

Overview

The UG Quants project has produced a course that can be downloaded from our website (www.ugquants.sps.ed.ac.uk). These are Moodle courses that are intended to be imported into a Moodle instance and then can optionally be ‘remixed’ using a Moodle plugin called the ‘Sharing cart’. Below we will outline the various steps to do this.

Pre-requisites

1. A Moodle installation. The current downloadable course archive has been tested against Moodle versions 2.5 & 2.6.
2. The following Moodle plugins (you will need your Moodle site administrator to install these):
 - a. **Subpage**
https://github.com/moodleou/moodle-mod_subpage
 - b. **Tab display**
https://docs.moodle.org/25/en/Tab_display_module
https://github.com/oohoo/moodle-mod_tab
 - c. **Navigation buttons**
https://moodle.org/plugins/view/block_navbuttons
<https://github.com/davosmith/moodle-navbuttons>
 - d. **Sharing cart** *
https://moodle.org/plugins/view/block_sharing_cart
https://github.com/VERSION2-Inc/moodle-block_sharing_cart
* Required if you want to ‘remix’ the course materials
 - e. **Select missing words**
https://moodle.org/plugins/view/qtype_gapselect
https://github.com/moodleou/moodle-qtype_gapselect
 - f. **Drag and drop onto image** *
https://moodle.org/plugins/view/qtype_ddimageortext
https://github.com/moodleou/moodle-qtype_ddimageortext
* Requires installation of ‘Select missing words’ plugin
 - g. **Drag-and-drop matching** *
https://moodle.org/plugins/view/qtype_ddmatch
https://github.com/jmvedrine/moodle-qtype_ddmatch
3. MathJax javascript library
MathJax is included in Moodle version 2.7 or newer, details can be found here:
https://docs.moodle.org/27/en/MathJax_filter
For older versions of Moodle there are two options for including Mathjax:
 - a. Download and follow the instructions here:
https://github.com/oohoo/moodle-filter_mathjax
 - b. Reference the library from the vendor’s CDN, see instructions below (Moodle site administrator role required).
4. A downloaded copy of one of our courses in .mbz format.

MathJax installation

Go to Site Administration > Appearance > Additional HTML. Insert the following block of HTML code into the text box labelled ‘Within HEAD’:

```
<script type="text/javascript"
src="cdn.mathjax.org/mathjax/latest/MathJax.js?config=TeX-AMS-
MML_HTMLorMML"></script>
```

Additionally, ensure that your text editor is set to use the TeX filter. e.g. To configure this in TinyMCE:

Go to Site Administration > Plugins > Text editors > TinyMCE HTML editor > Insert equation, make sure the checkbox labelled 'Require TeX filter' is checked.

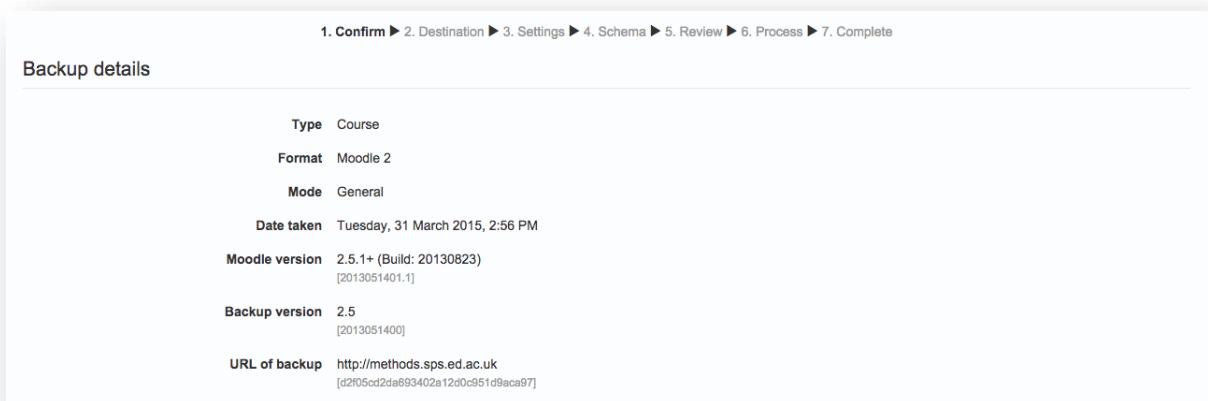
Installing one of our courses

To install one of our courses you use Moodle's restore function upload the course that we have 'backed up' and distributed. During the restore process, you will be given the option to restore as a new course or into an existing course. If you are a teacher or a course manager you can restore a course replacing one you have permissions for. If you wish to restore a course to a new course you should ask your Moodle site administrator.

1. Go to any of your course
2. Course administration > Restore

Click on [Choose a file...](#) and browse to select the .mbz course file file you have downloaded (i.e. backup-moodle2-course.mbz)

3. Click [RESTORE](#)
4. You can see a very detailed overview about the course. Scroll down and click [Continue](#)



The screenshot shows the Moodle backup details screen. At the top, there is a progress bar with steps: 1. Confirm (selected), 2. Destination, 3. Settings, 4. Schema, 5. Review, 6. Process, 7. Complete. Below the progress bar, the title is "Backup details". The main content area displays the following information:

Type	Course
Format	Moodle 2
Mode	General
Date taken	Tuesday, 31 March 2015, 2:56 PM
Moodle version	2.5.1+ (Build: 20130823) [2013051401.1]
Backup version	2.5 [2013051400]
URL of backup	http://methods.sps.ed.ac.uk [d2f05cd2da683402a12d0c951d9aca97]

5. Restore as a new course (recommended and default)
6. Select a category (this will differ depending on your setup)
7. Click on the first/top [Continue](#) button, don't scroll down

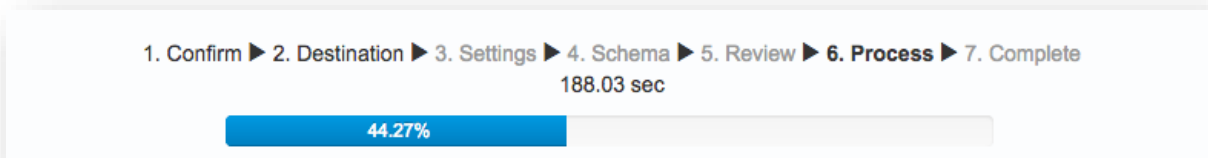
1. Confirm ▶ 2. Destination ▶ 3. Settings ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. Complete

Restore as a new course

Restore as a new course

Select a category	Name	Description
Miscellaneous		

8. Click [NEXT](#) (step 3. Settings)
9. You can rename the course and change the starting date (our course is in [topic format](#), but it is irrelevant, if you build up your own course using Sharing Cart)
10. Select/deselect specific items if you want to. Click [NEXT](#)
11. Click [Perform restore](#) (step 5. Review)
12. Wait patiently (step 6. Process)



13. Click [Continue](#) and your *Core* course is available

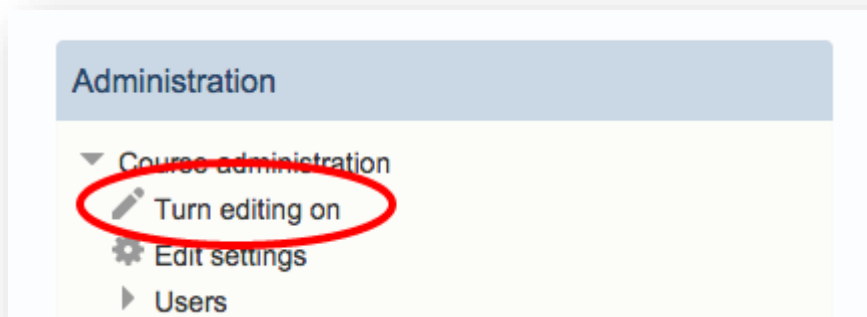
1. Confirm ▶ 2. Destination ▶ 3. Settings ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. **Complete**

The course was restored successfully, clicking the continue button below will take you to view the course you restored.

Creating a new course from our material


Once one of our courses is installed you may not wish to use ALL of the material. One option is to delete and add material to the imported course, however we would recommend using a Moodle plugin called the Sharing Cart to move the content that you want from our repository course into a new one. The Sharing Cart will duplicate any activity in any course that a teacher has access to. You can copy resources to the cart from one course, then out of the cart into another course with just a few clicks. The Sharing Cart is viewable only by teachers, course creators and administrators.

1. Go to the course you want to copy resources from.
 - a. UGQuants Taster
2. Turn editing on

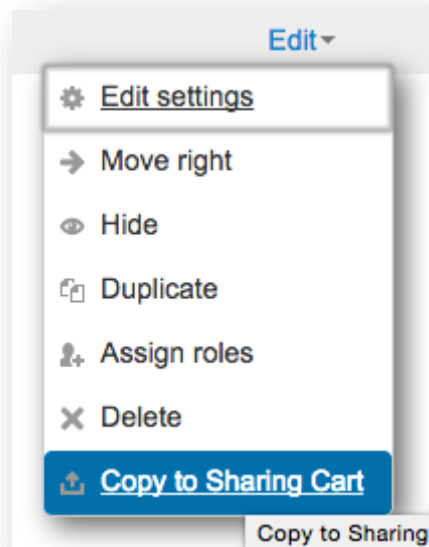


3. Add the *Sharing Cart* block.

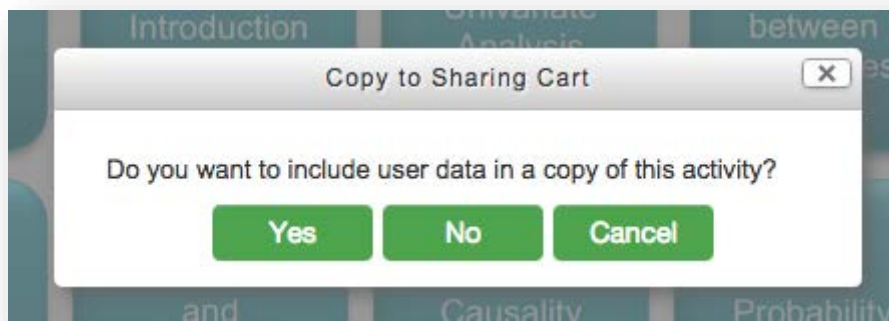


4. You can move your *Sharing Cart* block to the upper right of your page using  (Move Sharing Cart block)

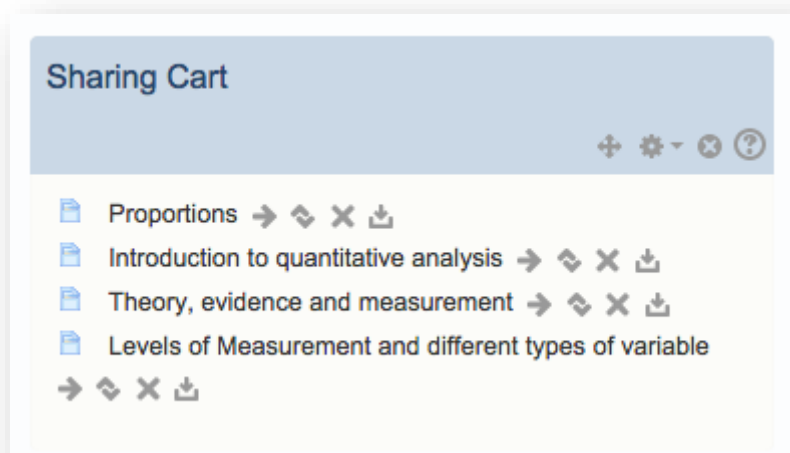
5. Click the [Copy to Sharing Cart](#) icon next to the part of the course resource in question.



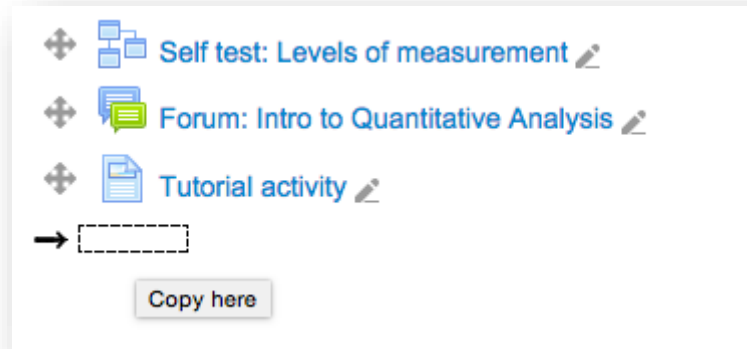
6. Do you want to include user data in a copy of this activity? Choose: **NO**



7. Collect all of your activities. They appear in your *Cart*.



8. You can also use folders inside the *Sharing Cart*. Click the → (move) icon on a course content item and an input box will appear. Type the name of the folder there.
9. Go to the course you want to copy resources to.
10. Add the *Sharing Cart* block again. Move it to a handy place.
11. Click the 📄 (copy to course) icon next to the resource in the *Sharing Cart*.
12. You can see many dotted boxes appear in the center column.



13. Click where you'd like the resource to appear in the course.
14. You can re-order the activities using ✚ (move resource)
15. Click the ✕ icon (Delete Sharing Cart block) to turn off the Sharing Cart, although the contents of the Sharing Cart will remain there when you turn it on again.
16. You can delete everything easily from your Cart, clicking on 🗑️ (Bulk delete)