

Preserving Quiz Integrity in Moodle

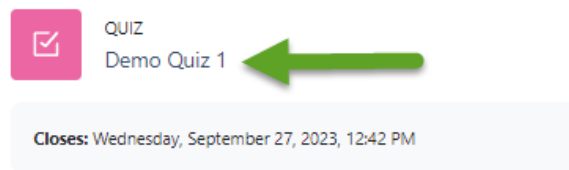
Table of Contents

Quiz Activity Settings	2
Timing Options	2
Grade Options	3
Layout Options	4
Question Behavior	4
Review Options	5
Extra restrictions on attempts	5
Quiz Setup	6

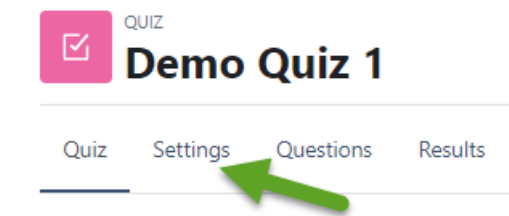
This resources discusses the settings available in Moodle that can increase the integrity of quizzes, tests, and exams. In general, the more of these options used on a quiz, the more difficult it becomes for students to cheat or to share the questions and answers.

Quiz Activity Settings

The following settings can be accessed on the **Settings** page of each quiz in the Course Menu your Moodle course. First, click on the quiz.











Next, click on **Setting**.



Timing Options



Open and close dates: Setting defined open and close dates can help prevent students from sharing questions and answers.


▼ **Timing**


Open the quiz			27	February	2023	12	51		<input checked="" type="checkbox"/> Enable
Close the quiz			27	September	2023	12	42		<input checked="" type="checkbox"/> Enable
Time limit			60	minutes	<input checked="" type="checkbox"/> Enable				
When time expires			Attempts must be submitted before time expires, or they are not counted						


Time limit: This should be set to a reasonable amount of time for the number and type of questions. Allowing too much time makes it easier for students to copy test questions and answers.

▼ Timing

Open the quiz  27 ▾ February ▾ 2023 ▾ 12 ▾ 51 ▾  ☒ Enable



Close the quiz 27 ▾ September ▾ 2023 ▾ 12 ▾ 42 ▾  ☒ Enable


Time limit  60 minutes ▾ ☒ Enable


When time expires  Attempts must be submitted before time expires, or they are not counted ▾


When time expires: It is possible to control how quiz attempts that exceed the time limit are handled by Moodle using the **When time expires** options. The default setting, **Open attempts are submitted automatically**, prevents students from receiving extra time.

▼ Timing

Open the quiz  27 ▾ February ▾ 2023 ▾ 12 ▾ 51 ▾  ☒ Enable

Close the quiz 27 ▾ September ▾ 2023 ▾ 12 ▾ 42 ▾  ☒ Enable

Time limit  60 minutes ▾ ☒ Enable

When time expires  Attempts must be submitted before time expires, or they are not counted ▾

Open attempts are submitted automatically

There is a grace period when open attempts can be submitted, but no more questions answered


Attempts must be submitted before time expires, or they are not counted


> Grade

Grade Options


Attempts allowed: Allowing only one attempt reduces the opportunity to copy quiz questions.

▼ Grade

Grade category  Not categorized ▾

Grade to pass  0.00

Attempts allowed Unlimited ▾


Grading method  1 ▾

Layout Options

New Page: Setting this option to **Every question** will show students one question per page during their quiz attempts. This makes it much more tedious to copy or take screenshots of the questions.

Navigation Method: The **Show more** link under the layout heading will reveal the **Navigation Method** option. **Free** navigation allows students to backtrack to previously answered questions, while **Sequential** does not allow students to go back to previous questions, even if they are unanswered. Sequential is more secure, as the setting does not allow students to use the extra time to copy questions, but students may not be used to this behavior and should be notified before attempting the quiz.

▼ **Layout**

New page   Every question ▾


Show less...


Navigation method   Free ▾

Question Behavior

Shuffle within questions: Setting this option to **Yes** will shuffle the order in which multiple-choice answers are displayed to students and can help to increase security. If using this option, be mindful of questions with answers such as “All of the above.” This answer can be confusing if it is not in the bottom position. “All of the above” can be replaced with answers like “All of these answers” to prevent confusion.

▼ **Question behavior**

Shuffle within questions  Yes ▾

How questions behave  Deferred feedback ▾

Show more...

Review Options

These options control what information is shown to students while reviewing their quiz attempt. To preserve the integrity of the quiz questions, it is best to leave **The Attempt** unchecked beneath each heading in this section. This will prevent students from viewing the questions and answers after their quiz has been submitted. If a student requests to review their submission, it is possible to provide this information in a secure setting, such as in-person during office hours.

▼ Review options ⓘ

During the attempt	Immediately after the attempt	Later, while the quiz is still open	After the quiz is closed
<input checked="" type="checkbox"/> The attempt ⓘ	<input checked="" type="checkbox"/> The attempt	<input checked="" type="checkbox"/> The attempt	<input type="checkbox"/> The attempt
<input type="checkbox"/> Whether correct ⓘ	<input checked="" type="checkbox"/> Whether correct	<input checked="" type="checkbox"/> Whether correct	<input type="checkbox"/> Whether correct
<input type="checkbox"/> Marks ⓘ	<input checked="" type="checkbox"/> Marks	<input checked="" type="checkbox"/> Marks	<input type="checkbox"/> Marks
<input type="checkbox"/> Specific feedback ⓘ	<input checked="" type="checkbox"/> Specific feedback	<input checked="" type="checkbox"/> Specific feedback	<input type="checkbox"/> Specific feedback
<input type="checkbox"/> General feedback ⓘ	<input checked="" type="checkbox"/> General feedback	<input checked="" type="checkbox"/> General feedback	<input type="checkbox"/> General feedback
<input type="checkbox"/> Right answer ⓘ	<input checked="" type="checkbox"/> Right answer	<input checked="" type="checkbox"/> Right answer	<input type="checkbox"/> Right answer
<input type="checkbox"/> Overall feedback ⓘ	<input checked="" type="checkbox"/> Overall feedback	<input checked="" type="checkbox"/> Overall feedback	<input type="checkbox"/> Overall feedback

Extra restrictions on attempts

Additional restrictions, such as requiring students to input a password, use a secure browser, or access the quiz from a specific IP address (such as the computers in the Test Center), can be set beneath the **Extra restrictions on attempts** heading. For assistance using these options, please contact the Center for Learning and Teaching.

▼ Extra restrictions on attempts

Require password ⓘ

Require network address ⓘ

Enforced delay between 1st and 2nd attempts ⓘ minutes ⓘ ☐ Enable

Enforced delay between later attempts ⓘ minutes ⓘ ☐ Enable

[Show less...](#)

Browser security ⓘ

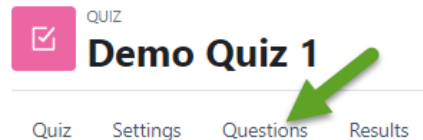
Allow quiz to be attempted offline using the mobile app ⓘ

Browser Security:

If “Full screen pop up with some JavaScript security” is selected, the quiz will only start if the student has a JavaScript-enabled web browser. The quiz appears in a full-screen popup window that covers all the other windows and has no navigation controls. Students are prevented, as far as possible, from using facilities like copy and paste.

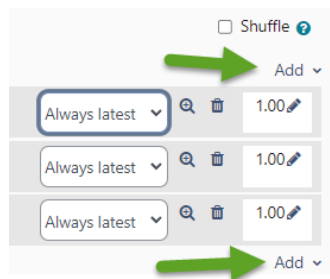
Quiz Setup

The quiz setup page can be accessed by selecting **Questions** link from the Course Menu when viewing a quiz:



This page is used to add questions to a quiz, shuffle the question order, and adjust the number of questions per page.

Adding Random Questions: Using random questions from a large pool of questions helps retain the integrity of your question bank, as each student will receive different questions. To add random questions, select the Add option in the lower right, then select a random question.



On the next page, you can select which category to load questions randomly from and how many questions to add from that category.

Random question from an existing category

Category

☐ Include questions from subcategories too

Tags

Number of random questions

Questions matching this filter: 3

< 1 >

.. OCCC
.. Name
.. Community

Shuffle: If random questions are not being used, checking the Shuffle option will shuffle the question order of a quiz. This can make it harder for students to cheat.

Maximum grade

Total of marks: 3.00



If you have questions about these options or would like to set up extra restrictions on your quizzes, please contact the Center for Learning and Teaching at 405-682-7838 or clt@occc.edu.