

How do I use weighted mean of grades with "Natural" aggregation?

You will learn how to use weighted mean of grades aggregation with the "Natural" or default aggregation method within the gradebook in your course.

1. View your syllabus grade structure.

<u>Assignment</u>	<u>Points (Percentage of Total)</u>	
Bio and Photo	25	5%
Opinion Paper	100	15%
Critical Analysis	100	15%
Social Order	100	15%
Research Proposal	200	30%
<u>Final Exam</u>	<u>125</u>	<u>20%</u>
<u>Totals</u>	<u>650</u>	<u>100%</u>

2. Click on Grades.

Online Education and Training - f-2-f

[My home](#) ▶ [My courses](#) ▶ [Miscellaneous](#) ▶ [Online Education and Training - f-2-f](#)

ADMINISTRATION

▼ Course administration

- ✎ Turn editing off
- Activity chooser off
- ⚙ Edit settings
- ▶ Users
- ▼ Filters
- ▶ Reports
- 📅 **Grades**
- 🔄 Outcomes



✚ News forum ✎



Topic 1



3. The Grader report will display.

The Grader report page displays as the default entry point into the gradebook for instructors. The Grader report page is similar to a spreadsheet showing all of the student names and the Grade items for your course. Students will only see the User report page which shows only their own grades.

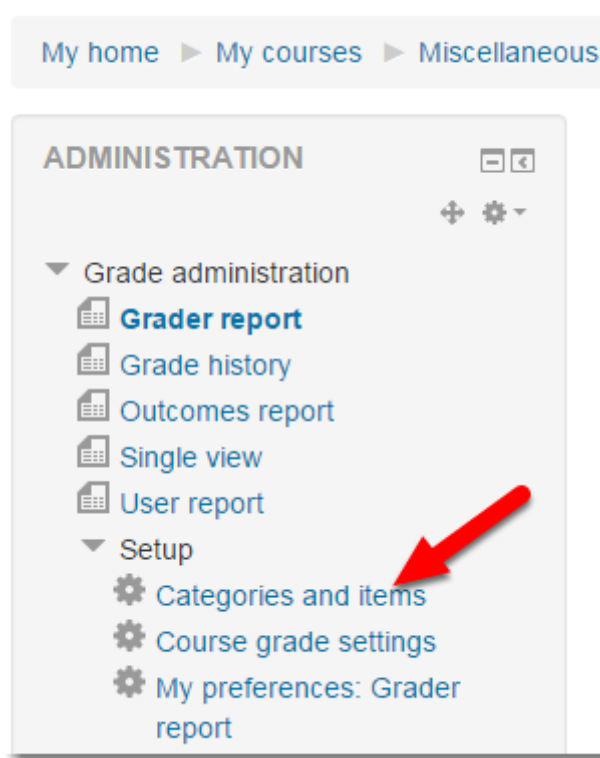
There are several functions you can perform within the Grader report page. You can [enter student grades in existing grade items](#), you can view the student grades at a glance, and you can easily navigate to other pages within the Grade administration module.

The screenshot shows the Grader report page with a breadcrumb trail: My home > My courses > Miscellaneous > Online Education and Training - f-2-f > Grade administration > Grader report. On the left is an 'ADMINISTRATION' sidebar with options: Grade administration (Grader report, Grade history, Outcomes report, Single view, User report, Setup, Import, Export, Letters, Outcomes, Scales) and Course administration. The main content area has a 'Grader report' dropdown, the title 'Grader report', and 'All participants:10/10'. It includes filters for 'First name' and 'Last name', both set to 'All' with an alphabetical index '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'. Below is a table with columns: Last name, First name, Email address, and Course total. The first row shows 'Spencer Bean' with email 'spencerbean@titaniumlearning.com' and a total of '-'. A second row for 'Sam De Niro' is partially visible.

4. Click on Setup to expand that section.

This screenshot is identical to the previous one, but with a red arrow pointing to the 'Setup' option in the 'ADMINISTRATION' sidebar. The breadcrumb trail and main content area are the same.

5. Click on Categories and items.



6. The Categories and items page displays.

The **Categories and items** page is where you add and organize Grade items and Categories (folders of Grade items). You can also create custom calculations and choose various methods of aggregating grade items.

Categories and items

Categories and items

Name	Weights ?	Max grade	Actions
Online Education and Training - f-2-f		-	Edit ▾
Σ Course total		0.00	Edit ▾

Save changes

Add category

Add grade item

Add outcome item

7. Here is the Categories and items page with the Grade items added.

Read this article to learn how to [create Grade items](#) and this article for how to [create Categories](#).

The **Natural** aggregation method is the default for TITANIum. This means that the grade items are summed up to reach the course total. However, we can also use the Natural aggregation method to create a weighted mean of grades aggregation.

Categories and items

Name	Weights ?	Max grade	Actions
Online Education and Training - f-2-f		-	Edit
Course total		650.00	Edit
<input checked="" type="checkbox"/> Bio and Photo	<input type="checkbox"/> 3.846	25.00	Edit
<input checked="" type="checkbox"/> Opinion Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Critical Analysis Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Social Order Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Research Proposal	<input type="checkbox"/> 30.769	200.00	Edit
<input checked="" type="checkbox"/> Final Exam	<input type="checkbox"/> 19.231	125.00	Edit

8. Note the Weights column.

Categories and items

Name	Weights ?	Max grade	Actions
Online Education and Training - f-2-f		-	Edit
Course total		650.00	Edit
<input checked="" type="checkbox"/> Bio and Photo	<input type="checkbox"/> 3.846	25.00	Edit
<input checked="" type="checkbox"/> Opinion Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Critical Analysis Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Social Order Paper	<input type="checkbox"/> 15.385	100.00	Edit
<input checked="" type="checkbox"/> Research Proposal	<input type="checkbox"/> 30.769	200.00	Edit
<input checked="" type="checkbox"/> Final Exam	<input type="checkbox"/> 19.231	125.00	Edit

9. Tick the check box and type the desired weight.

Now, repeat that action with the rest of the grade items.

Name	Weights ?
Online Education and Training - f-2-f	
Course total	
<input checked="" type="checkbox"/> Bio and Photo	<input checked="" type="checkbox"/> 5
<input checked="" type="checkbox"/> Opinion Paper	<input type="checkbox"/> 15.385

10. When finished, click on Save changes.

<input checked="" type="checkbox"/> Critical Analysis Paper	<input checked="" type="checkbox"/> 15	100.00	Edit
<input checked="" type="checkbox"/> Social Order Paper	<input checked="" type="checkbox"/> 15	100.00	Edit
<input checked="" type="checkbox"/> Research Proposal	<input checked="" type="checkbox"/> 30	200.00	Edit
<input checked="" type="checkbox"/> Final Exam	<input checked="" type="checkbox"/> 20	125.00	Edit

11. Click on User report.

ADMINISTRATION

- Grade administration
 - Grader report
 - Grade history
 - Outcomes report
 - Single view
 - User report**
 - Setup
 - Import
 - Export
 - Letters

Categories and items

Categories and items

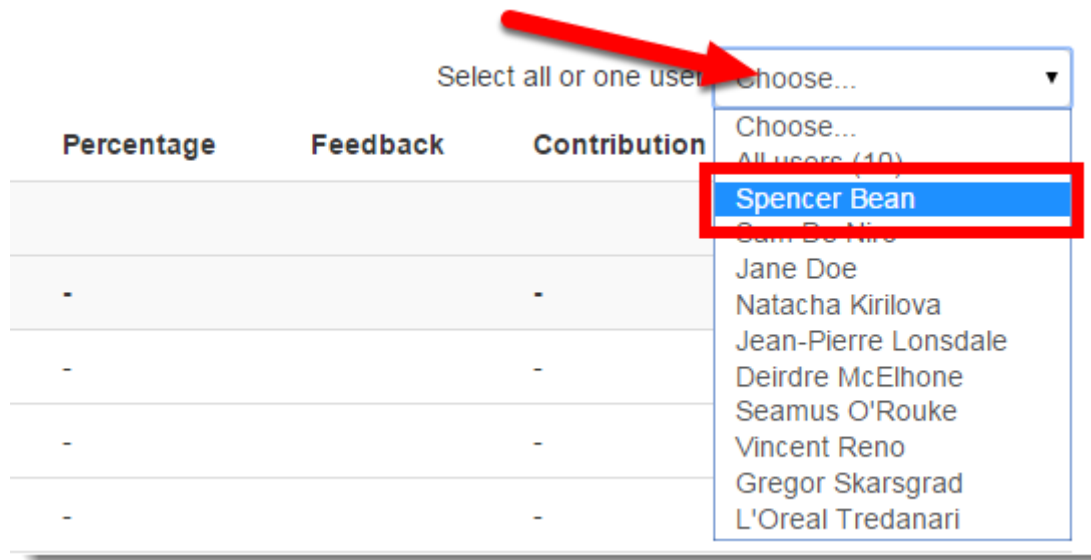
Name

Online Education and Training - f-2-f

Course total

Bio and Photo

12. Choose a student from the drop down menu.



13. The User report displays the student's view of the gradebook.

Looking at the Calculated weight column, we see the same weights that were created in the Categories and items page.

User report - Spencer Bean

Select all or one user Spencer Bean						
Grade item	Calculated weight	Grade	Range	Percentage	Feedback	Contribution to course total
■ Online Education and Training - f-2-f						
Σ Course total	-	597.03	0-650	91.85 %	-	-
☑ Bio and Photo	5.00 %	25.00	0-25	100.00 %		5.00 %
☑ Opinion Paper	15.00 %	95.00	0-100	95.00 %		14.25 %
☑ Critical Analysis Paper	15.00 %	90.00	0-100	90.00 %		13.50 %
☑ Social Order Paper	15.00 %	86.00	0-100	86.00 %		12.90 %
☑ Research Proposal	30.00 %	180.00	0-200	90.00 %		27.00 %
☑ Final Exam	20.00 %	120.00	0-125	96.00 %		19.20 %

Article Summary

You have now learned how to use the Natural (default) aggregation method to create weighted mean of grades aggregation.