

Performance+ Guide for Staff

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What is Performance+?

Performance+ is a suite of tools in Amathuba that provides lecturers and faculty administration with valuable insights about their students' access to the platform, courses they are enrolled in, and engagement within these courses. While the Class Progress tool provides insights into how individual students are engaging with your course, Performance+ has several elements that allow different perspectives of this data including, but not limited to the following:

For lecturers and course convenors

- An overview of the engagement of your class as a whole
- Filter by specific behaviours and characteristics
- Compare the behaviour of current and previous cohorts
- Analyse performance of quizzes

For programme convenors and faculty and departmental roles

- An overview of the engagement at programme level
- Compare engagement and access on courses within the programme
- Compare engagement among cohorts of the same programme
- Compare engagement across different programmes
- Individual student view across all the courses they are registered for

Elements of Performance+

Insights Portal

The Insights Portal provides access to three dashboards:

- Engagement Dashboard
- Learner Engagement Dashboard
- Assessment Quality Dashboard

Accessing and Navigating the Insights Portal Dashboards

The Dashboards can be accessed via the **Insights Portal** tab on the Amathuba **Home Screen**.

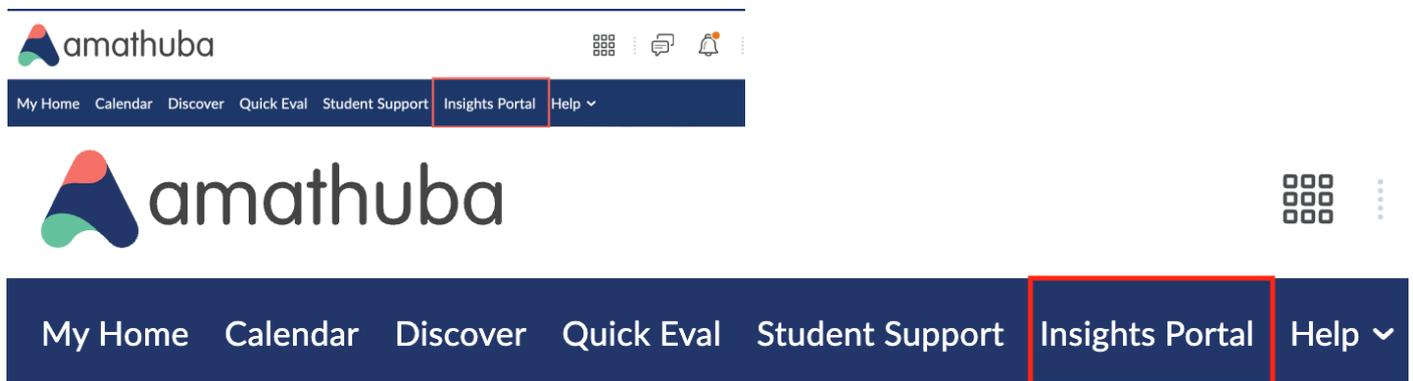


Figure 1: Finding the Insights Portal

You will have access to data for courses where you are enrolled in a lecturer or support staff role. After selecting the Insights Portal on the home nav bar, you will have the option of selecting one of the dashboards mentioned above.

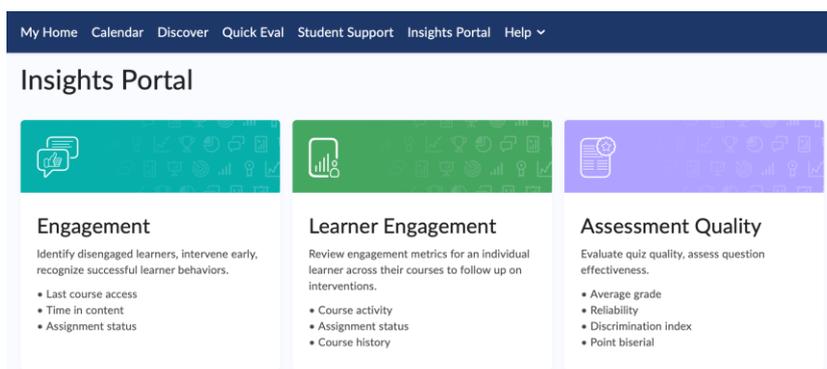


Figure 2: Accessing Insights Portal Dashboards

To get started, first select the relevant semester(s) from the Semester filter, then select the relevant course(s)/department(s)/faculty from the Org Unit filter.

Step 1: Select the relevant semester(s) from the Semester filter

Org Unit: All ▼ Semester (1) ▼ **Step 1**

Clear

- 2026 (Id: 46037)
- Continuing Ed (Id: 39693)
- 2025 (Id: 15061)
- 2024 (Id: 13128)

Step 2: Select the relevant course(s)/department(s)/faculty

Filter By **Step 2** Clear

Search...

- ECO1010 (Id: 9583) ▼
 - ECO1010F 2024 | Microeconomics (Id: 46633)
 - ECO1010S 2024 | Microeconomics (Id: 74496)
- ECO1011 (Id: 9590) ▶
- ECO2003 (Id: 40397) ▼
 - ECO2003F 2024 | Microeconomics II (Id: 40398)
 - ECO2003L 2024 | Microeconomics II (Winter term) (Id: 46523)

Figure 3: Filtering Dashboards

The tiles on the dashboard are clickable and allow you to filter by users with certain characteristics or grades, for e.g. you can select users with overdue assignments to view how this group has engaged with the course in terms of the other engagement parameters being displayed, such as Content views, Grades, and Course Access. You can also select multiple filters e.g. students who have overdue assignments AND last accessed the course more than 7 days ago by clicking the coloured bars or numbers. These filters are displayed in the top left corner, above the dashboard tiles. To clear the filters, either click the “X” or “Clear all”.



Figure 4: Interactive dashboards

Dashboard settings

The settings menu for each dashboard can be accessed by selecting the ellipses in the top right corner of the screen. Note that the Engagement Dashboard and Learner Engagement dashboard are connected and therefore share settings.

Engagement Dashboard

[Export to CSV](#) ⋮

Org Unit: All ▾ Semester (1) ▾

Figure 5: Dashboard settings

The settings allow you to:

- Filter by roles (e.g. students only) (Learner Engagement and Engagement Dashboards)
- Select which tiles you want to display. E.g. if you do not use discussions in your course you may want to de-select the discussion activity tile (Learner Engagement and Engagement Dashboards)
- Select which table metrics to include in the results table (Learner Engagement and Engagement Dashboards)
- Select which user level metrics to include when the user level is selected (Learner Engagement Dashboard – navigable via Engagement Dashboard)

Dashboards

Facebook: /CILT.UCT Web: www.cilt.uct.ac.za Service Portal: uct.service-now.com Email: cilt-helpdesk@uct.ac.za Phone: 021 650 5500

Engagement Dashboard

The purpose of the Engagement dashboard is to get an overview of how students are engaging with your course. It also allows you the ability to look at specific groups of students to ascertain their behaviour and answer questions such as:

- How are the high/low performers engaging with the course?
- How are the students with overdue assignments engaging with the course?
- How are students who have not accessed the course for more than 7 days performing?
- Which students are not accessing the course/performing poorly/spending an adequate amount of time on the course site

Note: You can send personalised messages to disengaged students sending them specific resources, modules or directing them to set up a consultation session with you via [Intelligent Agent](#).

Dashboard Elements

Dashboard element	Definition
Results	number of students represented by the charts in the dashboard
Overdue assignments	number of students meeting the filters applied to the dashboard who have one or more overdue assignments. An overdue assignment is defined as an assignment where the due date has passed but no assignment has been submitted or completed by the student. Note that if you have used the Assignments tool for a purpose that did not require students to submit, this will reflect as an overdue assignment
Discussion Activity	number of discussions created = 'Threads,' replied to = 'Replies,' and read = 'Reads.' If you hover over a pie segment, a pop-up appears with a number and description of the segment. Depending on how you have used the discussions in your course, this may be helpful for understanding the proportion of passive and active social engagement
System Access	indicates the number of students who have not accessed the system in the previous 14 days. Access is counted whether the student is using the Amathuba Pulse app or Amathuba in a browser
Current Grade	chart of the number of students who have achieved grades, displayed in 10th percentile groupings. Note: The display of these grades depends on the use of the Grades setting "Treat ungraded items as zero." If selected each student's total grade will be displayed as (total accumulated grade/final grade) x100. If not selected, the student's total grade will display as (total accumulate grade/possible accumulated grade to date) x100
Time in Content vs. Grade	the chart plots students' grades against the amount of time they spend in the content in minutes. If you click a quadrant, the dashboard filters on the students and their courses in that quadrant. When you apply filters to the report, the scatterplot also changes to reflect the new query results
Course Access	the number of days since students last accessed the course
Content View	the Content View chart shows how many times students visited course content
Results	For each user, the following information is included in the table: <ul style="list-style-type: none"> • First and last name, username, and UserId • Number of the user's courses reflected in the query results • Average grade across the user's courses reflected in the query results • Average time in the content for the courses reflected in the query results • Average discussion activity for threads created, threads read, and replies for the courses reflected in the query results • The last time the student accessed the system

Learner Engagement Dashboard

The Learner Engagement Dashboard contains visualizations for engagement metrics, such as course activity, assignment status, and course history, for an individual student across all their courses. You may search for a student by name, surname, or student number. You can expand the tiles using the icon in the top right corner or click the arrows in the bottom right corner to view the other courses the student is enrolled in.

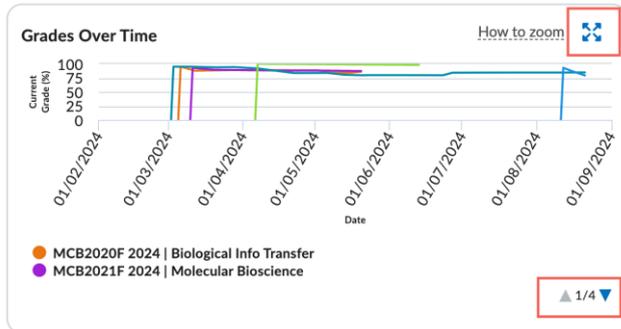


Figure 6: Grades over time in Learner Engagement Dashboard

Note: The Engagement Dashboard and Learner Engagement Dashboard share the same settings. Users on the Learner Engagement Dashboards whose roles are included in the Role filter setting on the Engagement Dashboard will be displayed here.

Dashboard Elements

Note: The results in this table may differ from the number of courses that the student is enrolled in depending on your permissions. E.g. if the student is enrolled in 4 courses but you are only enrolled as a lecturer or support staff member in one of those courses, you will only see the data pertaining to the course for which you have the relevant permissions.

Dashboard element	Definition
Courses in View	number of courses (active and inactive) in the summary view based on the filters and permissions applied
Average Grade	the average current grade or final grade for completed courses for the user across all the courses in the summary view, for which you have the relevant permissions. Note that this is subject to settings applied in the Grades tool.
Overdue Assignments	the number of assignments in the courses displayed in the summary view when the due date is in the past and there is no assignment submission or completion.
System Access	the number of days since the user last accessed the system.
Grades Over Time	the student's current grade for each week in the selected timeframe as a line graph. Each course is represented by a color-coded line, and when you click on a line, the other lines become greyed out. Adjusted and calculated grades are included.
Content Views Over Time	For the courses in view, the number of content topic views for the student for each week in the selected timeframe as a line graph.
Course Access Over Time	displays the number of course accesses for the student for each week in the selected timeframe as a stacked area chart
Course Name	The course for which the following metrics are displaying (could be an Active or Inactive course)
Current Grade	Current Grade for the above-mentioned course
Predicted Grade	For users of the Student Success System (Not yet active), the predicted grade appears on this view for active courses with a model
Time in Content (mins)	Time in minutes that the user has spent in content of the above-mentioned course
Discussion Activity	Number of threads created, read, and replied to for the given course
Course Last Access	The date and time the student last accessed the course

Assessment Quality Dashboard

This dashboard provides visualizations to help users understand the quality of assessments using quiz and question statistics such as reliability, average grade, and correlation for all quiz and question types. Note that the Assessment Quality Dashboard will include all instances in which the Quizzing tool was used. If you have used the Quizzes tool for another purpose, this will affect the results.

Under the settings (ellipses in top right corner of the screen) you can select the tiles and measures you want to include on the dashboard as well as change the threshold for flagging items on the dashboard.

The dashboard has 3 views: the landing page, the Quiz Item Analysis area, and the Preview Question area.

Landing Page Summary

The landing page shows you visualizations combining the data from all the quizzes that you manage that meet the criteria (must have at least one attempt). The data on this page enables you to analyse and identify quizzes that are underperforming in terms of grade scores and reliability. You may search for a specific quiz by entering the quiz name or quiz ID. The Landing page includes the following cards:

- **Results:** the number of quizzes that you manage and meet the criteria applied to the dashboard
- **Low Average score:** the number of quizzes that have an average score lower than a certain threshold
- **Flagged Quiz items:** the number of quizzes with one or more questions that are outside the set threshold for acceptable values
- **Quiz reliability:** a bar chart representation of the number of quizzes that have: Outlier, Low, Moderate and High reliability coefficient

Quiz Details

The search bar, allows you to search for a specific quiz by entering the quiz name or quiz ID.

Column name	Column Description
Quiz	Name of the quiz, truncated to 160 characters, and unique identifier. Also includes the name and ID of the course offering it is a part of.
Average Score	Calculated as a percentage using the score for each user's first attempt at the quiz.
Reliability Coefficient	Reliability is calculated for all questions whether the quiz questions are all dichotomous or not. Reliability will usually range from 0 to 1, but negative values are possible.
Number of Quiz Items	Total number of questions in the quiz.
Flagged Quiz Items	Number of questions that are outside the set threshold for acceptable values in the quiz.
Number of Learner Answers	Number of distinct users who have attempted the quiz.

Quiz Items Analysis

The Quiz Item Analysis Includes the following:

- **Quiz Details:** includes the details from the previous page
- **Low Mean:** counts the number of quiz items with a mean lower than your threshold
- **High Deviation:** counts the number of quiz items with a deviation greater than your threshold
- **Weak Correlation:** counts the number of quiz items with a correlation lower than your threshold
- **High Discrimination:** counts the quiz items with a wide gap between low and high performers

Column Name	Column Description
Question	Question text, truncated to 70 characters, and a unique identifier
Mean	Calculated as a percentage to two decimal places using the score for each user's first attempt at the question.
Top Incorrect Answer	Most frequently reported incorrect answer. Only populated for multiple choice and true or false questions
Top Incorrect Answer Rate	Response rate between 0 and 1 for those who selected the most common incorrect answer. Only populated for multiple choice and true or false questions.
In Question Pool	Indicates if the question is part of a question pool (yes or no).
Standard Deviation	The standard deviation of the grade of the question using each user's first attempt.
Correlation	This calculates any possible correlation between the question score and the total quiz score. Displays N/A when all users answer the question correctly.
Discrimination Index	This calculates any possible discrimination in the question between the higher and lower performing students by subtracting the question's lower 27% from its upper 27%. The higher the difference, the better the question discriminates between high and low performing students . A negative value indicates that more low performing students are correctly answering the question than high performing students . This would may indicate a flawed quiz question.
Upper 27%	Average question grade of the users with quiz grades in the top 27%. Note: when there are 10 or fewer question attempts, the upper and lower 50% is considered instead of 27%. This makes the statistic relevant with smaller sample sizes.
Lower 27%	Average question grade of the users with quiz grades in the lowest 27%

Preview Question area

From the quiz Item analysis view, click on a quiz question to navigate to the Preview Question area, where you can preview quiz questions, comments, and hints.

Course Overview Widget

The Widget includes the number of people who have visited the site over the last 7 days and the number of quizzes that have been submitted.

Course Overview includes the following report types:

- **Class Engagement** – summary of each student’s Current Grade, Last Visited Date and Discussion Activity. It also indicates how many students have not visited the course in the past 7 days and shows the grade distribution for the course
- **Course Access** – detail of course access over the selected 7-day period with a trend graph for the specified period. You may select roles
- **Tool Access** – summary of the percentage and total number of views for each tool used in the course. You may select different timespans (7 days, 30 days, or 12 months) or roles