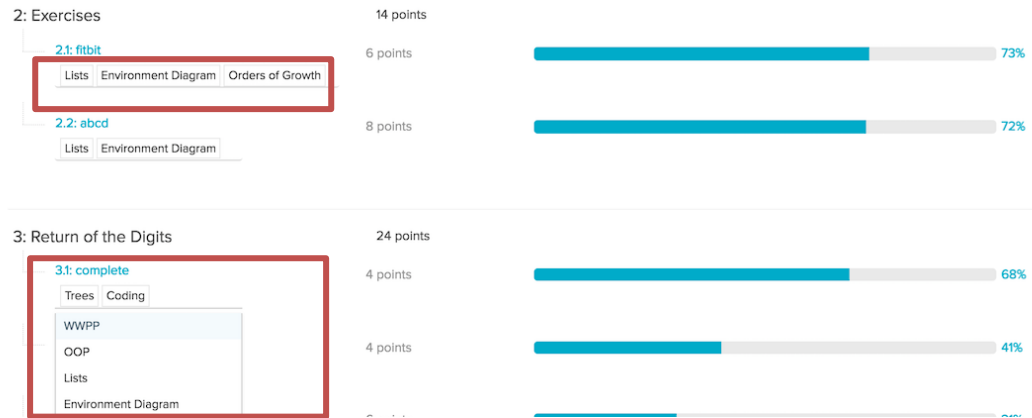
Gradescope's Statistics option, provides 4 different ways to look at data through their interface:

1. Reliability (Cronbach's Alpha)
2. Standard Error
3. Standard Deviation
4. Student Answer Report (downloadable CSV)

More information on all statistics options are available on [Gradescope's Help Centre](#)

# STATISTICS - TAGS

Gradescope also provides the ability to apply custom tags to questions to group and sort statistics by the applied tag.



More information on question tagging can be found on [Gradescope's Help Centre](#)

# ITEM ANALYSIS

Gradescope's Item Analysis report for bubble sheets helps instructors understand the quality of each test question by looking at the question and the individual options. It includes two data sets:

1. Discriminatory Score (Point Biserial Coefficient)
2. Distractor Analysis

More information on both options are available on [Gradescope's Help Centre](#)

# DEMO

- Statistics and Item Analysis
  - Where to access
  - How to tag questions

# STEP-BY-STEP REVIEW

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# STEP-BY-STEP: GRADESCOPE BUBBLE SHEETS (WITH VERSIONING)

1. Create a link to your Gradescope course/assignment via the CourseLink integration (Content > Existing Activity > Gradescope)
  - Hide the content item/module
  - Hide the grade item created and adjust the max points
  - Sync the Gradescope Roster with your CourseLink Classlist
2. Print bubble sheets & have students complete them (Answer Key)
3. Define bubble sheet answers by editing the Answer Key
4. Create Answer Key for all versions.
5. Scan the completed bubble sheets to a PDF file
  - Self scan or CCS Scanning Service
6. Upload the PDF to Gradescope (Manage Scans)
7. If necessary, match students manually (Manage Submissions)
8. Review any questions with uncertain marks (Grade Submissions)
9. Post grades to CourseLink (Review Grades)



# GRADESCOPE BUBBLE SHEET SUPPORT

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# GRADESCOPE BUBBLE SHEET SUPPORT

- **General Gradescope Support**
  - CourseLink Support:  
[courselink@uoguelph.ca](mailto:courselink@uoguelph.ca) or x.56939
- **Documentation**
  - Gradescope Help Centre:  
<https://help.gradescope.com/article/gkwvq606fq-bubble-sheets>
  - OpenEd Documentation and Support Site  
<https://support.opened.uoguelph.ca/instructors/gradescope/menu>

# 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](#)
  
- [Gradescope for Assessment of On-Paper Assignments and Tests](#)
  
- [Transitioning from Crowdmark to Gradescope for On-Paper Assessments](#)

# GRADESCOPE PROGRAMMING: 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

## Upcoming Sessions:

- Visit our [OpenEd site for a complete list of Fall 2022 programming](#)

# QUESTION AND ANSWER PERIOD

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