

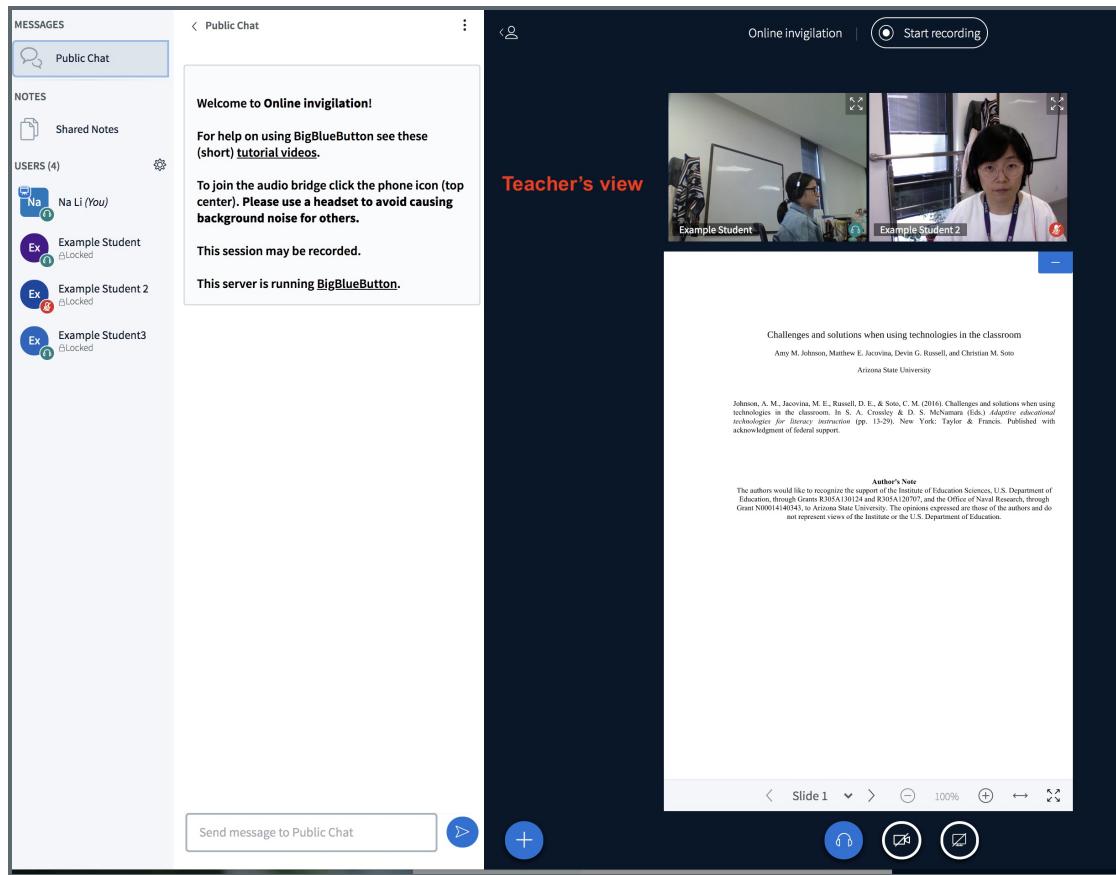
1 - How to set BigBlueButton for online exam invigilation

172 Knowledge Base Administrator

Fri, Dec 23, 2022

Best practice and preparation, Online exam invigilation

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An example of the recommended settings

Overview:

This guide will show you how to set the BigBlueButton for online exam invigilation.

What to know:

To make sure the success of the online exam invigilation and to protect students' privacy, please make sure to follow the below instructions and set up the BigBlueButton in advance. For any exam arrangement related questions or problems during the invigilation, please contact Registry (assessment@xjtu.edu.cn). For technical issue, teachers can contact LM via leaningmall@xjtu.edu.cn.

Steps for Module leaders: 1-5

Steps for Invigilator: 6-10

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Step 1: Create a new BigBlueButton activity for online exam invigilation

To avoid confusion with the BigBlueButton activity for teaching purpose, we would suggest creating a new BigBlueButton activity for online exam invigilation. The first step is to turn to edit on and then click the "Add an activity or resource" link and select the "BigBlueButtonBN" from the activity list.

In the general settings, set the new BigBlueButton with a new name.

For the midterm exam, please name with "Midterm Online Invigilated Exam".

For the final exam, please name with "Final Online Invigilated Exam".

IMPORTANT: For modules with multiple groups of students, please create multiple BigBlueButton activities with access restrictions for each relevant group. For details about access restriction, please check step 4.

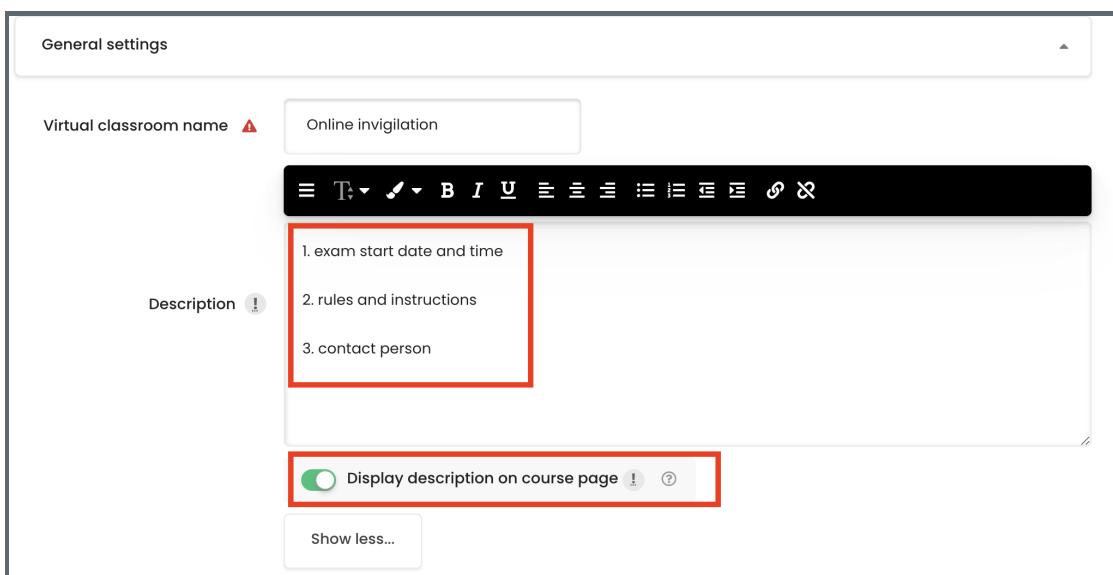
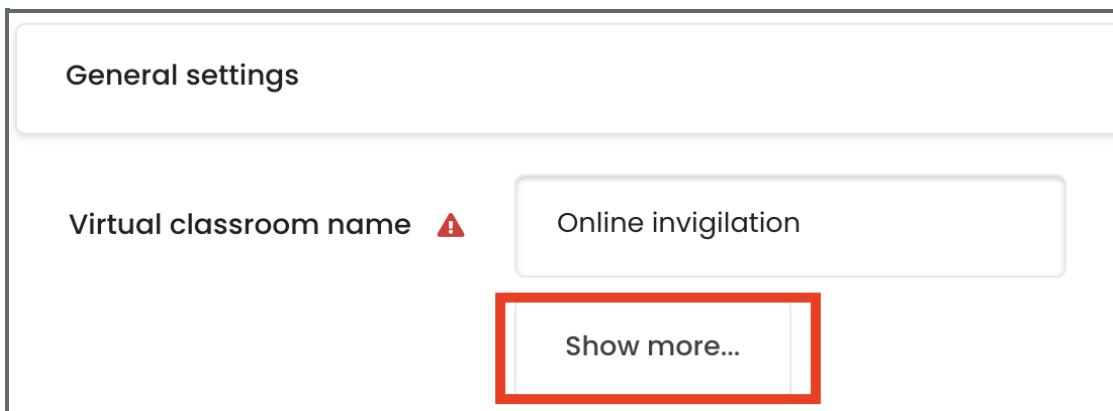
The image consists of four vertically stacked screenshots from a Moodle interface.
1. The top screenshot shows a grey 'Turn editing on' button with a gear icon and a dropdown arrow, and a large purple 'Turn editing on' button with a white gear icon, both set against a light grey background. A red box highlights the purple button.
2. The second screenshot shows a light blue header with a blue plus icon and the text 'Add an activity or resource'. Below it is a white area.
3. The third screenshot is a modal window titled 'Add an activity or resource'. It features a search bar, a 'Starred' tab, and an 'All' tab (which is selected and highlighted with a blue border), and a 'Recommended' tab. Below these are four activity type cards: 'Adaptive Quiz', 'Assignment', 'Attendance', and 'BigBlueButtonBN'. The 'BigBlueButtonBN' card is highlighted with a red box.
4. The bottom screenshot shows a configuration screen for 'Adding a new BigBlueButtonBN'. It includes fields for 'Instance type' (set to 'Room/Activity with recordings'), 'General settings', and 'Virtual classroom name' (containing 'Online invigilation'). A red box highlights the 'Expand all' button in the top right corner of this screen.

Step 2: Provide the key information in the Description and set the lock settings

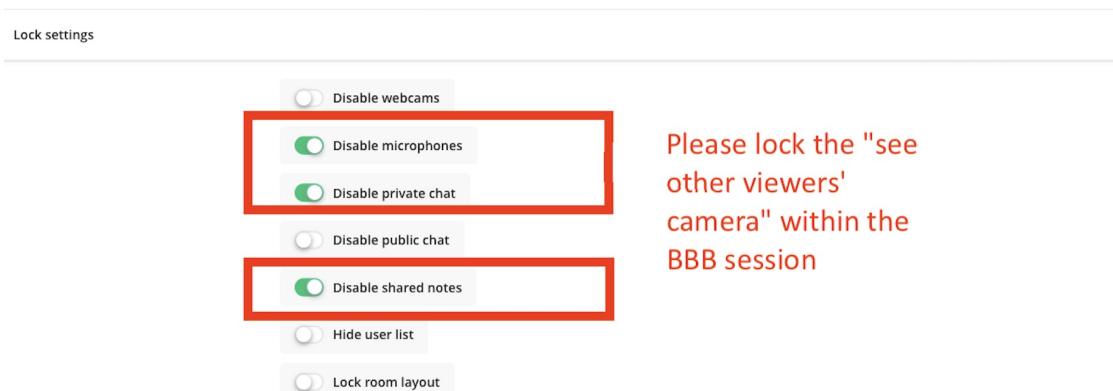
In the General settings, click "Show more..." below the Virtual classroom name, provide the key information in the Description box and enable the "Display description on course page".

The recommended key information should include at least the below 3 items:

1. exam start date and time
2. rules and instructions
3. contact person

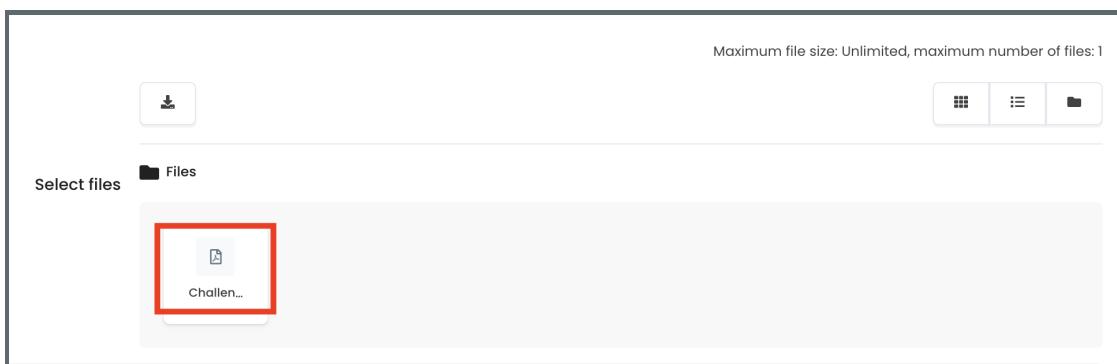
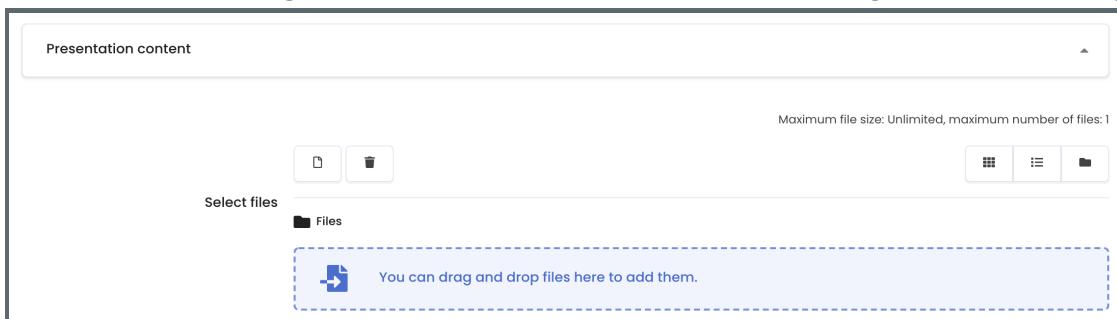


Under 'Lock settings', it is recommended the 'Disable microphones', 'Disable private chat', 'Disable shared notes' been enabled. During the invigilation, it is recommended that the "see other viewers' camera" option is locked within the BBB session. Details please check step 8.



Step 3: Upload instruction PDF under presentation content setting

In the Presentation content section, please upload the "Guide for Candidates on the Conduct of Invigilated Online Exam" PDF file which will include details about the online invigilation procedures. You can drag and drop the file onto the blue area. After the PDF file is uploaded, you will be able to see the PDF icon as the second screenshot shows. The PDF file of the Guide for Candidates on the Conduct of Invigilated Online Exam can be downloaded from e-Bridge on the Timetables page.

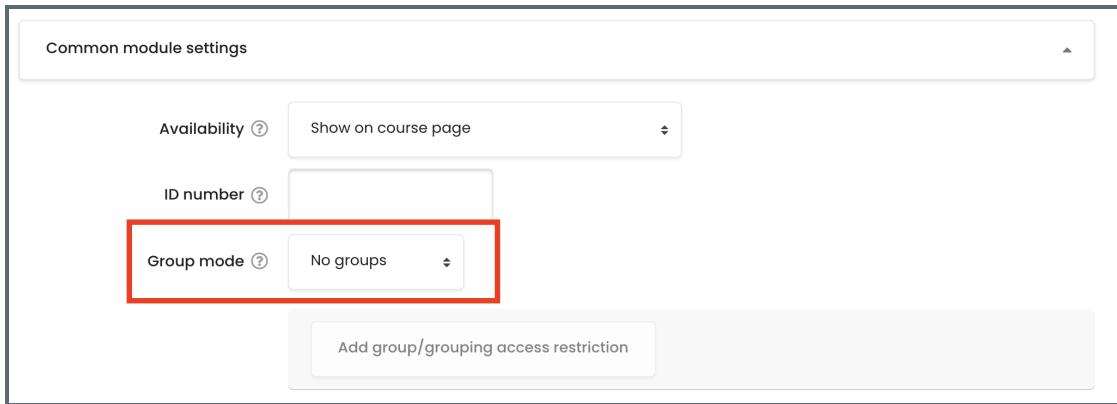


Step 4: Make sure the group mode is "No groups"

In the common module settings, make sure the "Group mode" option is "No groups".

This is to prevent unnecessary confusion for teachers.

By default, this setting is "No groups", for some modules with group mode turned on at the module level, this setting need to be changed to "No groups" manually.



Step 5: Set access restrictions for a start, close time and group

Start time and close time:

In the Restrict access, click the "add restriction" and select "Date" first, set the date "from". Then click the "add restriction" again and select "Date" again to set the date "until" (The default setting is "from", please manually change "from" to "until"). Students will only be able to join the online invigilation session during the period you've set here.

We would suggest setting the grace time for the student according to the agreed timetable released by Registry.

2022-23 the first semester online exam invigilation requirements

Start time: At least **1 hour** before the exam according to the online exam invigilation requirements in XJTLU 2022 December. (Please refer to the document "[Guide for Online Exam and Invigilation](#)").

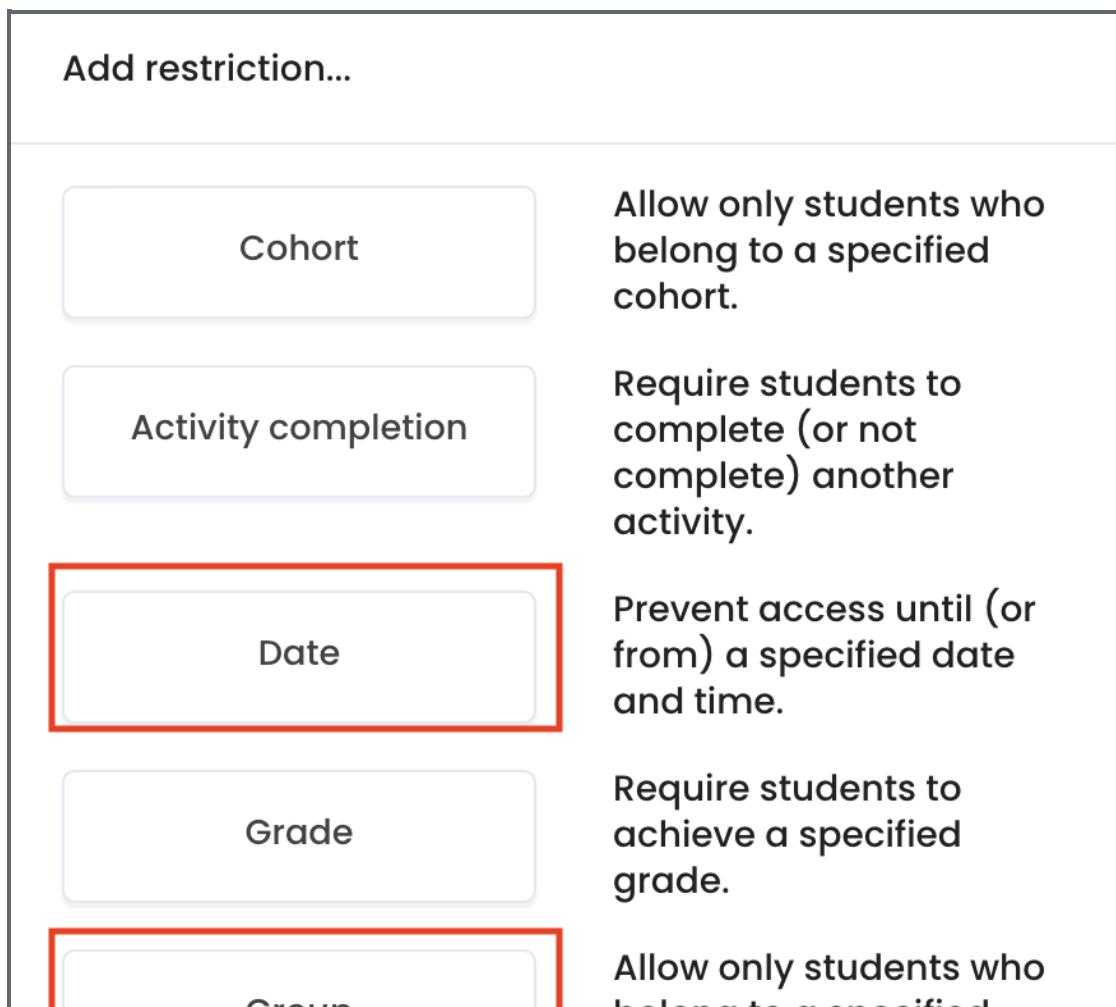
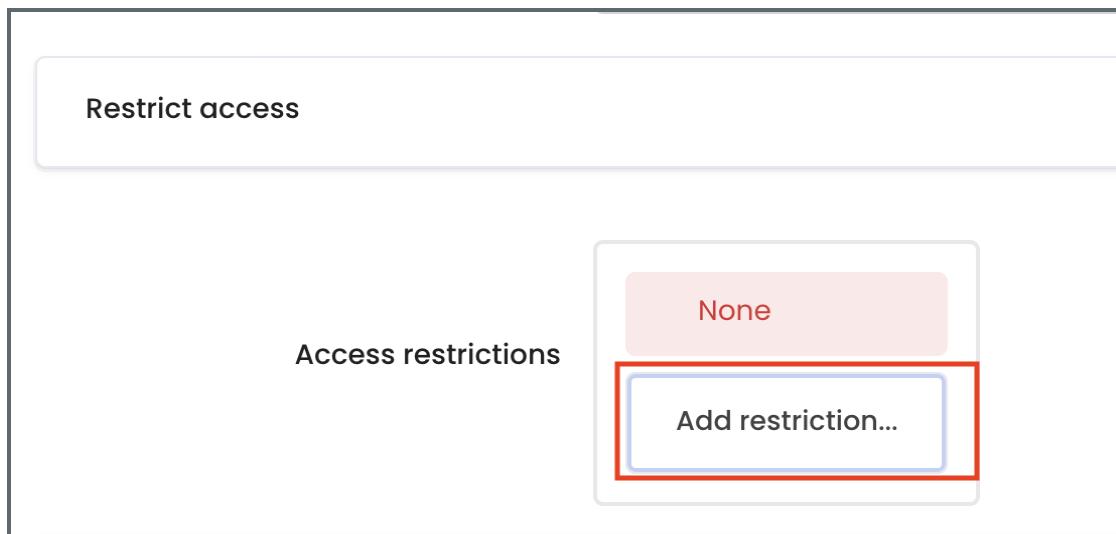
End time: At least **30 minutes** later than the exam due time. Invigilators are asked to check students' identities in 30 minutes before the exam.

Group access restriction:

After setting the date, click "add restriction" a third time and select "Group". Select the **group** named "["Midterm Online Invigilated Exam"](#)" which include the students that will join the online invigilation.

This restriction is very important so that only students in the online exam groups will be able to access the online invigilation room. Students in the face to face exam will not have access to it.

After finishing all the above settings, please click "save and return to course". You will be able to see the restriction condition on the module page and in that way you can double-check if all the conditions are set correctly.



Group

belong to a specified group, or all groups.

Grouping

Allow only students who belong to a group within a specified grouping.

Language

Require students to use a certain language.

Password

Require students to enter a password.

User profile

Control access based on fields within the student's profile.

Relative date

Prevent access until a relative time is reached before/after a course or user date.

Level

Prevent access depending on the level of the user.

Restriction set

Add a set of nested restrictions to apply complex logic.

Cancel

Restrict access

Access restrictions

Student must match all of the following

Date from 20 October 2020 09:00

and

Date until 20 October 2020 11:00

and

Group Group A

Add restriction...

Save and return to course

Save and display

Cancel



Online invigilation

Restricted

Not available unless:

- It is after **20 October 2020, 13:00**
- It is before **20 October 2020, 16:00**
- You belong to **Group A**
 1. exam start date and time
 2. rules and instructions
 3. contact person

Step 6: Join the BigBlueButton session before a student can access

Before the online exam start, the teacher/invigilator can access the online invigilation BigBlueButton and start the session by clicking on the "Join session".

We would recommend teacher/invigilator access **1 hour to 30 minutes** before the students are allowed to join the session.

Online invigilation

This conference room is ready. You can join the session now.

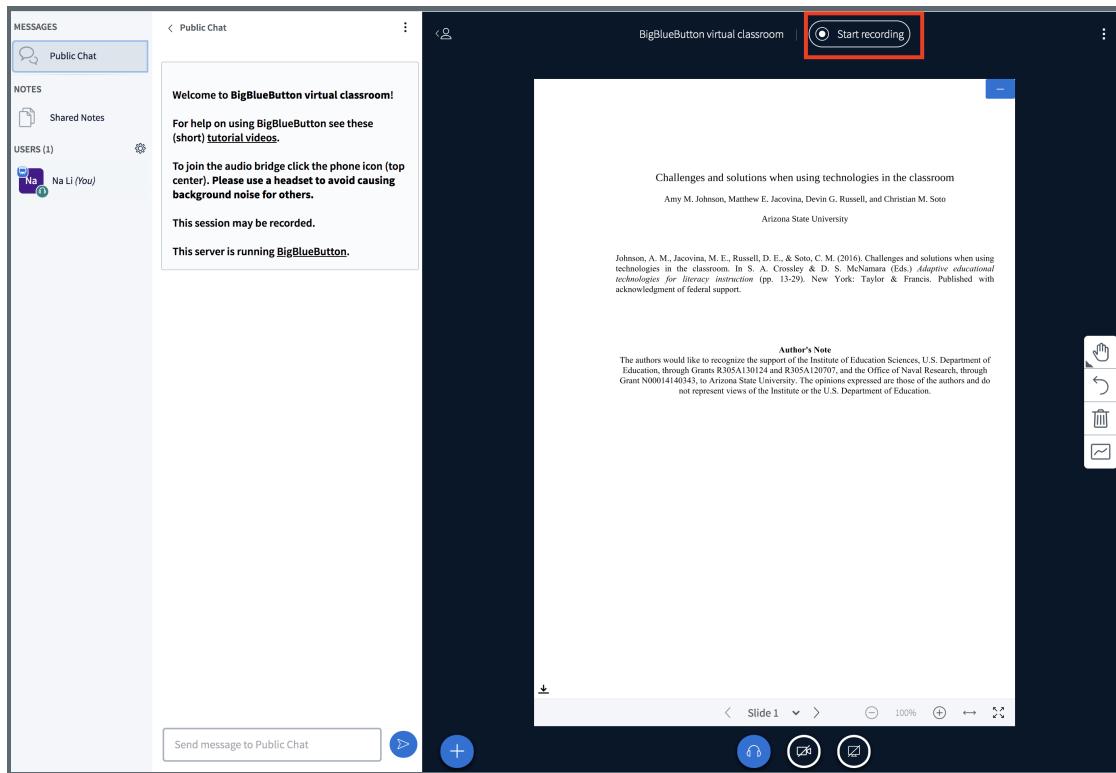
Join session

Recordings

There are no recording to show.

Step 7: Start Recording

Join the session at least 5 minutes before students can access and click the Start recording button on the top to start to record everything within the BigBlueButton.



Step 8: Set the lock viewers settings

Within the BigBlueButton session, please click the setting icon and select "Lock viewers", on the pop-up page, please lock the "see other viewers webcams", "share microphone", "send private chat messages", "edit shared notes". And then click "apply".

The purpose for these settings are as following:

1. To lock "see other viewers webcams", so that students can only see their own camera, not other students. As the below screenshot shows. The teacher view can see all the students' camera, but the example student can only see her own camera. This is to protect students' personal privacy and also to reduce the bandwidth.
2. To lock "share microphone", so that all the students are muted and they cannot use the microphone to interrupt other students.
3. To lock "send private chat messages", so that students cannot use the private chat to discuss the exam without invigilation within the BigBlueButton. If students have problems during the exam, they can use the public chat to seek help from the teacher/invigilator.
4. To lock "edit shared notes", so that students cannot use the shared notes to post anonymous messages and avoid confusions.

 With the upgrade of the BigBlueButton, both module leader and invigilator now can set the lock viewers' settings at the BBB activity setting. Please get into the BBB activity setting and select "Lock settings". For details, please see the last screenshot of this section.

USERS (1)



Na Li (You)



Clear all status icons

Turn off meeting mute

Save user names

Lock viewers

Create breakout rooms

Write closed captions

Lock viewers

These options enable you to restrict viewers from using specific features.

Feature	Status
---------	--------

Share webcam	Unlocked <input type="button" value=""/>
--------------	--

See other viewers webcams	Locked <input type="button" value=""/>
---------------------------	--

Share microphone	Locked <input type="button" value=""/>
------------------	--

Send Public chat messages	Unlocked <input type="button" value=""/>
---------------------------	--

Send Private chat messages	Locked <input type="button" value=""/>
----------------------------	--

Edit Shared Notes	Locked <input checked="" type="button" value=""/>
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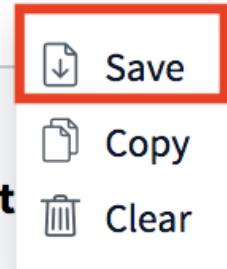
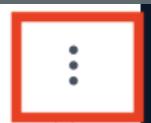
See other viewers in the Users list	Unlocked <input type="button" value=""/>
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Cancel

Apply

Step 9: Use the public chat to support students during the invigilation

We would recommend that teachers/invigilators use the public chat area to support students' questions during the invigilation, the chat can be downloaded for the record.

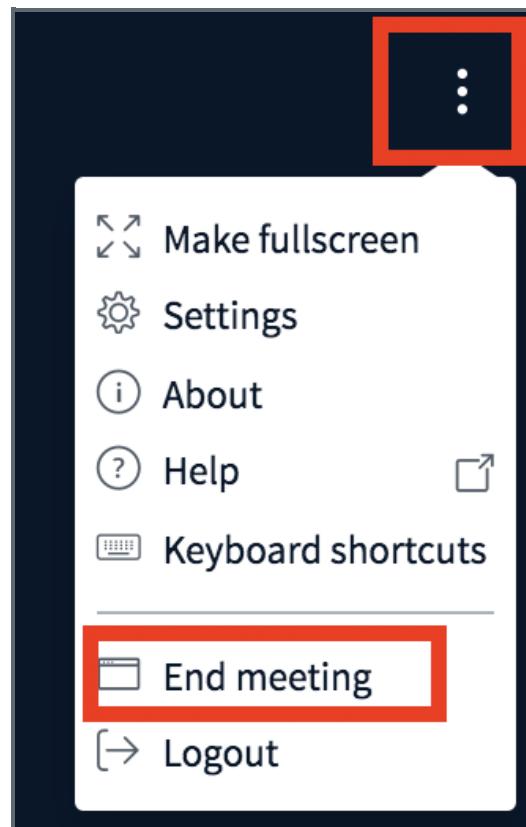
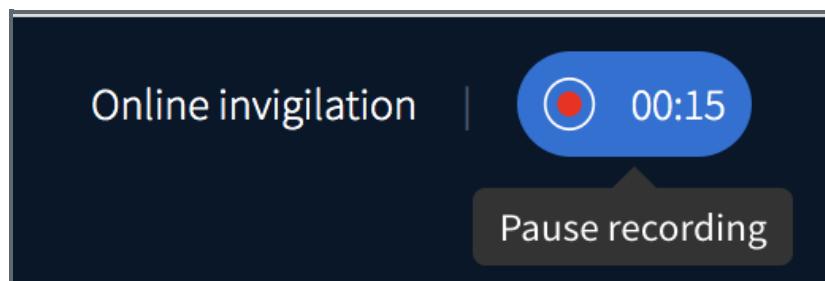


Welcome to Online invigilat

[For help on using RioBlueButton see this](#)

Step 10: Stop recording and end the session when the exam finishes

When the exam finishes, please pause recording by clicking on the red dot and end the session by clicking the three dots on the right top.



Tips:

After setting this up, we would suggest doing a **Mock exam** with the invigilation before the real exam.

