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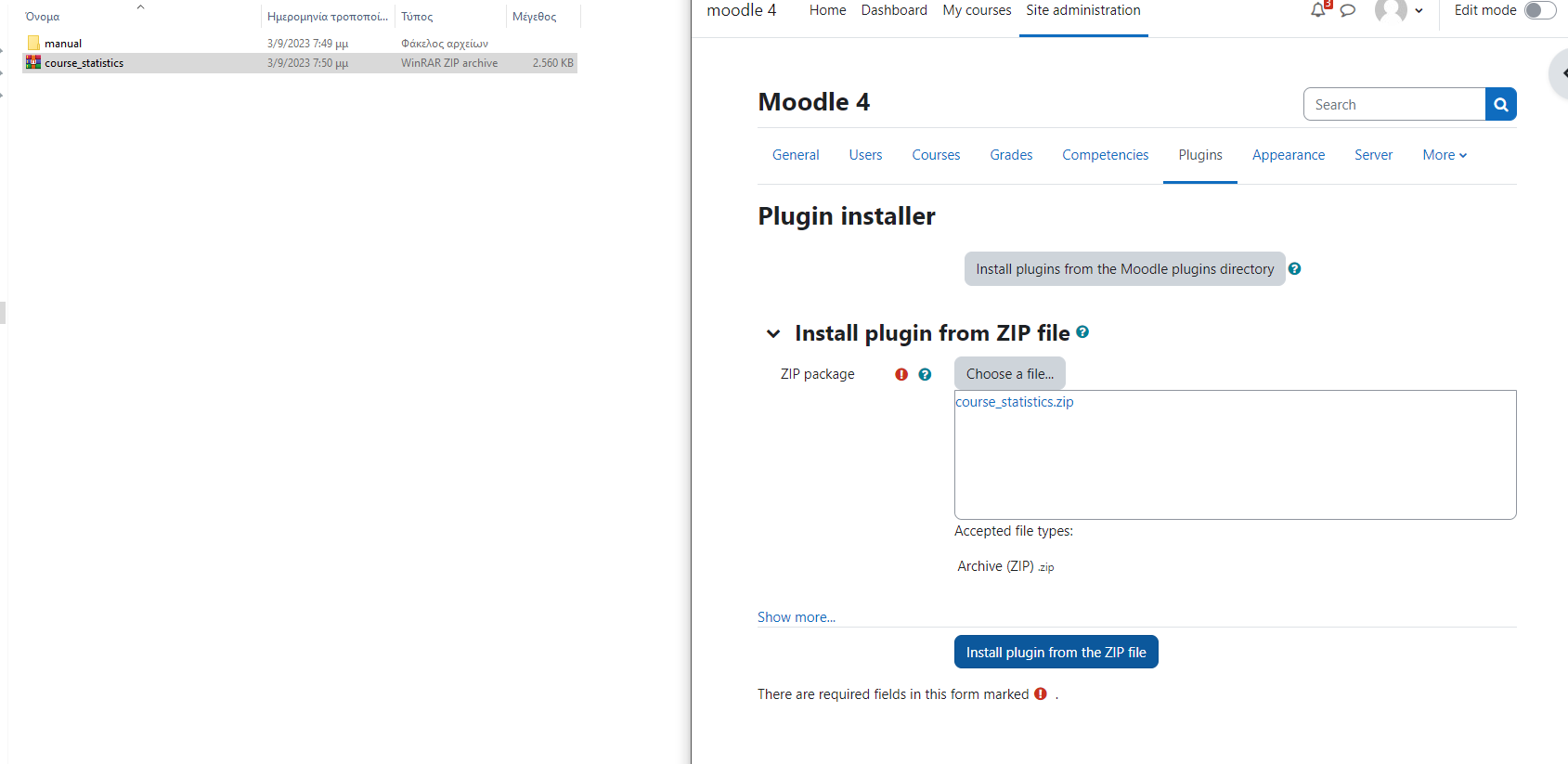
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BLOCK COURSE STATISTICS

### Installation

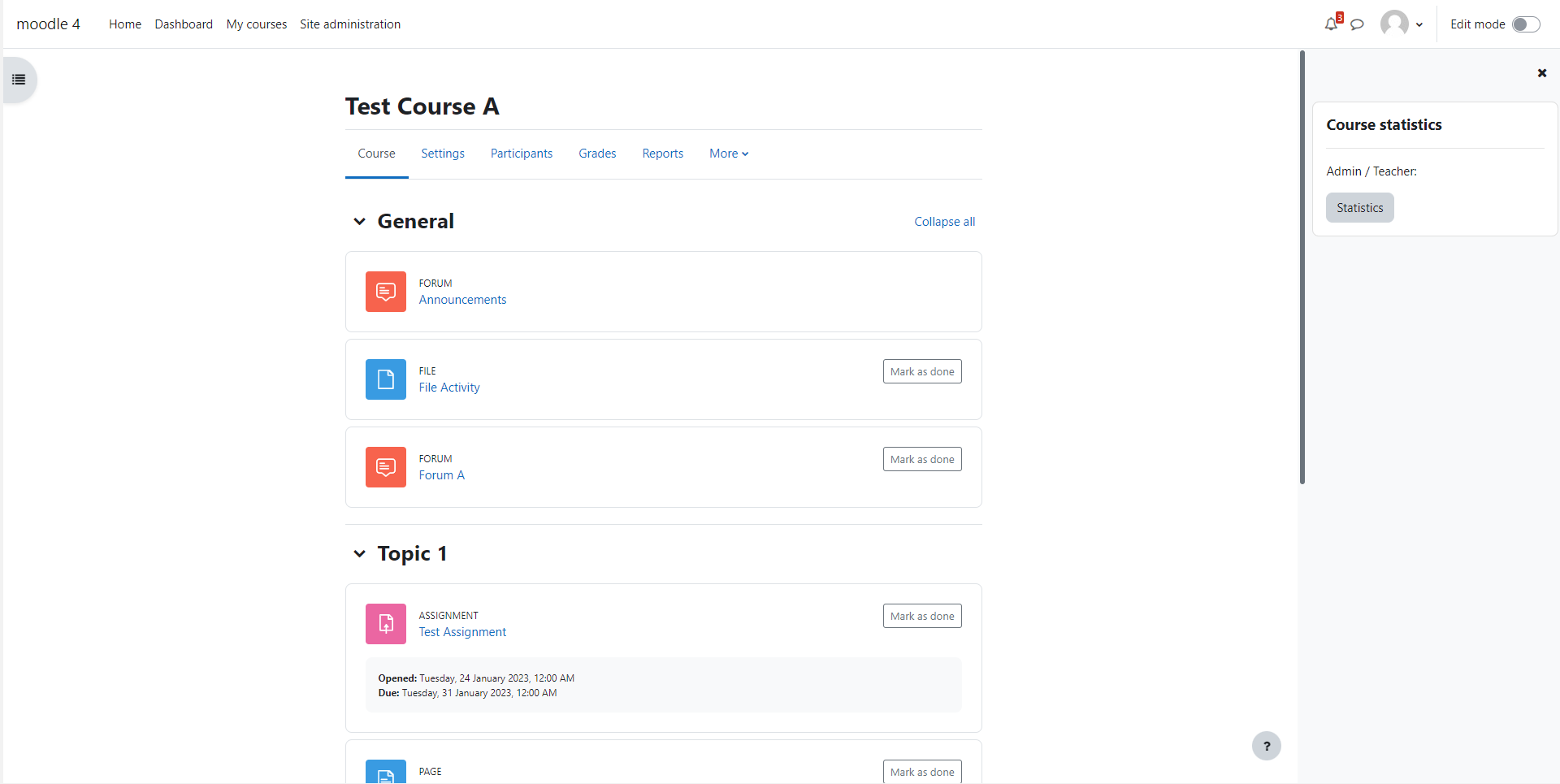
To install the plugin, follow these steps:

1. Navigate to Site Administration > Install Plugin.
2. Choose the zip file and upload it.



### Locating the Plugin

1. Navigate to Site Administration > Manage Courses and Categories.
2. The plugin will be displayed in the right panel as a block.



### Visibility and Access

The block plugin is accessible to users with admin, manager, teacher, and editing teacher roles. While it's not mandatory to install the block in all courses, one installation is sufficient.

Once installed, admins can view statistics for all courses. For teachers, the block must be installed in a course where they have teaching privileges. The block will then identify all other courses where the user is a teacher and display the corresponding statistics.

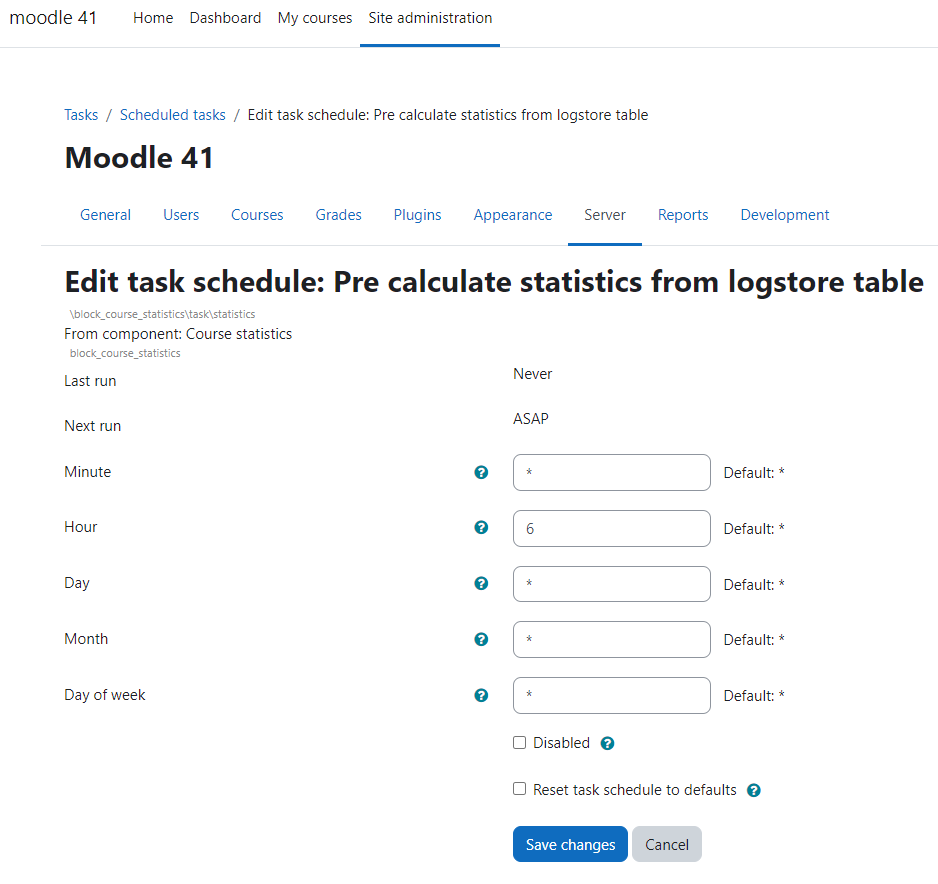
Please note that the manuals for admins and teachers are identical.

### Functionality Overview

The block employs a scheduled task called 'Pre-calculate Statistics from Logstore Table' to extract information from Moodle logs and store it in its own tables.

Consequently, the block presents pre-calculated data from Moodle logs. The task is configured to run every 6 hours to collect data from the logs.

You can modify the scheduled task time at Site Administration > Server > Scheduled Tasks.



### Structure

The plugin is organized into three main sections:

1. The top section houses the main menu.
2. The middle section contains period filters.
3. The third section displays a data table generated based on the main and period filter selections.

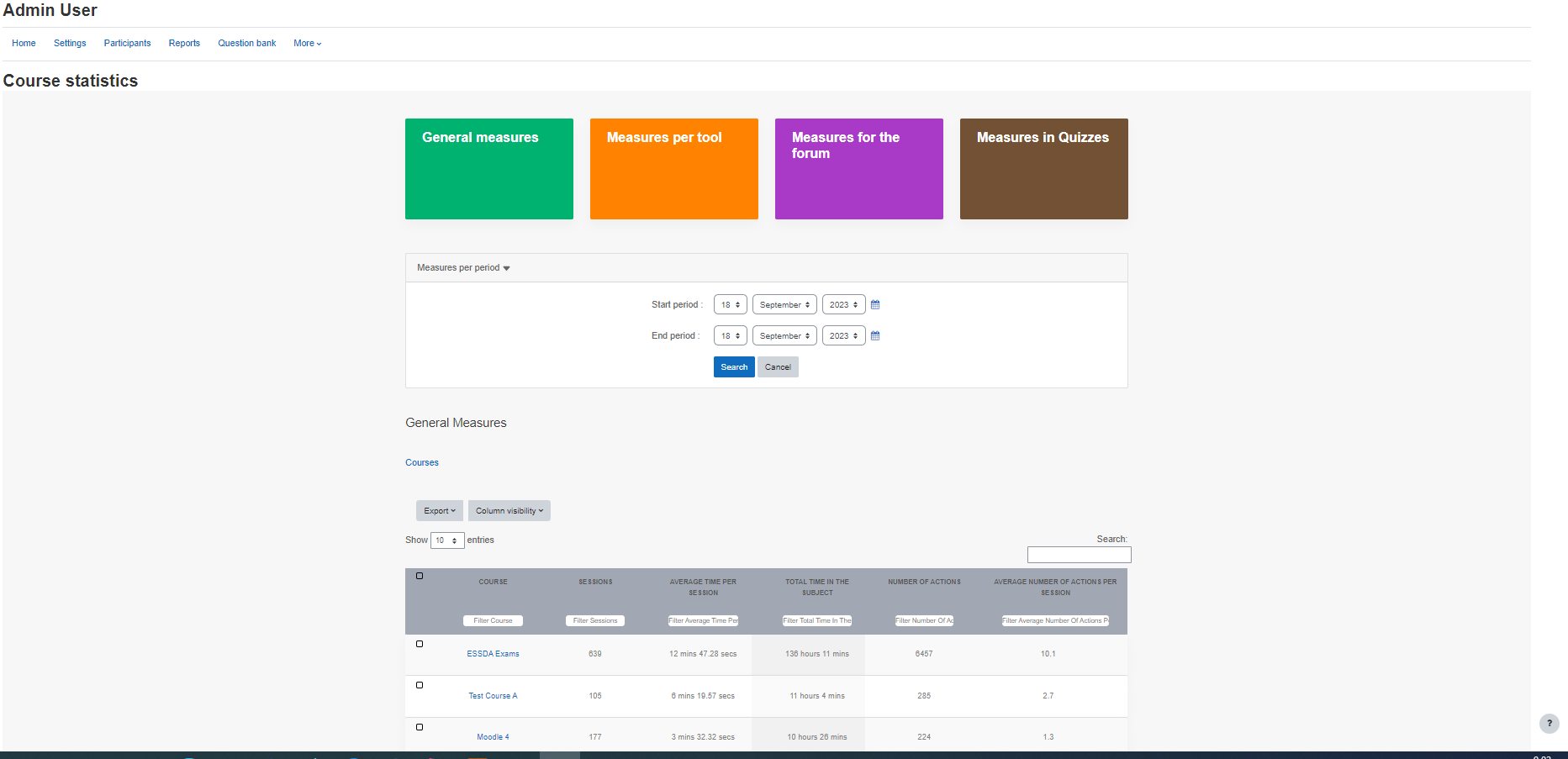
The initial page of the plugin showcases the general measures for the course.

### General Measures

The data table provides the user (teacher/administrator) with fundamental statistics including:

* Course Title
* Sessions in Course (number of times users entered the course)
* Average Time per Session (total time spent by users divided by total sessions)
* Total Time in the Subject (course)
* Number of Actions (actions performed by users in the course, e.g., enter forum, write a post)
* Average Number of Actions per Session (total actions divided by total sessions)

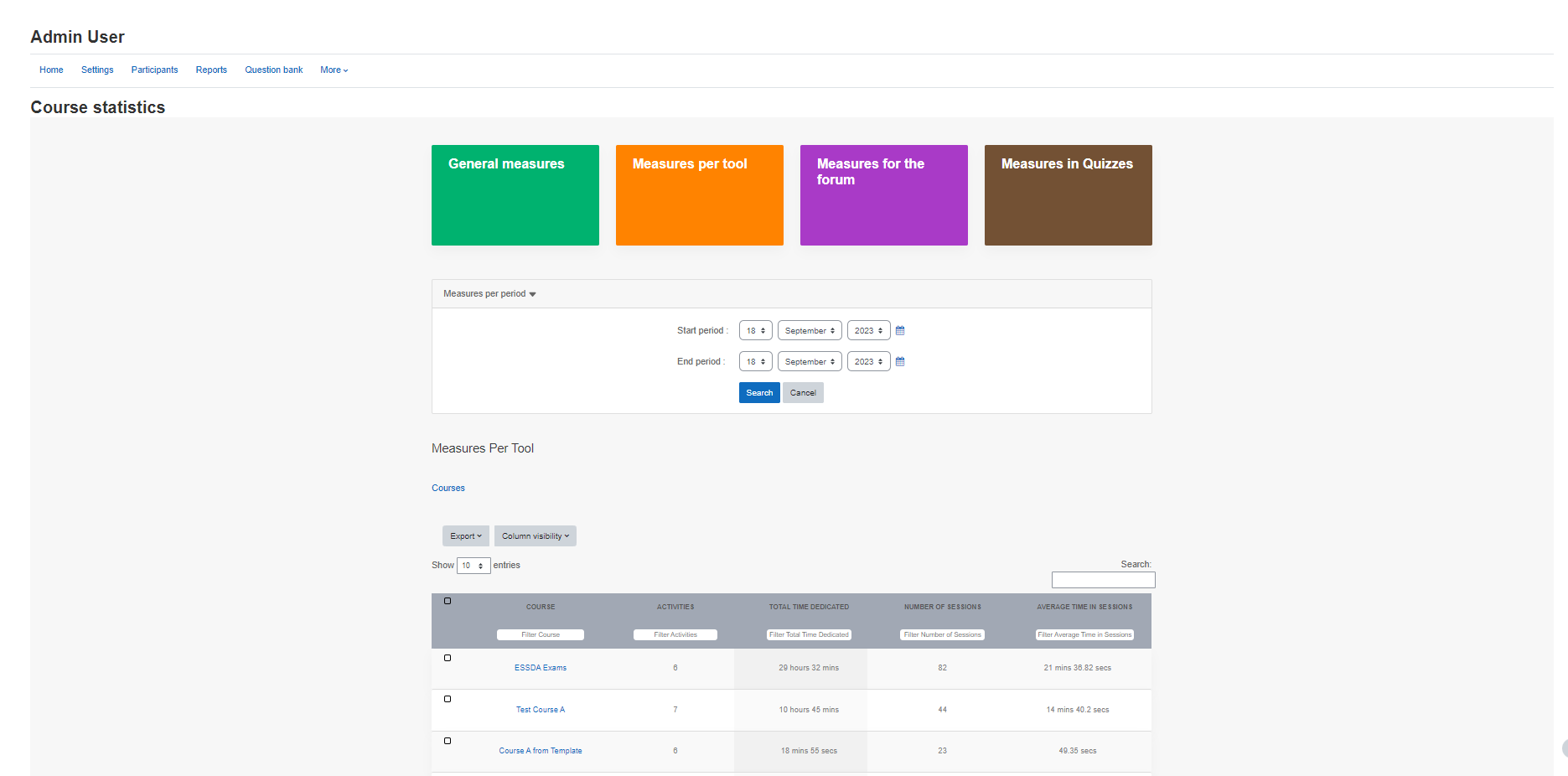
By selecting a course title, the user (teacher/administrator) gains access to more detailed statistics for all users in that course.



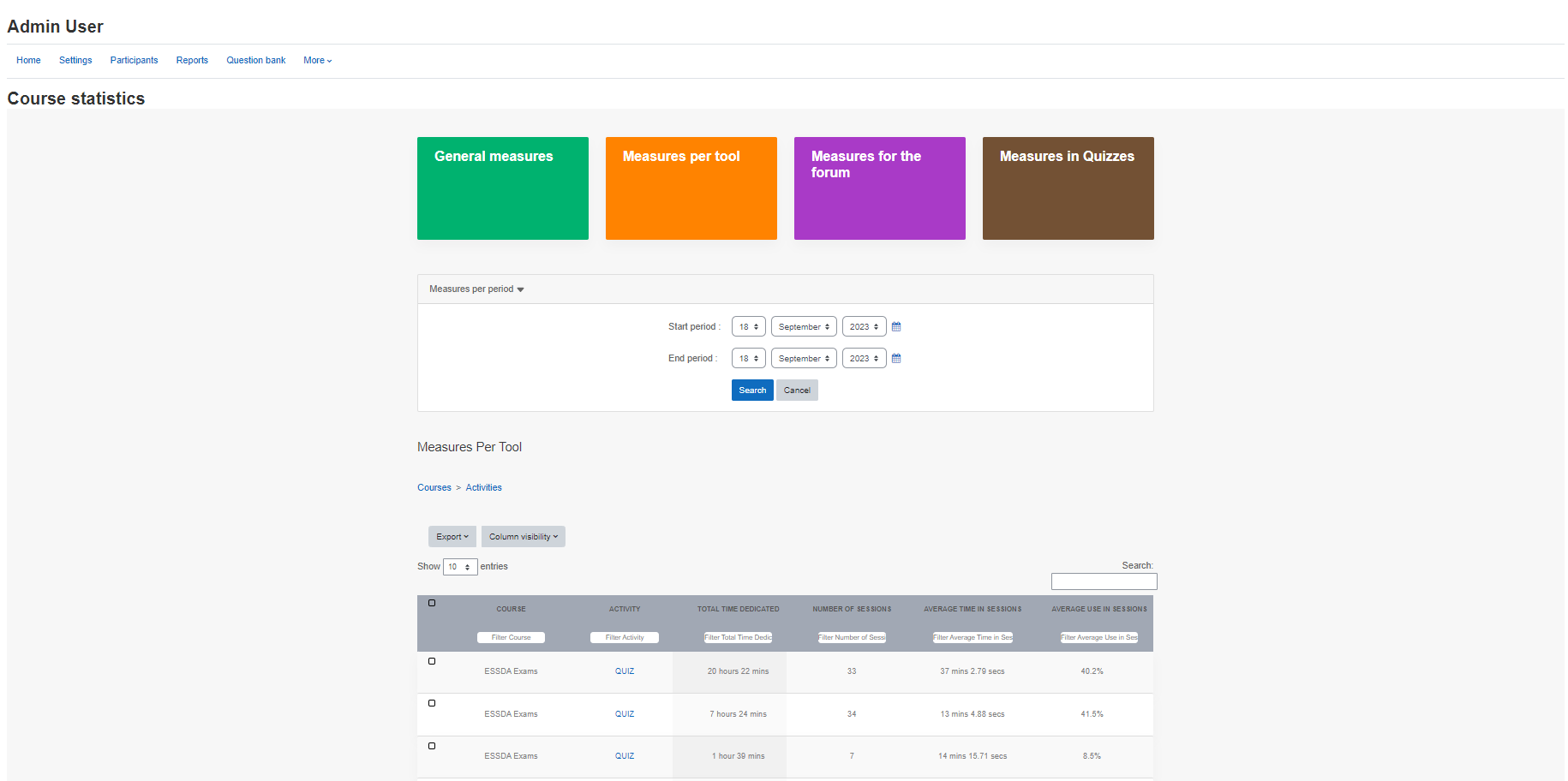
The general measures category consists of two data tables. The first displays total records for each course, while the second provides records for each user in the selected course.

### Measures by Tool

The initial page of Measures by Tool displays total and average time spent by users in the course for each activity, module, or concrete tool. Teachers/administrators can access more detailed statistics by selecting an activity.



Detailed Data table results for all activities in course.

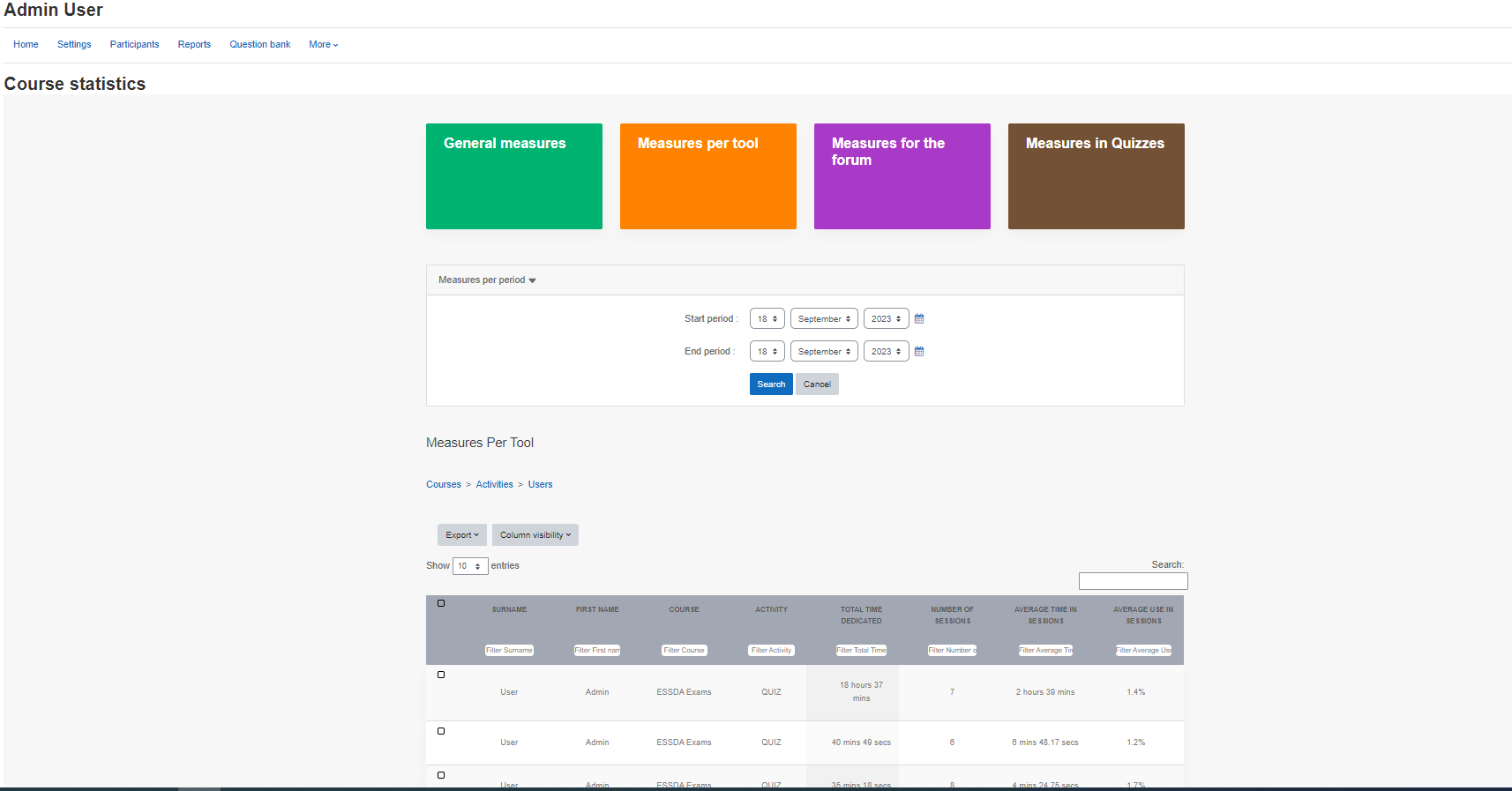


The SCORM and Quiz session time starts when a user enters the activity, not when they start an attempt or SCORM. Both modules/activities include a lobby section. For instance, time spent in the lobby area without entering the quiz or SCORM is counted as a session. Therefore, a session is distinct from an attempt.

Based on the selected activities from the previous page, the teacher/administrator can view the relevant results.

Data table fields include:

* Last Name (user's last name)
* First Name (user's first name)
* Course Title
* Activity (activity in the course where the user was active)
* Total Time Spent (user's time spent in the activity)
* Number of Sessions (how many times the user entered the activity)
* Average Time in Sessions (total time in activity divided by number of sessions)
* Average Usage in Sessions (total course sessions divided by number of times user entered the activity)



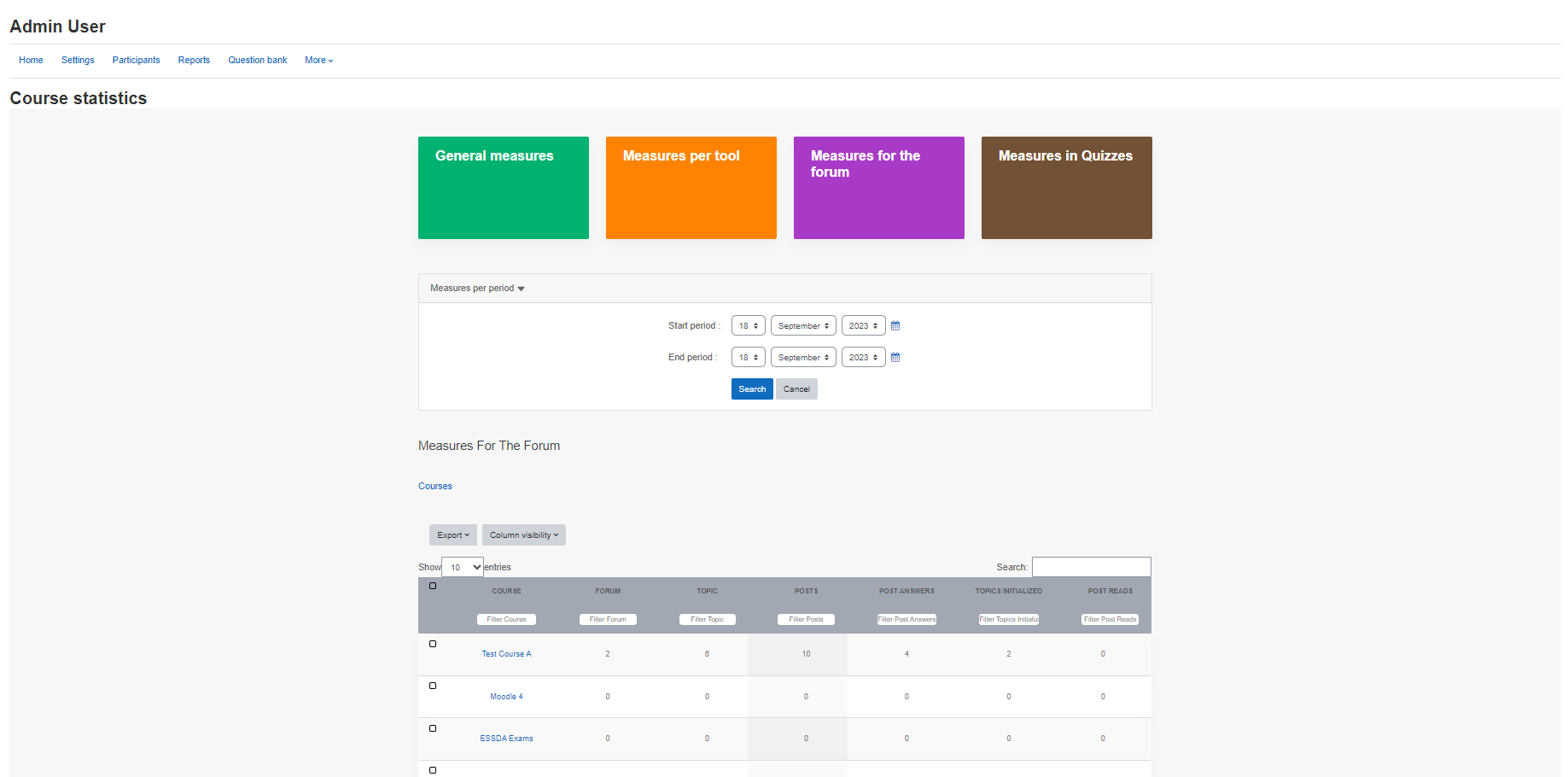
The initial page of Measures by Tool displays total and average time spent by users in the course for each activity, module, or concrete tool. Teachers/administrators can access more detailed statistics by selecting an activity.

### Forum Measures

By selecting the topic name, the teacher/administrator can access detailed statistics for each user active in that topic.

Data table fields include:

* Last Name
* First Name
* Course Title
* Forum Title
* Topic Name (a category in the forum)
* Posts (number of posts by the user in the topic)
* Post Answers (number of posts the user has answered)
* Topic Initialization (optional in this page)
* Post Reads (number of posts read by the user)

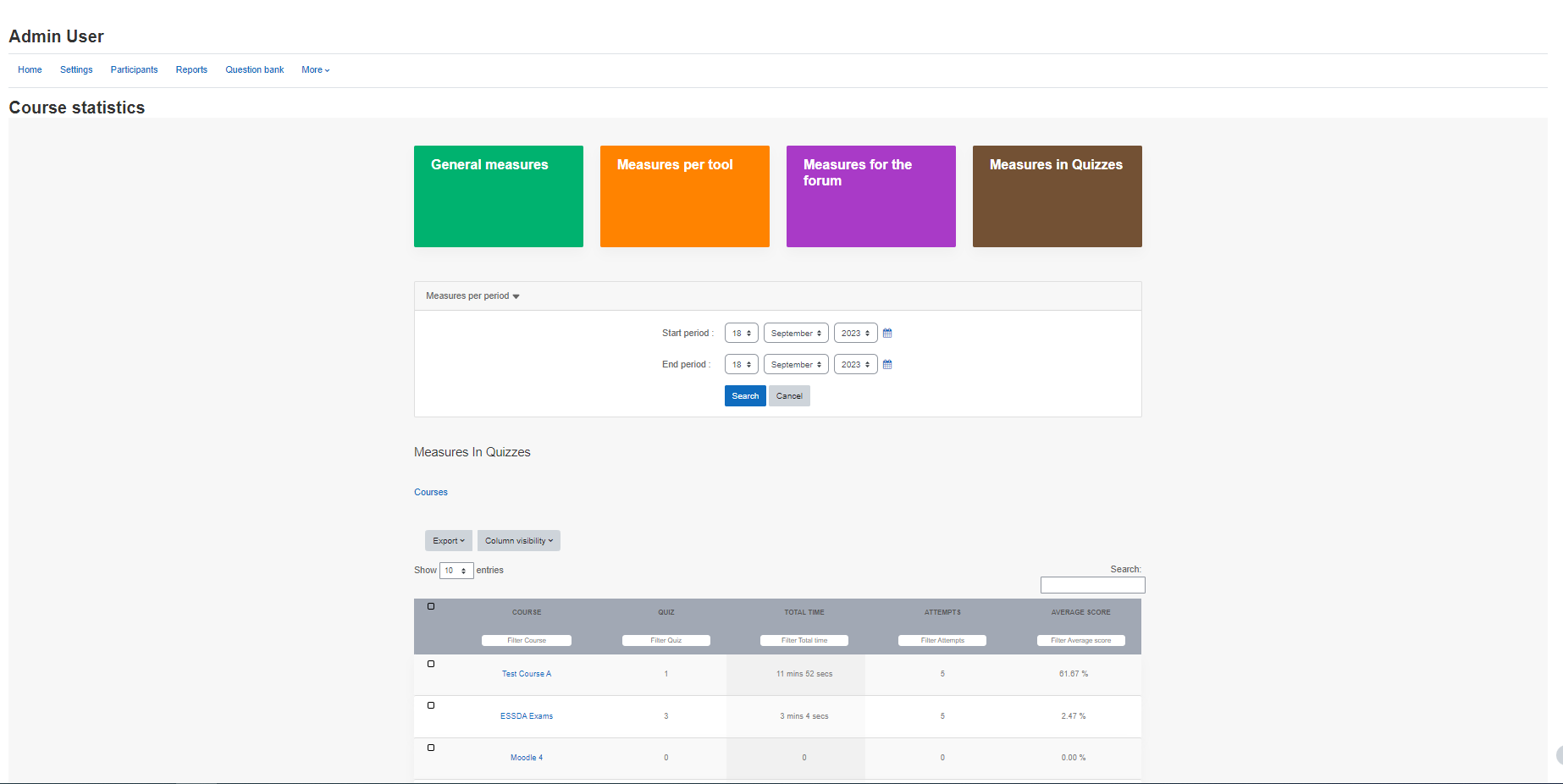


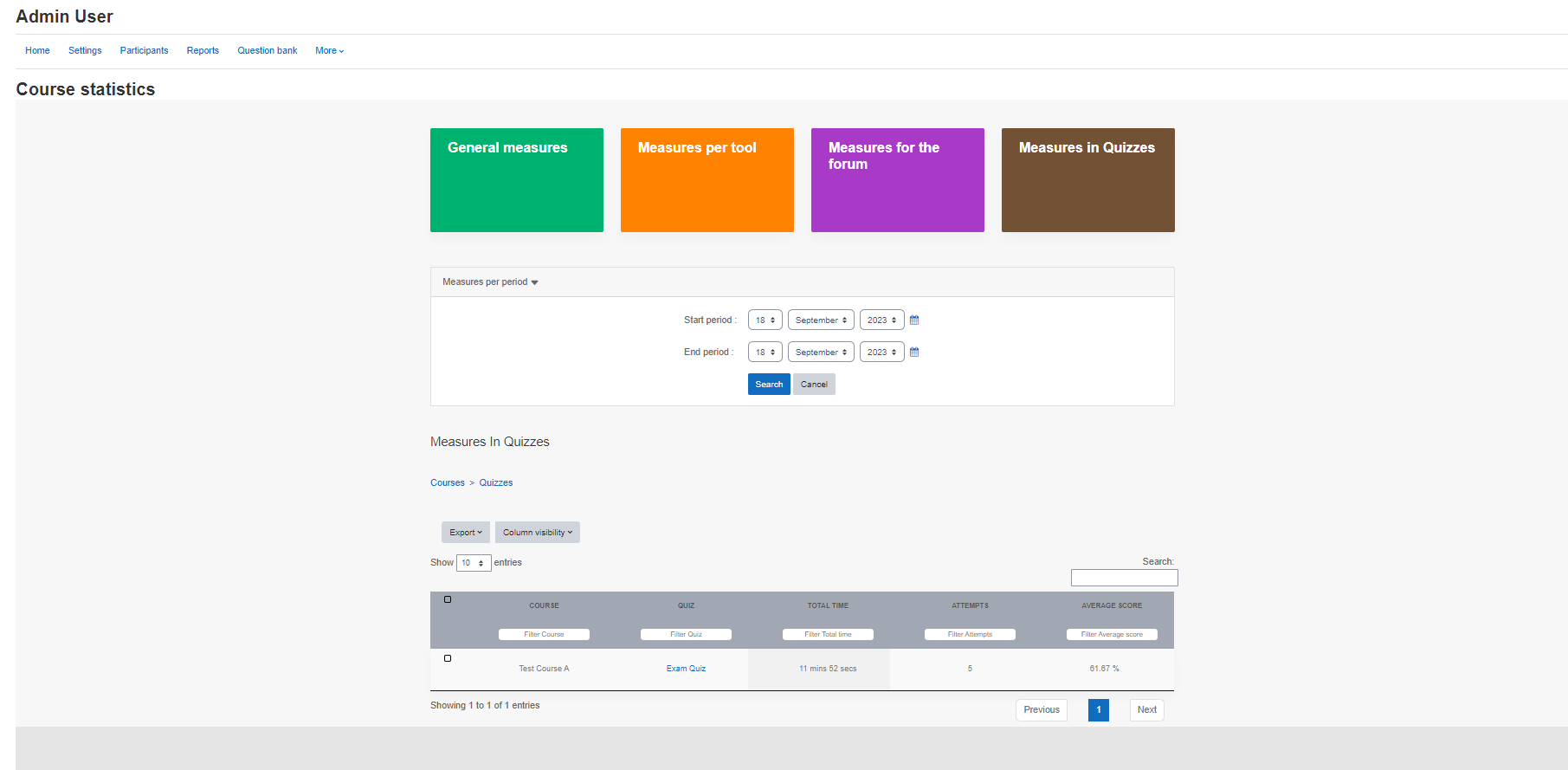
### Quiz Measures

The initial page of Quiz Measures displays total time, attempts, average score, and skipped questions for users in quizzes within the course.

Data table fields include:

* Course Title
* Quiz Title
* Total Time (total time attempted by all participants)
* Attempts (total user attempts)
* Average Score (average score of all users in the quiz)



By selecting the Quiz Title, the teacher/administrator can access more detailed statistics . 

Data table fields for detailed statistics:

* Last Name
* First Name
* Course Title
* Quiz Title
* Total Time (total time attempted by all participants)
* Attempts (total user attempts)
* Average Score (average score of all users in the quiz)
* Answers (redirects to users' attempt)

