

How to set up grade calculations based on existing activities

Edit calculation

Grade item

Item name: Group assignment w1

Calculation: $=[[group]]*0.3+[[individual]]*0.7$

Save changes Cancel

ID numbers

- Tom in Wonderland
 - Course total
 - Assignment 1
 - Group assignment-contribution assessment: $[[group]]$
 - Individual assignment: $[[individual]]$
 - Attendance
 - Group assignment w1**

An example of calculating the grade items

Overview:

Occasionally, an assessment of a module involves multiple learning activities. Teacher may need to combine the grades of several activities into a single score by applying different weighting. This guide will demonstrate how to calculate the grades from different activities via a formula to display the desired grades in the Gradebook.

What to know:

A grade item may correspond to an existing activity, such as Assignment, Quiz, or Workshop within the Gradebook. It represents a unit [usually an activity] through which students are assessed via a grade or mark. As such, a grade item serves either as a container for grades or a collection of settings that govern these grades. These settings affect how the grades are calculated and displayed in the gradebook reports and exports.

Table of Contents

- [Step 1: Navigate to Gradebook setup](#)
- [Step 2: Add a grade item](#)
- [Step 3: Name the Grade item](#)
- [Step 4: Edit calculation of the grade item](#)
- [Step 5: Name the affected activities](#)
- [Step 6: Input the calculated formula for the affected activities](#)
- [Step 7: Calculated grades in Gradebook](#)

Step 1: Navigate to Gradebook setup

In Grades section of the Module, select "Gradebook setup" from the Grader report dropdown menu.

Tom in Wonderland: View: Grader report

[Course](#)
[Settings](#)
[Participants](#)
[Grades](#)
[Reports](#)
[More](#)

Grader report

View

- Grader report
- Grade history
- Outcomes report
- Overview report
- Single view
- Grade summary
- User report

Setup

- Gradebook setup
- Course grade settings
- Preferences: Grader report

More

- Scales

		Tom in Wonderland	
ID number	Email address	Department	Assignment 1
	LM.connect@xjtlu.edu.cn		-
	student8@nonmail.com		66.83
110000817	Peichenq.Liu@xjtlu.edu.cn	Learning Mall	-
Overall average			52.35

Step 2: Add a grade item

Create a blank grade item by clicking the button at the top center.

Tom in Wonderland: Setup: Gradebook setup

[Course](#)
[Settings](#)
[Participants](#)
[Grades](#)
[Reports](#)
[More](#)

Gradebook setup
Add grade item
Add outcome item
Add category

Gradebook setup

Name	Weights	Max grade	Actions
Tom in Wonderland			
Assignment 1	25.0	100.00	Edit
Group assignment-contribution assessment	25.0	100.00	Edit
Individual assignment	25.0	100.00	Edit
Attendance	25.0	100.00	Edit

Step 3: Name the Grade item

Assign a name in the "Item name" section, which will later help students will be able to locate this activity. Then save the changes at the bottom of this page.

Grade item

Item name:

Show more...

Grade type:

Scale:

Maximum grade:

Minimum grade:

Hidden

Locked

Parent category

Weight adjusted

Weight:

Extra credit

Step 4: Edit calculation of the grade item

Return to the Gradebook setup interface. Click the "Edit" button and choose "Edit calculation" from the dropdown menu to modify the calculation for this grade item.

Individual assignment	<input type="text" value="20.0"/>	100.00	<input type="button" value="Edit"/>
Attendance	<input type="text" value="20.0"/>	100.00	<input type="button" value="Edit"/>
<input type="checkbox"/> Group assignment w1	<input type="text" value="20.0"/>	100.00	<input type="button" value="Edit"/>
Course total		500.00	

-
-
-
-
-

Step 5: Name the affected activities

Before calculating any activities, make sure you name each activity in the provided box next to each activity and click "Add ID numbers" to save these names.

Edit calculation

Grade item

Item name: Group assignment w1

Calculation:

Save changes Cancel

ID numbers

- Tom in Wonderland
 - Course total
 - Assignment 1
 - Group assignment-contribution assessment:
 - Individual assignment:
 - Attendance
 - Group assignment w1

Add ID numbers

Now, you should be able to see that the activities involved have been saved, each with its own ID name.

Edit calculation

Grade item

Item name: Group assignment w1

Calculation:

Save changes Cancel

ID numbers

- Tom in Wonderland
 - Course total
 - Assignment 1
 - Group assignment-contribution assessment:
 - Individual assignment:
 - Attendance
 - Group assignment w1

Add ID numbers

Step 6: Input the calculated formula for the affected activities

Grade calculations follow the pattern of formulas in popular spreadsheet programs. They start with an equal (=) sign, and use common mathematical operators and functions to produce a single numerical output. This output is then used as the computed value for the grade item you are editing.

Edit calculation

▼ **Grade item**

Item name: Group assignment w1

Calculation: $=[[group]]*0.3+[[individual]]*0.7$

Save changes Cancel

ID numbers

- Tom in Wonderland
 - Course total
 - Assignment 1
 - Group assignment-contribution assessment: $[[group]]$
 - Individual assignment: $[[individual]]$
 - Attendance
 - Group assignment w1**

Every grade calculation must start with an equal sign (=) followed by an expression using operators and functions supported by the system. All common arithmetic operators are supported.

addition, using the plus (+) sign

subtraction, using the minus (-) sign

multiplication, using the asterisk (*) character

division, using the slash (/) character

Step 7: Calculated grades in Gradebook

The added Grade item now display the grades with calculated weighting for the affected activities in the Gradebook.

Grader report

All participants: 8/8

First name: All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Last name: All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

First name / Last name	ID number	Email address	Department	Group assignment-contrib...	Individual assignment	Group assignment w1	Att
Lc LM connect		LM.connect@xjtlu.edu.cn		-	-	-	-
SE Student Eight		student8@nonmail.com		59.44	70.00	66.83	
PL Peicheng Liu	110000817	Peicheng.Liu@xjtlu.edu.cn	Learning Mall	-	-	-	
SN Student Nine		student9@nonmail.com		-	-	-	
SS Student Seven		student7@nonmail.com		60.33	60.00	60.10	
SS Student Six		taromist@163.com		64.85	90.00	82.46	
ST Student Ten		student10@nonmail.com		-	-	-	
YZ Yixuan Zhang	110000806	Yixuan.Zhang@xjtlu.edu.cn	Learning Mall	0.00	-	0.00	
Overall average				46.15	73.33	52.35	

Tips:

Make sure the affected activities are shown in the Gradebook, otherwise the newly added Grade item will not display as expected.

Online URL: <https://knowledgebase.xjtlu.edu.cn/article/how-to-set-up-grade-calculations-based-on-existing-activities-403.html>