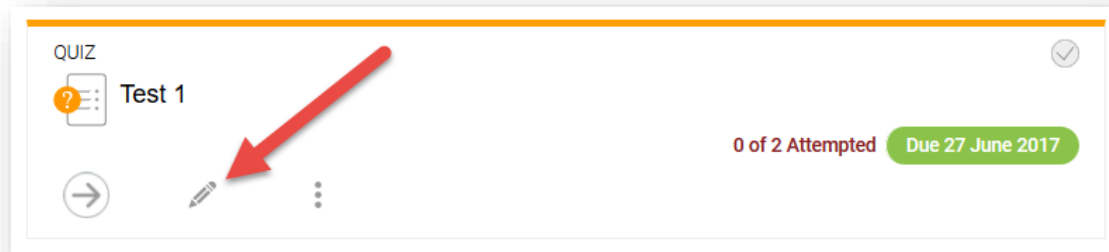


## Preserving Quiz Integrity in Moodle

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.

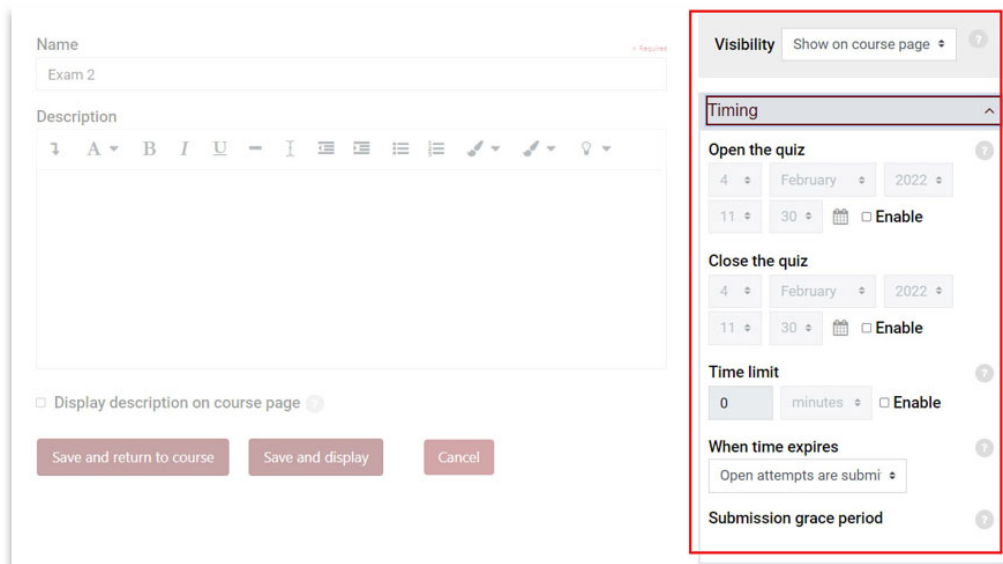
### Quiz Activity Settings

The following settings can be accessed on the Settings page of each quiz in your Moodle course.

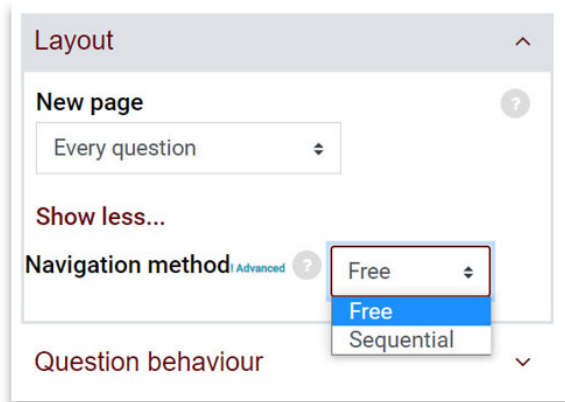


### TIMING OPTIONS

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







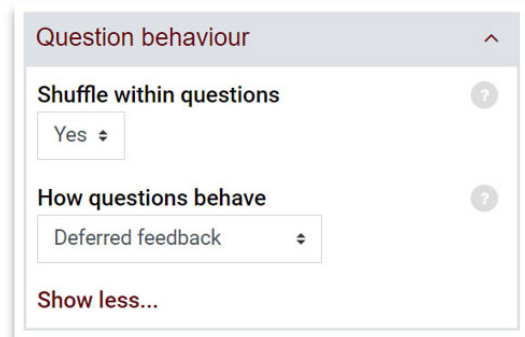
?

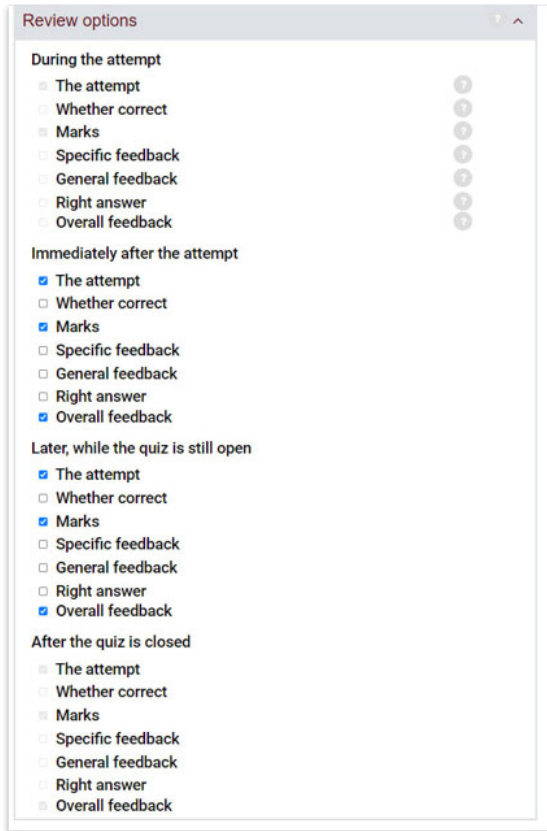
**New Page:** Setting this option to **Every question** will show students one question per page during their quiz attempts. This makes it much more tedious to copy or take screenshots of the questions.

**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 extra time to copy questions, but students may not be used to this behavior and should be notified before attempting the quiz.

## 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.





**Review options**

**During the attempt**

- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

**Immediately after the attempt**

- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

**Later, while the quiz is still open**

- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

**After the quiz is closed**

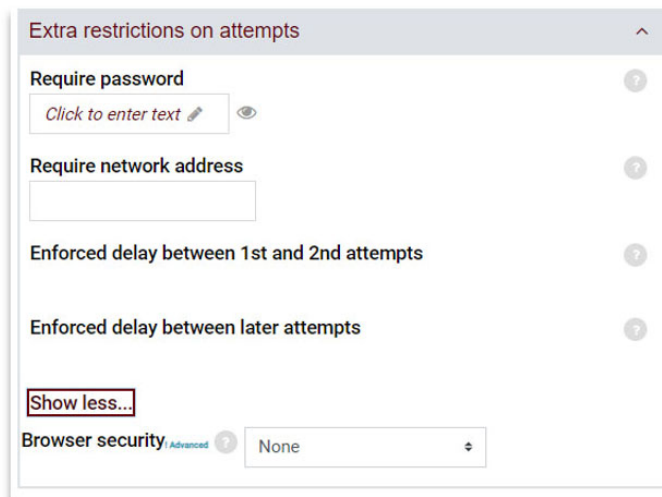
- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

## 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.


## EXTRA RESTRICTIONS ON ATTEMPTS

Additional restrictions, such as a requiring students 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**

**Enforced delay between later attempts**

[Show less...](#)

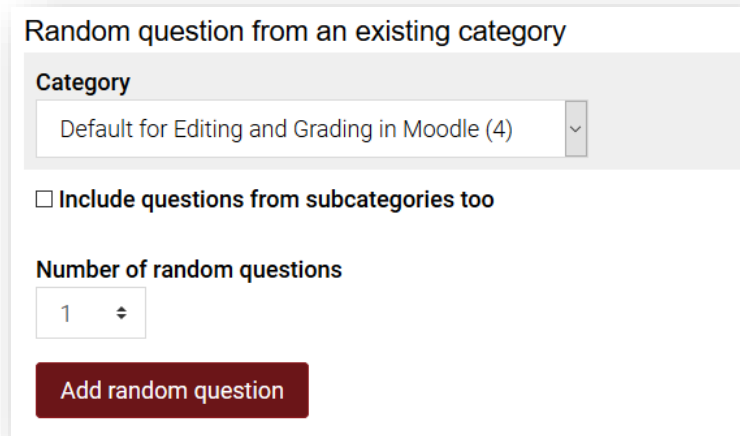
**Browser security** Advanced 

## 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 pop-up 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.



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



Random question from an existing category

**Category**

Default for Editing and Grading in Moodle (4) ▼

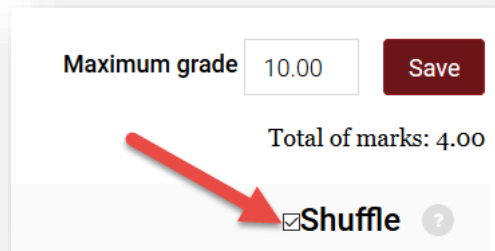
Include questions from subcategories too

**Number of random questions**

1 ↕

Add random question

**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 10.00 Save

Total of marks: 4.00

Shuffle ?

If you have questions about these options or would like to setup extra restrictions on your quizzes, please contact the Center for Learning and Teaching at 405-682-7838 or [clt@occc.edu](mailto:clt@occc.edu).