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The CoursePlus Quiz Generator Tool

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CoursePlus®

What is the Quiz Generator?

The Quiz Generator (QG) Is...

- ▶ Online tool built into CoursePlus (CP) that allows for
 - ▶ Systematic assessments of individual students
 - Knowledge checks
 - Formative quizzes
 - Final (summative) exams
 - ▶ “Open” individual assessments and feedback
 - Review and assess, respond, reflect
 - Shorter, written learning activities
e.g., In-line essay prompts, responses, grading
 - ▶ Integration with other CP tools
 - Schedule Builder events, Class Sessions
 - Lecture, Activity pages
 - Gradebook
 - ▶ Customization of setup options, questions, feedback



Beyond the “Quiz”: Creative Uses of the Quiz Generator

(Simple) Creative Uses of QG

- ▶ Orientation of Course site
- ▶ Student contract with faculty
- ▶ A (self) check list toward completion of multi-step activity
- ▶ Validation/proof of attendance at event (beyond class session)
- ▶ Pre and Post lecture knowledge checks
- ▶ Practice exams

(More) Creative Uses of QG

- ▶ Essay tool for critical reflection
- ▶ Alternative group, peer, or self assessment
- ▶ Midterm course evaluation allowing feedback
- ▶ “Wager exams”¹
- ▶ Personality type/Thematic sorting

Designing the Quiz

QG Setup Options (a Subset!)

- ▶ Title*
- ▶ Access dates and times*
- ▶ Custom instructions
- ▶ One or multiple attempts
- ▶ Maximum time limit per attempt
- ▶ Show question hints when available
- ▶ Display all or a random subset of questions*
- ▶ “High Stakes” extras:
 - ▶ Logging activity
 - Notification if switching off quiz page
 - ▶ Require Ethics Code acknowledgement
 - ▶ Password restriction
 - ▶ Remote proctoring

QG Sharing Results (a Subset!)

- ▶ Custom confirmation message shown with successful submission
- ▶ Emailed copy of responses to student
- ▶ Answer key after quiz is closed
- ▶ On-screen and/or emailed
 - ▶ Instructor feedback
 - ▶ Correct, Incorrect answers
 - ▶ Numeric or percentage score

QG Question Types

- ▶ Automatically scored
 - ▶ Multiple Choice
 - ▶ True/False
 - ▶ Matching Lists
 - ▶ Numeric Value (with optimal range)
- ▶ Requires manual grading
 - ▶ Fill-in-the-blank
 - ▶ Essay
- ▶ Text block (non-question)

3. 6 points

Match the movies with their quotes

a. FRANKENSTEIN (1931)	"It's alive! It's alive!"
b. STAR WARS (1977)	"May the Force be with you."
c. TAXI DRIVER (1976)	"I'm the king of the world!"
d. TITANIC (1997)	"You talking to me?"
e. THE LORD OF THE RINGS: TWO TOWERS (2002)	"My precious."
f. CASABLANCA (1942)	"You talking to me?"

4. 1 point

Fill in the blank: "Gentlemen, you can't in here. This is the War Room." (Dr. Strangelove, 1964)

[View Hint](#)

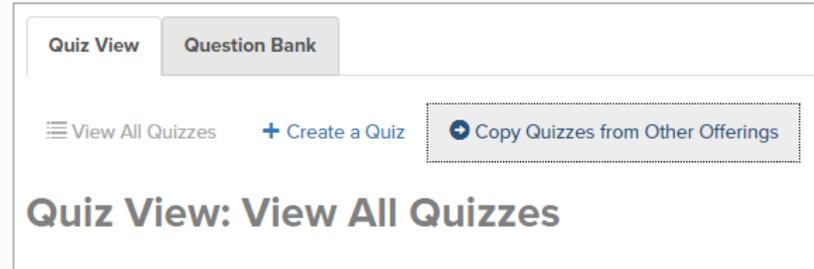
Options Common to all Question Types

- ▶ Yes/No: Should students be allowed to provide an explanation of their answer to this question? *
 - ▶ *Exception: Essay question*
- ▶ Yes/No: Do you want to exclude this question from scoring? *
- ▶ Provide a hint
 - ▶ *“Display question hints (if available)?” has been marked “Yes” in the quiz setup!*
- ▶ Provide an explanation for the correct answer
- ▶ Tags (key words or phrases) to associate with question
- ▶ Related file for students to open in order to answer question

Quiz Generator Hidden Gems

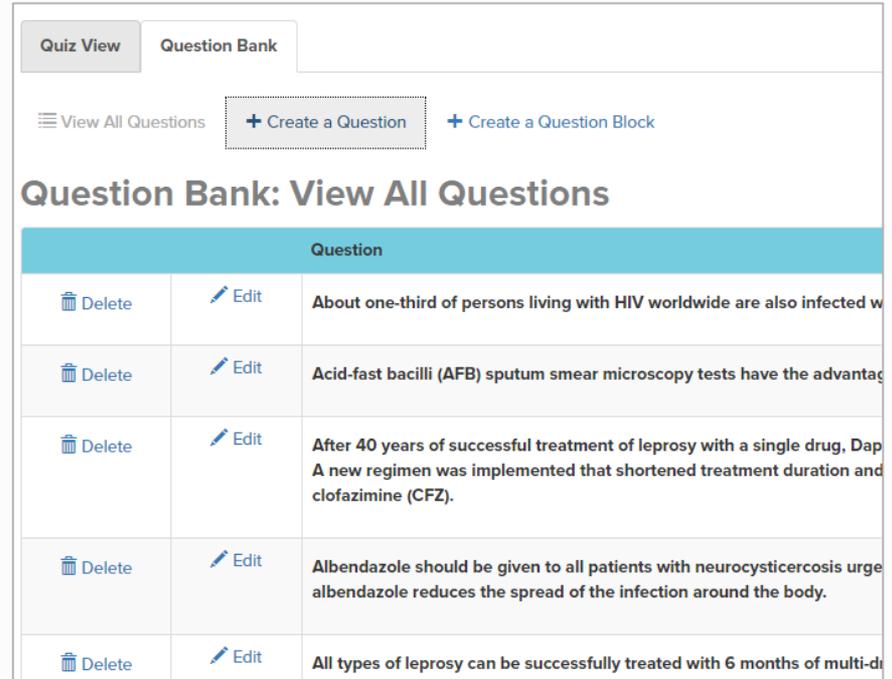
Copy Quizzes from Other Offerings

- ▶ Copy quiz from other offering
- ▶ Modify imported questions in current course
- ▶ From “View All Quizzes”
 - ▶ Click text link
 - ▶ Select offering, quiz
 - ▶ Confirm
 - ▶ Default Quiz title indicates “Copied from ...”



Question Bank

- ▶ Create as many questions as you want, whenever you want
- ▶ Include Tags
 - ▶ Filter and sort by tags and text in Question Manager
 - ▶ Tag by Topic, Module, Lecture, Difficulty, ...
 - ▶ In quizzes using random subset of questions, allows easy selection to create larger pool of questions



The screenshot displays the 'Question Bank' interface. At the top, there are tabs for 'Quiz View' and 'Question Bank'. Below the tabs, there are three buttons: 'View All Questions' (with a hamburger menu icon), '+ Create a Question' (highlighted with a dashed box), and '+ Create a Question Block'. The main heading is 'Question Bank: View All Questions'. Below this is a table with a teal header row labeled 'Question'. The table contains five rows of question entries, each with a 'Delete' button (trash icon) and an 'Edit' button (pencil icon) on the left, and the question text on the right.

Question		
Delete	Edit	About one-third of persons living with HIV worldwide are also infected w
Delete	Edit	Acid-fast bacilli (AFB) sputum smear microscopy tests have the advantag
Delete	Edit	After 40 years of successful treatment of leprosy with a single drug, Dap A new regimen was implemented that shortened treatment duration and clofazimine (CFZ).
Delete	Edit	Albendazole should be given to all patients with neurocysticercosis urge albendazole reduces the spread of the infection around the body.
Delete	Edit	All types of leprosy can be successfully treated with 6 months of multi-d

Weighting Questions

- ▶ Question Manager: Edit Question Weighting
- ▶ Default value is 1 point per question
- ▶ Weight questions equally or individually
 - ▶ Whole point values

Quiz View: Midterm Exam: Manage Quiz Questions

By default, all questions are given the same weight. This means that each question has the same point value in the quiz. If you want to change that value or provide custom point values for each question in the quiz, enter that information below.

Weight Questions Equally

Weight Questions Individually

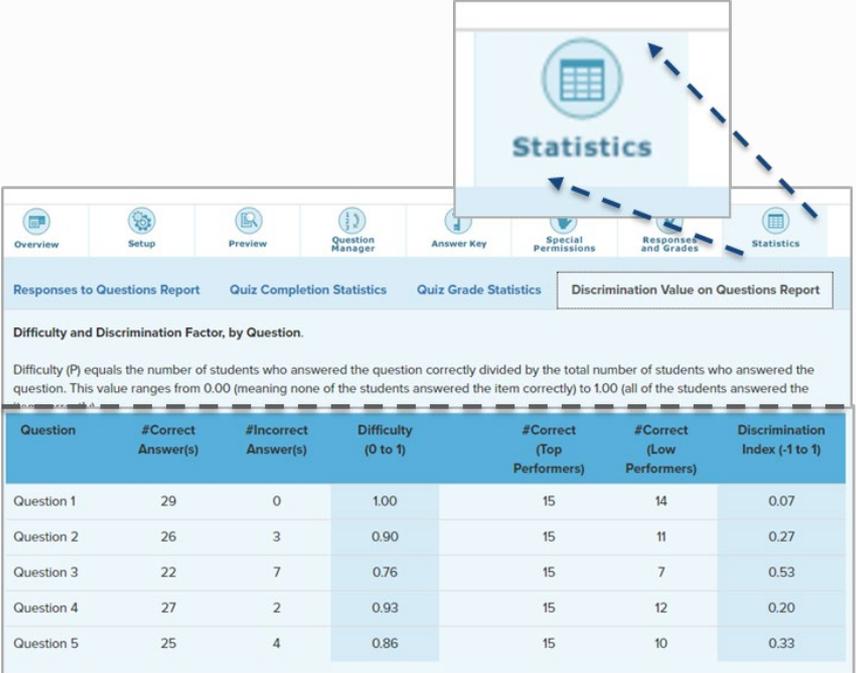
Instructions: Enter the points you want each question to be worth in the boxes below.

1. Passive immunization involves use of inactivated virus via injection.

2.
The interaction between aflatoxin and HBV infection leading to liver cancer is multiplicative.

Statistics

- ▶ Responses to Questions Report
- ▶ Quiz Completion
- ▶ Quiz Grade
- ▶ Discrimination Value on Questions Report
 - ▶ *Identifies “weak” questions*



The screenshot displays the CoursePlus interface. At the top, a navigation bar includes icons for Overview, Setup, Preview, Question Manager, Answer Key, Special Permissions, Responses and Grades, and Statistics. A callout box highlights the 'Statistics' icon. Below the navigation bar, a sub-menu is open, showing options for Responses to Questions Report, Quiz Completion Statistics, Quiz Grade Statistics, and Discrimination Value on Questions Report. The 'Discrimination Value on Questions Report' is selected, leading to a page titled 'Difficulty and Discrimination Factor, by Question.' This page includes a definition of Difficulty (P) and a table with the following data:

Question	#Correct Answer(s)	#Incorrect Answer(s)	Difficulty (0 to 1)	#Correct (Top Performers)	#Correct (Low Performers)	Discrimination Index (-1 to 1)
Question 1	29	0	1.00	15	14	0.07
Question 2	26	3	0.90	15	11	0.27
Question 3	22	7	0.76	15	7	0.53
Question 4	27	2	0.93	15	12	0.20
Question 5	25	4	0.86	15	10	0.33

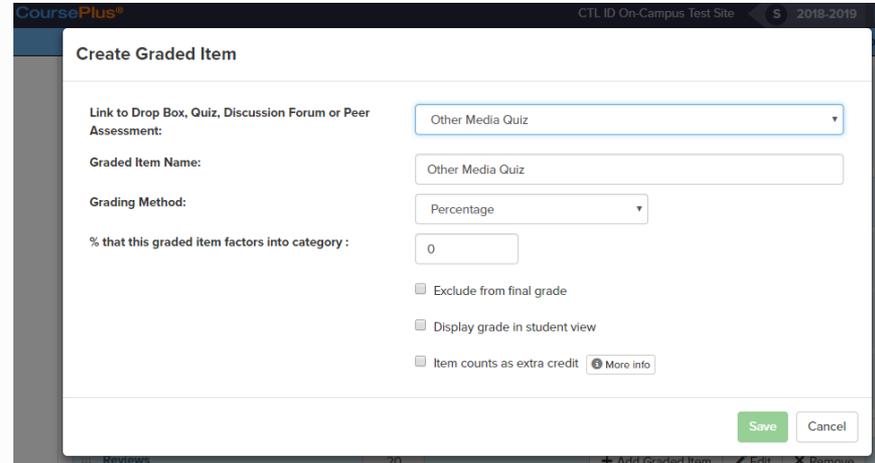
Grade All Responses to a Single Question

- ▶ Responses and Grades: “Grade All Responses to a Single Question”
- ▶ Useful for giving full or partial credit:
 - ▶ Poorly worded (“weak”) question
 - ▶ Decide a question is an unfair assessment of student knowledge
 - ▶ Etc.

The screenshot shows the 'grades' interface in CoursePlus. The 'Responses and Grades' tab is selected. The interface displays statistics for the question: 0% RANGE, 100% / 100% MINMAX, 1 N, and 0.00 STANDARD DEVIATION. The main content area is divided into three sections: Results History, Results Email, and Options. The Results Email section contains a 'Send Results' button and a list of students to be notified. The Options section contains a link to 'Grade All Responses to a Single Question'. A dashed blue arrow points from the 'Options' section to a larger, zoomed-in view of the 'Options' section, which highlights the 'Grade All Responses to a Single Question' link.

Gradebook Synchronization

- ▶ Gradebook Setup: Add Graded Item
- ▶ Select to link to Quiz
- ▶ Grade in Quiz Generator
 - ▶ Delayed sync with Gradebook
- ▶ Optional: Recalculate All Grades
 - ▶ QG: Responses and Grades
- ▶ Optional: overwrite in Gradebook
- ▶ Email grades and information from Gradebook



The screenshot shows the 'Create Graded Item' form in the CoursePlus interface. The form is titled 'Create Graded Item' and is located within a window titled 'CoursePlus' with a subtitle 'CTL ID On-Campus Test Site' and a date '2018-2019'. The form contains the following fields and options:

- Link to Drop Box, Quiz, Discussion Forum or Peer Assessment:** A dropdown menu with 'Other Media Quiz' selected.
- Graded Item Name:** A text input field containing 'Other Media Quiz'.
- Grading Method:** A dropdown menu with 'Percentage' selected.
- % that this graded item factors into category:** A text input field containing '0'.
- Options:** Three checkboxes are present: 'Exclude from final grade', 'Display grade in student view', and 'Item counts as extra credit'. The 'Item counts as extra credit' checkbox is checked, and a 'More info' link is visible next to it.
- Buttons:** 'Save' and 'Cancel' buttons are located at the bottom right of the form.

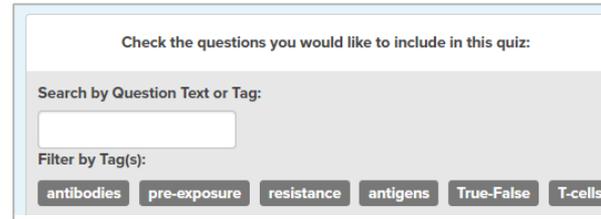
Quiz Generator FAQs

How Do I Use Questions from Other Quizzes (i.e. the Question Bank)?

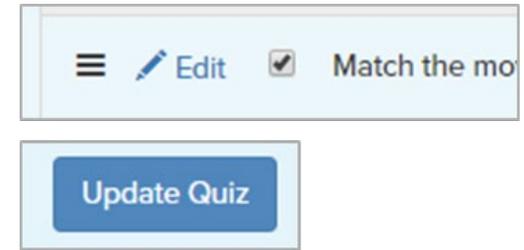
1. Go to Question Manager:
Add/Remove/Edit Questions



2. Filter Questions by Text or Tags



3. Check to Select Question
Update Quiz



Why Don't Students See the Hints?

1. Edit Question to Include Hint

If you would like to provide a hint for answering this question, enter it here:

Consider the readings associated with this week's lecture, specifically "Treatment Effects on Natural History of HIV", Ch 9 of our text.

2. Check Setup: Quiz Setup

Quiz View: Update a Quiz

Overview Setup Preview

To update basic information about this quiz, please click on the tabs below.

Quiz Setup Sharing Results

3. Display Hints = Yes Save All Changes

Display question hints (if available)? Yes No

Maximum time allowed to complete this quiz: Minutes

If you want "time remaining" notification alarms to be displayed during a remaining when the notification(s) should be displayed.

First reminder at minutes remaining

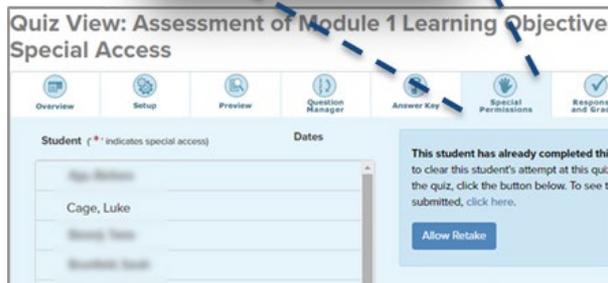
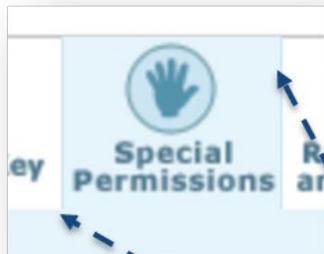
Second reminder at minutes remaining

Final reminder at minutes remaining

Save All Changes

How Can I Change Dates of Access or Give Extra Time for a Student?

1. Special Permissions,
Select Student



2. Set Special Access Dates and/or
Total Time

Selected Student: Luke Cage

Special Access Starts:

Special Access Ends:

Total Time Allowed to Complete the Quiz: minutes

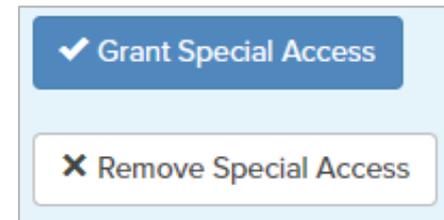
If you want to give the student more than the default 30 minutes allowed for this quiz, you need to *add* that time to the default and enter the total time in the box above.

Number of Times the Student Can Access the Quiz:

This student has accessed the quiz 1 time(s) so far.

Do Not Allow Student to Change Existing Answers:

3. Click “Grant Special
Access”



How Can I Allow a Retake?

- ▶ All Students
 - ▶ Quiz Setup
 - ▶ Increase Number of Attempts
 - ▶ Save All Changes

Number of attempts students can make on this quiz:

Each submission of final answers by the student counts as one attempt.
You can only see and grade a student's most recent attempt on a quiz.

- ▶ Single Student
 - ▶ Special Permissions
 - ▶ Select Student
 - ▶ Click “Allow Retake”

Quiz View: Assessment of Module 1 Learning Objectives: Manage Special Access

Overview Setup Preview Question Manager Answer Key **Special Permissions** Responses and Grades Statistics

Student (* indicates special access)	Dates
[Redacted]	[Redacted]
Cage, Luke	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]

This student has already completed this quiz. If you would like to clear this student's attempt at this quiz and let them re-take the quiz, click the button below. To see the answers the student submitted, click here.

[Allow Retake](#)

Selected Student: Cage, Luke

How can I See Notifications Regarding Student Activity, i.e. Navigating Off Quiz Page or Completing Quiz Quickly?

- ▶ Check Setup: Quiz Setup
- ▶ Flag navigation off Quiz Page
 - ▶ Quiz must be marked as counted toward final grade, i.e. “high stakes”
 - ▶ Set “Automatically flag” to Yes
- ▶ Flag completing in less than 10% of allotted time
 - ▶ Maximum time allowed must be set

Is this quiz counted toward the students' final grade in the class? Yes No

This is a high-stakes exam. Automatically flag students who switch off the quiz page or look at other content in this CoursePlus site. Yes No

Maximum time allowed to complete this quiz: Minutes

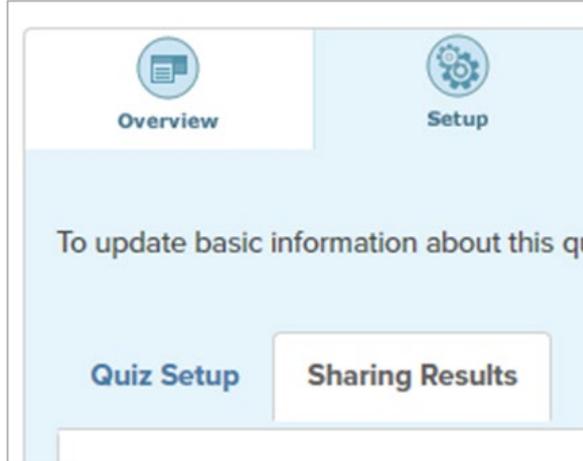
- ▶ Check Responses and Grades
 - ▶ Look for icons
 - ▶ Click student name
 - View Activity Log

The screenshot shows a table with two columns: 'Student' and 'Grade'. The first row shows 'Cage, Luke' with a grade of '1.67 / 3 (55%)'. To the right of the grade are two icons: a clock and a red exclamation mark. Below the table is a dropdown menu with three tabs: 'Special Permissions', 'Responses and Grades', and 'Statistics'. The 'Responses and Grades' tab is selected, and it contains an 'Options:' section with the following items:

- View Activity Log
- Recalculate Grade
- Clear Answers and Allow Retake
- Change Answers Back Into an Active Quiz

How Do I Share Feedback only After All Quizzes are Graded?

1. Setup: Sharing Results



2. Select Information to be Emailed

What information should be **emailed** once scoring is complete?

- Email questions
- Email correct/incorrect/partial credit banner
- Email correct answers
- Email incorrect answers
- Email student responses
- Email instructor feedback
- Email overall numeric score
- Email overall percentage score

3. Select Hold Email Notifications Save Changes

Hold email notification of results? Yes No

Selecting "Yes" prevents you from selecting "No" for the remaining options, above, from the Responses and Grading section.

If a member of the course instructional team is to receive notification that a student submitted responses, to which email address should the results be sent?

Save All Changes

Ready?



Keep in Mind

- ▶ Quiz design can guide Academic Integrity
- ▶ Question design takes planning
 - ▶ Higher order thinking
 - ▶ Bigger pool of questions = More random subset
- ▶ Visibility of answers (one v. all)
 - ▶ *Students talk!*
- ▶ Give meaningful feedback
 - ▶ Quiz and/or individual question
- ▶ Preview Quizzes!

Need assistance? CTL Help

For More Info...

<http://courseplus.jhu.edu>

<http://ctl.jhsph.edu/help>

<http://ctl.jhsph.edu/events>