



Moodle Plug-in

for evasys X

Imprint

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Moodle Plug-in for evasys

Overview

The "Moodle Plug-in for evasys" enables a quick and easy integration of survey information from evasys into Moodle.

The data exchange can optionally be

1. via a LTI® interface (LTI® 1.0/1.1 or LTI® 1.3) or
2. via web services via SOAP.

The central component of the Moodle plug-in for evasys is the Moodle block. Depending on the connection, different functions are available. When using LTI®, survey data can be displayed in both the student and lecturer view.

When using the SOAP API , the Moodle block is much simpler. It is generally only available in the student view and therefore does not determine the role of the Moodle user. Lecturers are therefore only able to use surveys in the Moodle block in which they themselves are entered as participants.

Requirements

The Moodle plug-in for evasys is tested and made available for the current Moodle versions (see <https://download.moodle.org/releases/latest>). To use the Moodle plug-in, at least evasys version 7.1 (2151) is required.

The Moodle plug-in for evasys can be downloaded from the following pages:

- moodle.org: https://moodle.org/plugins/block_onlinesurvey (with versions reviewed by Moodle reviewers).
- github.com: <https://github.com/evasys-community/>

General information

By implementing a single sign-on solution, students or lecturers only have to log in to Moodle. It is not necessary to enter evasys TANs to participate in the respective surveys.

The internationalization option of Moodle with the help of the Moodle Multilanguage Filter syntax is supported. For the SOAP connection, there is a German and an English language set. The LTI® templates are completely configurable. However, they do not take into account the language currently selected in Moodle, i.e. the language defined in the template is always output.

Network preparations

Since the Moodle server communicates with the evasys server, it is necessary that there is a valid network connection between the two server systems.

Technically, evasys communicates via HTTP or HTTPS. By default, this means that ports 80 or 443 are used to communicate with Moodle.

In order for the installation process to run smoothly, it is recommended to test the network connection between the two systems in advance. The contact person here is the responsible IT administration.

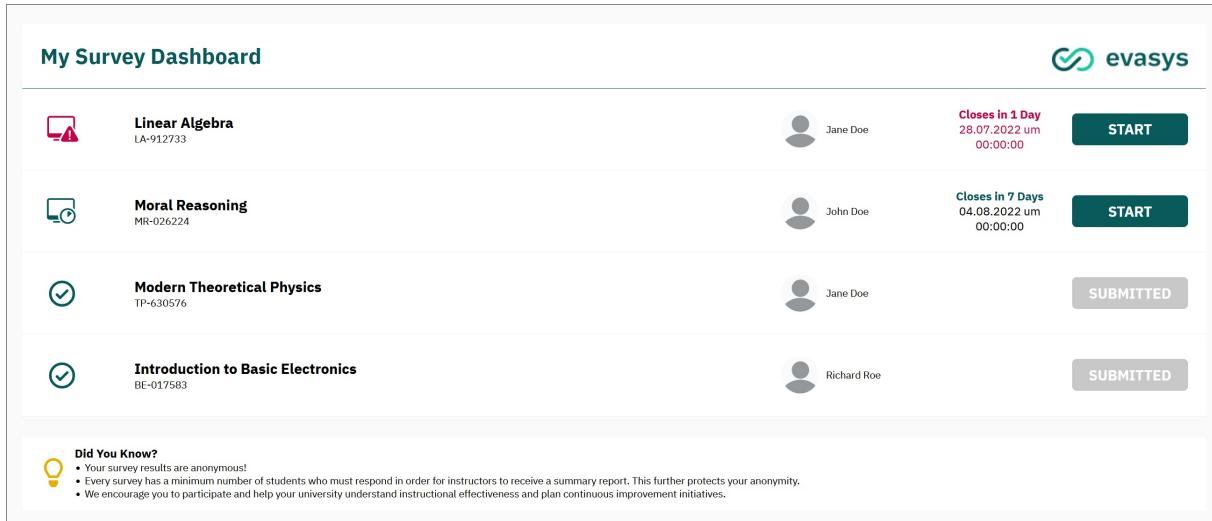
Moodle Plug-in via LTI® 1.0/1.1

LTI® 1.0/1.1 setup

The evasys LTI® interface allows you to use the LTI® framework included in your Learning Management System (LMS) to display information on evasys surveys in the student and teacher view. The evasys LTI® integration can be used for all systems that support the IMS LTI® standard, such as Moodle, Blackboard, Brightspace® by D2L or Canvas.

The LTI® interface has a much wider range of functions compared to the SOAP interface:

- In the student view, the evasys block displays links to and information about available online surveys.



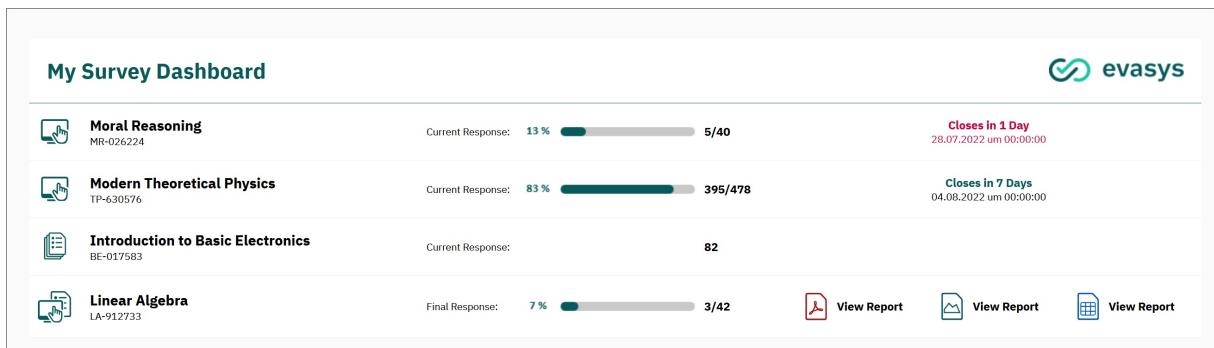
Survey	ID	Status	Due Date	Action
Linear Algebra	LA-912733	Pending	28.07.2022 um 00:00:00	START
Moral Reasoning	MR-026224	Pending	04.08.2022 um 00:00:00	START
Modern Theoretical Physics	TP-630576	Submitted		SUBMITTED
Introduction to Basic Electronics	BE-017583	Submitted		SUBMITTED

Did You Know?

- Your survey results are anonymous!
- Every survey has a minimum number of students who must respond in order for instructors to receive a summary report. This further protects your anonymity.
- We encourage you to participate and help your university understand instructional effectiveness and plan continuous improvement initiatives.

Figure: Survey list in the student view (LTI)®

In the lecturer view, an overview of the ongoing evaluations with information on the current status can be displayed.



My Survey Dashboard

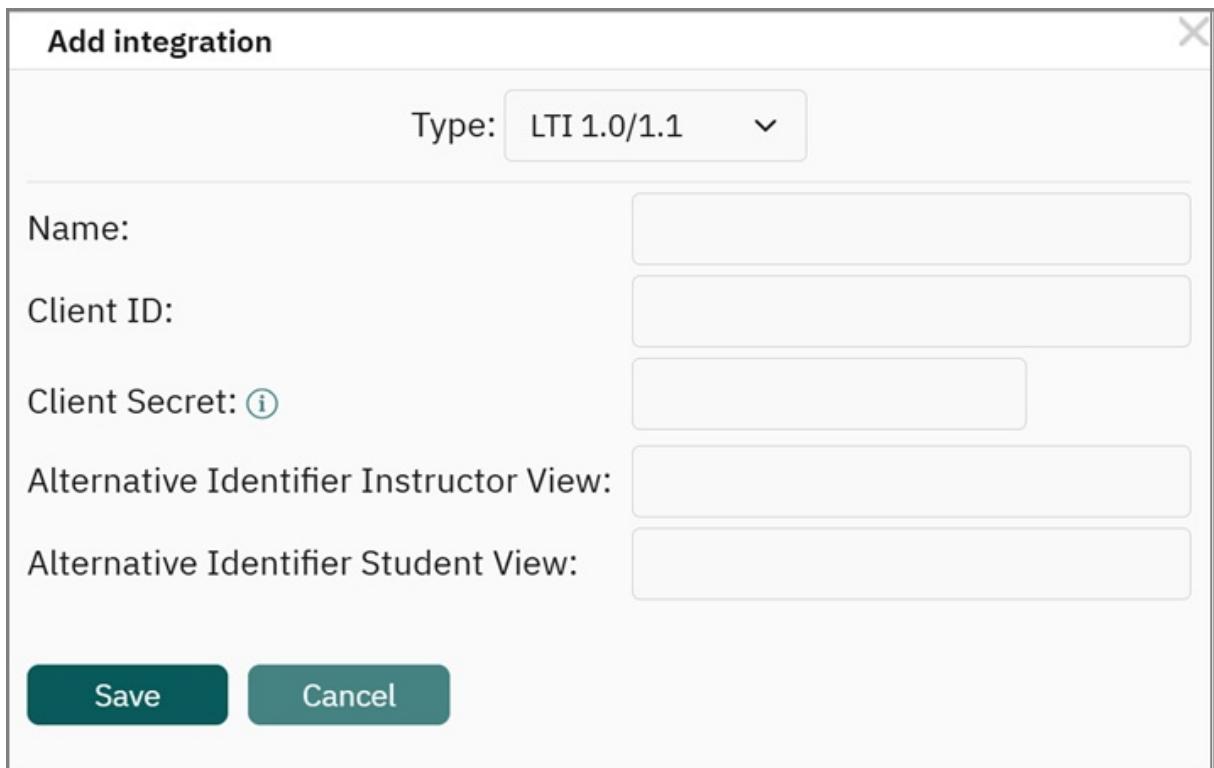
Survey	Current Response	Final Response	Closes
Moral Reasoning MR-026224	13 % 5/40		Closes in 1 Day 28.07.2022 um 00:00:00
Modern Theoretical Physics TP-630576	83 % 395/478		Closes in 7 Days 04.08.2022 um 00:00:00
Introduction to Basic Electronics BE-017583		82	
Linear Algebra LA-912733	7 % 3/42		View Report View Report View Report

Figure: Survey list in the lecturer view (LTI)[®]

The appearance and structure of the survey list can be controlled by the administrators themselves with the help of HTML and CSS templates. Further information can be found in the section LTI.

LTI[®] 1.0/1.1 Setup in evasys

The LTI[®] interface can be activated directly in the evasys administrator interface. To do this, open the menu "Settings / Interfaces & Plug-ins / Integration Settings". For Moodle, click on "Add" in the "Integration Settings" and select LTI[®] 1.0/1.1 as the type. You will see a form where you will need to enter some information provided by the Moodle plugin.



Add integration

Type: LTI 1.0/1.1

Name:

Client ID:

Client Secret: [\(i\)](#)

Alternative Identifier Instructor View:

Alternative Identifier Student View:

Save **Cancel**

Figure: Adding LTI[®] 1.0/1.1 integration in evasys

To connect an LMS system via LTI® 1.0/1.1, enter the following information in the input mask:

Designation

Define the desired name of the integration

Client ID (optional)

Enter the "Client ID" or "Consumer Key" from the configuration of the LTI® tool of your LMS system. Input is only required if you want to distinguish between multiple LTI® configurations.

Client Secret

Enter a password here that secures the connection between the evasys server and the connected LMS server. The default password is "secret". The Client Secret must be stored in the configuration of your LMS system. Please note: If you change the password here, you will also need to change it on the Moodle page.

Alternative Identifier Lecturer View (optional)

Define here whether another LTI® parameter should be used as an identifier instead of the email address (default), e.g. "ext_user_username". You can define a different identifier if, for example, the e-mail address stored in the LMS system for the lecturers differs from the e-mail address stored in evasys.

Please note

When you use this parameter, the identifier is matched to the external ID of the instructors. Therefore, the use of external IDs must be enabled in the evasys "Settings / Functions". In addition, external IDs must be defined in the user properties.

Alternative identifier student view (optional)

Define here which LTI® parameter should be used as a user identifier instead of the email address. You can use an alternative identifier if, for example, the email address stored in the LMS differs from the email address in evasys. If the field is left empty, the email address is used as the identifier by default.

Add integration

Type: LTI 1.0/1.1

Name: LTI 1.0 Moodle

Client ID: [REDACTED]

Client Secret: ⓘ

Alternative Identifier Instructor View:

Alternative Identifier Student View:

Save **Cancel**

Figure: Settings for LTI® 1.0/1.1 configuration

Once all relevant information has been stored, save your entries. The integration will now appear in the list.

Interface Settings

Service Settings	LDAP Settings	Single Sign-on Settings	LTI® Interface	Integration Settings	evasys Components	⋮
Configuration						
Name	Type	Actions				
Moodle Integration	LTI 1.3					
LTI 1.0 Moodle	LTI 1.0/1.1					
Canvas	LTI 1.3					
Add						

Figure: Open and edit configuration for LTI® 1.0/1.1

If required, several LMS systems can be connected via LTI® . In this case, repeat the above steps for each LTI® tool you want to connect. Please note that the configuration is not complete until the corresponding LTI® tool is also configured in the respective LMS. To configure the LTI® tools, please consult the documentation of your LMS system.

If you have connected the LTI® tool, available functions of the LTI interface can be configured under "Settings / Interfaces & Plug-ins / LTI® Interface".® In addition, you can upload your own customized LTI® templates at the bottom of the page. If you do not upload your own template, the default templates will be used.

LTI® 1.0/1.1 Setup in Moodle

Installation of the Moodle plug-in for evasys

The Moodle plug-in from evasys is uploaded and installed in Moodle as an administrator via the "Website Administration" under "Plug-ins / Install Plug-ins" as a zip file. It will then appear as a newly installed plug-in in Moodle under the tab "Plug-ins / Plug-in Overview / Additional Plug-ins", from where further settings can be made.



Figure: evasys plug-in in plug-in overview in Moodle

General information on installing plug-ins in Moodle can be found in the current Moodle documentation under https://docs.moodle.org/405/en/Plug-ins_FAQ.

Configuring the Moodle Plug-in for evasys

In the "Settings" of the Moodle plug-in for evasys, you can now define various parameters. These are divided into different sections:

Representation

At the beginning, the display of the Moodle block can be defined as a central component of the Moodle plug-in for evasys:

- **Title:**

The text entered here will be used as the Moodle block title. If required, several languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax
(see https://docs.moodle.org/en/Multi-language_content_filter).

- **Display mode:**

In the compact display mode, only the number of open surveys is shown in the evasys block via a graphic. In this mode, an enlarged list view can be opened by clicking on the graphic as soon as the user has at least one open survey.

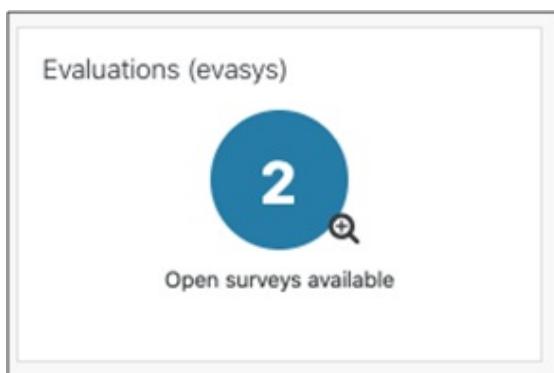


Figure: Compact display mode

In detailed display mode, the links to the online surveys are provided directly in the Moodle block (only in the case of communication via SOAP). If the communication takes place via LTI,® open surveys are listed directly in the block.

In this mode, an enlarged list view can be opened by clicking on a button below the list as soon as the user has at least one open survey.

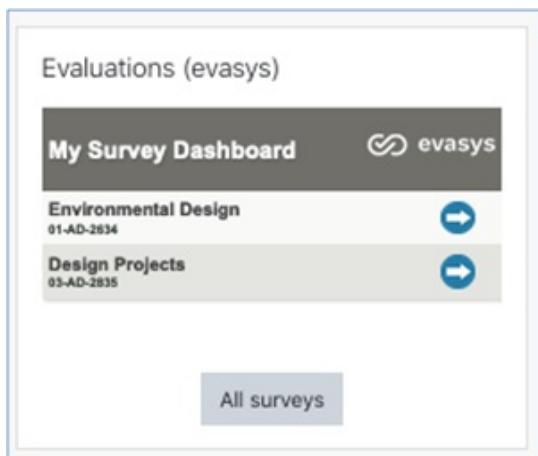


Figure: Display mode - detailed

- **Hide empty block:**

If activated, the Moodle block will be hidden if there are no polls for the user. If not activated, a graphic with a check mark and the text "No open evaluations" is displayed in the compact view, and an empty list is displayed in the detail view.

Please note: If you have set the LTI® template to allow students to view surveys and/or survey results that have already been completed, then you should not hide the Moodle block. Otherwise, students will no longer be able to view the data after participating in the last survey.

- **Always offer an enlarged list view:**

If enabled, the user will always be able to open the enlarged list view. If disabled, the user will only be able to open the enlarged list view if they have an open poll.

Please note: If you have set the LTI® template to allow students to view surveys and/or survey results that have already been completed, then you should activate this setting. Otherwise, students will no longer be able to view the data after participating in the last survey.

- **Show waiting picture:**

If activated, a waiting image will be displayed in the Moodle block until the open polls are loaded by evasys.



Figure: Waiting image before loading when enabled

- **Pop-up message active:**

If activated, a pop-up with information about open online surveys (if available) will be displayed every time a student logs into Moodle.

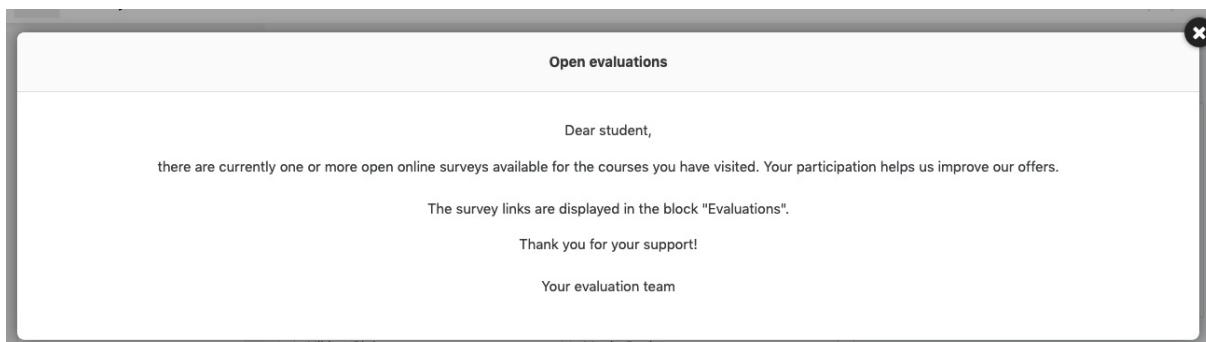


Figure: Pop-up message when logging in to Moodle

- **Pop-up Title:**

If necessary, this setting can be used to customize the title of the pop-up. If required, multiple languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

- **Pop-up content:**

If necessary, this setting can be used to adjust the content of the pop-up. If desired, several languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

Appearance

The settings in this section define how the evasys block will be displayed.

Title
block_onlinesurvey | blocktitle

Evaluations (evasys)

Default: Evaluations (evasys)

The text entered here is used as the block title. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Display mode
block_onlinesurvey | presentation

Compact  Default: Compact

In compact mode, the evasys Block displays the number of open surveys by means of a graphic. In this mode, an enlarged list view can be opened as soon as the user has at least one open survey by clicking on the graphic.

In detailed mode, the evasys Block displays the list of available surveys directly. In this mode, but only when using a SOAP connection, an enlarged list view can be opened as soon as the user has at least one open survey by clicking a button below the list.

Hide empty block
block_onlinesurvey |
survey_hide_empty

Default: No

If activated, the evasys block is hidden when the user has no surveys. If it is not activated, in the compact view a graphic with the text "No open evaluations available"

is displayed and in the detailed view an empty list is presented.

Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you may not want to hide the block. Otherwise, the participants would no longer be able to access the results.

Always offer enlarged list view
block_onlinesurvey | offer_zoom

Default: Yes

If activated, the user will always be able to open the enlarged list view. If not activated, the user will only be able to open the enlarged list view if he has open surveys.

Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you will want to enable this setting. Otherwise, the participants would no longer be able to access the results.

Show spinner
block_onlinesurvey | show_spinner

Default: Yes

If activated, a spinner icon will be shown in the block until the open surveys are loaded from evasys.

Pop-up info active
block_onlinesurvey | survey_show_popupinfo

Default: No

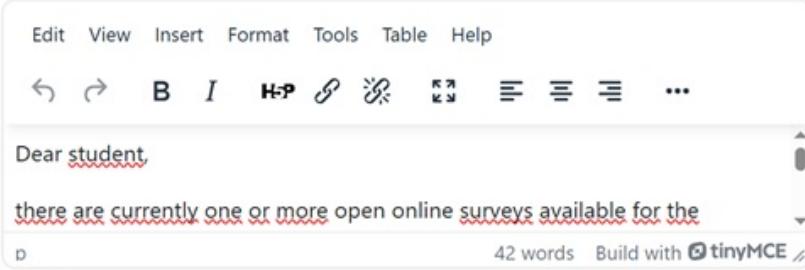
If activated, a pop-up with an information about open online surveys (if existing) is displayed every time a student logs in to Moodle.

Pop-up title
block_onlinesurvey | survey_popupinfo_title

Default: Open evaluations

If needed, the title of the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Pop-up content
block_onlinesurvey | survey_popupinfo_content



Default:

```
<p>Dear student,</p>
<p>there are currently one or more open online surveys available for the courses you have visited. Your participation helps us improve our offers.<br />
The survey links are displayed in the block "Evaluations".</p>
<p>Thank you for your support!<br />
Your evaluation team</p>
```

If needed, the content which is presented in the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Figure: General Moodle Block Settings

Communication

Next, you need to set the settings for the Moodle plug-in to communicate with evasys:

- **Communication protocol:**

Here you activate whether Moodle should communicate with evasys via LTI® or SOAP. There are two options available for LTI® : LTI (equivalent to LTI® 1.0/1.1) and LTI® 1.3. In this case, select LTI® 1.0/1.1.

Hint

LTI® 1.3 is the newer version and handles authentication slightly differently to meet modern security standards.

- **User Identifier:**

Choose whether to use a user's email address or login name as a unique user identifier.

- **User data field in evasys:**

If the login name is used as a user identifier, one of the first three user data fields in evasys can be used for authentication for students.

Please note: This setting is only relevant for students. If the login name is to be used as a user identifier for lecturers, it must be stored in evasys in the user properties in the "External ID" field.

- **Connection timeout:** Maximum response time (in seconds) of the evasys server. If the evasys server does not respond within this time, the request will be canceled and no surveys will be displayed to the user.

Communication

The settings in this section define how the evasys block will communicate with evasys.

Communication protocol
block_onlinesurvey | connectiontype

LTI Default: LTI

Here you can define whether Moodle should communicate with evasys via SOAP or LTI.
Depending on the communication protocol selected here, please do your further settings in the corresponding protocol section below.

User identifier
block_onlinesurvey | useridentifier

Email address Default: Email address

Select whether a user's email address or username should be used as unique user identifier.

Custom field in evasys
block_onlinesurvey | customfieldnumber

Custom field No. 1 Default: Custom field No. 1

If the username is selected as user identifier, one of the first three custom fields in evasys can be used for authentication.
Please note: This setting is only relevant for learners. If you decide to use the username for instructors, the username must be stored in evasys in the field "External ID" of the user settings.

Connection timeout
block_onlinesurvey | survey_timeout

0 Default: 0

Maximum response time (in seconds) of the evasys server. If the evasys server didn't answer within this time, the request is aborted and the surveys are not shown to the user.

?

Figure: Communication settings LTI® 1.0/1.1

SOAP Settings

Are not relevant at this point, as Moodle is to be connected via LTI® 1.0/1.1.

LTI® Settings

If you want to use LTI® 1.0/1.1, please configure the following settings first:

- **evasys LTI® Provider URL:**

URL of the LTI® Provider PHP file on the evasys server:

`https://[SERVER NAME]/evasys/customer/lti/lti_provider.php`

(e.g. `https://example.evasys.de/evasys/customer/lti/lti_provider.php`)

- **evasys LTI® Custom Parameters:**

This is where the custom parameters are stored, which can be used to define settings for the display of the surveys, e.g. whether surveys that have already been completed should also be displayed in the student view

(`learner_show_completed_surveys=1`) or whether the reports of the surveys can also be called up in the lecturer view (`instructor_show_report=1`). Each parameter is entered on its own line. For detailed information on the available parameters, please consult the evasys technical manual.

- **LTI® Role Assignment "Instructor":**

Defines which Moodle roles should correspond to the LTI® role "Instructor" and thus the Moodle block should be displayed as lecturers.

- **LTI® Role Assignment "Learner":**

Defines which Moodle roles should correspond to the LTI® role "Learner" and thus the Moodle block should be displayed as students.

LTI settings

The settings in this section define how the evasys block will communicate with evasys.

These settings are only required if you selected "LTI" or "LTI 1.3" in the "Communication protocol" setting.

evasys LTI provider URL
block_onlinesurvey | lti_url

[https://\[SERVERNAME\]/customer/lti/lti_provider.php](https://[SERVERNAME]/customer/lti/lti_provider.php)

Default: Empty

URL of the LTI provider PHP file on the evasys server
([https://\[SERVERNAME\]/customer/lti/lti_provider.php](https://[SERVERNAME]/customer/lti/lti_provider.php)).

evasys LTI Custom parameter
block_onlinesurvey | lti_customparameters

Default: Empty

Here the custom parameters are stored, which can be used to define settings for displaying the surveys, e.g. whether the student view should also display completed surveys (`learner_show_completed_surveys=1`) or whether the reports of the surveys can also be called up in the instructor view (`instructor_show_report=1`). Each parameter has to be added on a separate line. For detailed information on the available parameters, please consult the evasys LTI manual.

LTI Role mapping
"Instructor"
block_onlinesurvey | lti_instructormapping

- Manager
- Course creator
- Teacher**
- Non-editing teacher
- Student
- Guest
- Authenticated user
- Authenticated user on site home

Default: Teacher, Non-editing teacher

Defines which Moodle roles should correspond to the LTI role "Instructor" who will see the evasys block content as instructors.

LTI Role mapping
"Learner"
block_onlinesurvey | lti_learnermapping

- Manager
- Course creator
- Teacher
- Non-editing teacher
- Student**
- Guest
- Authenticated user
- Authenticated user on site home

Default: Student

Defines which Moodle roles should correspond to the LTI role "Learner" who will see the evasys block content as students.

Figure: General LTI® Settings

Hint

It is possible to show users the view for lecturers and *at the same time* the view for participants in surveys. This is useful if, for example, Lecturers can also be participants in surveys. In this case, please assign the role of "Learner" to trainers/lecturers as well.

LTI® 1.0/1.1 settings

If you are using LTI® 1.0/1.1 (in Moodle settings for "Communication Protocol" for short, "LTI"), you only need to enter a password.

- **evasys LTI® Password:**

The evasys LTI® password to be entered here corresponds to the "Client Secret" in the evasys integration settings. The default password in evasys is "secret". Please note: If you change the password here, you must also change it on the evasys page (see section "LTI® 1.0/1.1 Setup in evasys").

LTI 1.0 settings

The settings in this section are only required if you chose LTI for communication protocol setting, but not LTI 1.3

evasys LTI Passwort block_onlinesurvey lti_password	Anklicken zur Texteingabe  
Passwort der evasys LTI Schnittstelle.	

Figure: LTI® 1.0/1.1 Settings

LTI® 1.3 settings

Are not relevant at this point, as Moodle is to be connected via LTI® 1.0/1.1.

Expert Settings

Finally, expert settings of the Moodle block are offered. These usually do not need to be adapted and are reserved for special purposes:

- **Debug Mode:**

If enabled, debug and error messages will be displayed within the Moodle block.

- **Additional CSS for iframe:**

Here you can enter CSS code that will be added to the page that is loaded in the Moodle block. You can use this setting to adapt the content of the Moodle block to your needs.

Please note: This setting is used in compact display mode for LTI® and SOAP connections, as well as detailed display mode for SOAP connections. It is not used in the detailed display mode for LTI® - if you want to change styles here, please make the changes in the LTI® template in evasys.

- **LTI® - Regular Expression "Learner":**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

- **LTI® - Instructor Regular Expression:**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

Expert settings

The settings in this section normally don't need any modification and are provided for special usage scenarios.

Debug mode
block_onlinesurvey | survey_debug

Default: No

If activated, debugging and error messages are shown within the evasys block.

Additional CSS for iframe
block_onlinesurvey | additionalcss

Default: Empty

Here, you can add CSS code which will be added to the page which is loaded in the evasys block. You can use this setting to re-style the evasys block content according to your needs.

Please note: This setting is used in compact mode for LTI and SOAP connections as well as in detailed mode for SOAP connections. It is not used in detailed mode for LTI connections - if you need to add custom styles in this mode, please change your LTI template in evasys.

LTI - Learner regular expression
block_onlinesurvey | lti_regex_learner

/<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Default: /<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

LTI - Instructor regular expression
block_onlinesurvey | lti_regex_instructor

/<(div){1}[\s]{1,}(class=){1}["|"]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}["|"]{1}

Default: /<(div){1}[\s]{1,}(class=){1}["|"]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}["|"]{1}>/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

Save changes

?

Figure: Expert Settings

When you have made all the necessary settings in the relevant areas, please click on [Save Changes] to complete the setup of the installed plug-in.

Attention

From time to time, an error message occurs in Moodle when saving the settings. In this case, please click on "Save" again. It usually works on the second attempt.

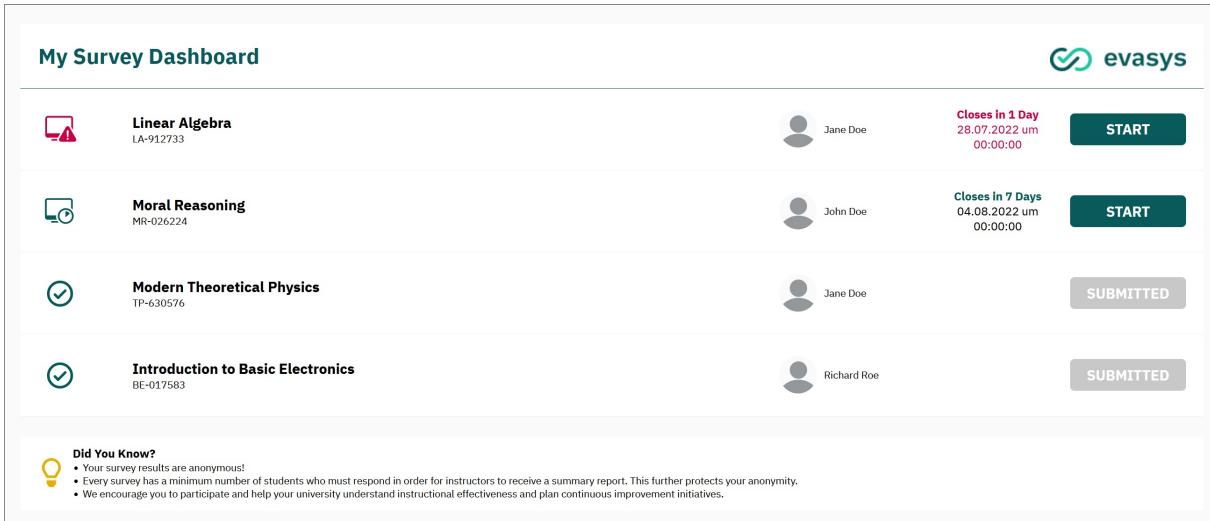
Moodle Plug-in via LTI® 1.3

Setup via LTI® 1.3

The evasys LTI® interface allows you to use the LTI® framework included in your Learning Management System (LMS) to display information on evasys surveys in the student and teacher view. The evasys LTI® integration can be used for all systems that support the IMS LTI® standard, such as Moodle, Blackboard, Brightspace® by D2L or Canvas.

The LTI® interface has a much wider range of functions compared to the SOAP interface:

- In the student view, the evasys block displays links to and information about available online surveys.



My Survey Dashboard

Survey Title	Description	Due Date	Status
Linear Algebra	LA-912733	Closes in 1 Day 28.07.2022 um 00:00:00	START
Moral Reasoning	MR-026224	Closes in 7 Days 04.08.2022 um 00:00:00	START
Modern Theoretical Physics	TP-630576		SUBMITTED
Introduction to Basic Electronics	BE-017583		SUBMITTED

Did You Know?

- Your survey results are anonymous!
- Every survey has a minimum number of students who must respond in order for instructors to receive a summary report. This further protects your anonymity.
- We encourage you to participate and help your university understand instructional effectiveness and plan continuous improvement initiatives.

Figure: Survey list in the student view (LTI)®

In the lecturer view, an overview of the ongoing evaluations with information on the current status can be displayed.

My Survey Dashboard

		evasys	
 Moral Reasoning MR-026224	Current Response: 13 %	 5/40	Closes in 1 Day 28.07.2022 um 00:00:00
 Modern Theoretical Physics TP-630576	Current Response: 83 %	 395/478	Closes in 7 Days 04.08.2022 um 00:00:00
 Introduction to Basic Electronics BE-017583	Current Response:	82	
 Linear Algebra LA-912733	Final Response: 7 %	 3/42	 View Report  View Report  View Report

Figure: Survey list in the lecturer view (LTI)[®]

The appearance and structure of the survey list can be controlled by the administrators themselves with the help of HTML and CSS templates. Further information can be found in the section LTI.

LTI[®] 1.3 Setup in evasys

The LTI[®] interface can be activated directly in the evasys administrator interface. To do this, open the menu "Settings / Interfaces & Plug-ins / Integration Settings". For Moodle, click on "Add" in the "Integration Settings" and select LTI[®] 1.3 as the type. You will see a form where you will need to enter some information provided by the Moodle plugin.

Add integration

Type: LTI 1.3 ▾

Name:	
Client ID:	
Deployment ID:	
Alternative Identifier Instructor View:	
Alternative Identifier Student View:	
Platform ID:	
Public keyset URL:	
Access token URL:	
Authentication request URL:	
Public Key (copy to LMS):	

Save **Cancel**

Figure: Adding LTI® 1.3 Integration in evasys

Subsequently, information must be exchanged between evasys and Moodle during setup so that both systems can trust and access each other. To connect an LMS system via LTI® 1.3, enter the following information in the input mask:

Designation

Define the desired name of the **Integration Client ID**.

Enter the "Client ID" from the configuration of your LMS's LTI® tool.

Deployment ID

Enter the "Deployment ID" from the configuration of your LMS's LTI® tool.

Alternative Identifier Lecturer View (optional)

Define here whether another LTI® parameter should be used as an identifier instead of the email address (default), e.g. "ext_user_username". You can define a different identifier if, for example, the e-mail address stored in the LMS system for the lecturers differs from the e-mail address stored in evasys.

Please note: If you use this parameter, the identifier will be matched with the external ID of the instructors. Therefore, the use of external IDs must be enabled in the evasys configuration, Functions pane. In addition, external IDs must be defined in the user properties.

Alternative identifier student view (optional)

Define here which LTI® parameter should be used as an identifier instead of the email address. You can use an alternative identifier if, for example, the email address stored in the LMS differs from the email address in evasys. If the field is left empty, the email address is used as the identifier by default.

Enter the following in the form:

Platform ID

https://[URL Moodle instance]

Public keyset URL

https://[URL-Moodle-Instance]/blocks/onlinesurvey/certs.php

Access token URL

https://[URL-Moodle-Instance]/blocks/onlinesurvey/token.php

Authentication request URL

https://[URL-Moodle-Instance]/blocks/onlinesurvey/auth.php

When the configuration is saved, the public key is generated in the background, which you need to set up the interface in the LMS. Open the configuration by clicking on the edit pen. You can now copy the public key from the corresponding field and paste it into the LMS for configuration.

Add integration

Type: LTI 1.3

Name:	Moodle-Integration
Client ID:	
Deployment ID:	
Alternative Identifier Instructor View:	
Alternative Identifier Student View:	
Platform ID:	https://[REDACTED]
Public keyset URL:	https://[REDACTED]
Access token URL:	https://[REDACTED]
Authentication request URL:	https://[REDACTED]
Public Key (copy to LMS):	<pre>-----BEGIN PUBLIC KEY----- MIIBIjANBgkqhkiG9w0BAQEFAAQIDQ^{...} -----END PUBLIC KEY-----</pre>

Save Cancel

Figure: Viewing and copying the public key (example)

The evasys system exchanges authentication information with Moodle:

evasys required by Moodle	Moodle required by evasys
<ul style="list-style-type: none"> the respective client ID the respective deployment ID the corresponding Moodle URLs: <ul style="list-style-type: none"> Platform ID Public Keyset URL Acess Token URL Authentification request URL 	<ul style="list-style-type: none"> Public key Login URL

Once all relevant information has been stored, save your entries. The integration will now appear in the list.

Interface Settings

Service Settings LDAP Settings Single Sign-on Settings LTI® Interface **Integration Settings** evasys Components

Configuration

Name	Type	Actions
Moodle Integration	LTI 1.3	
LTI 1.0 Moodle	LTI 1.0/1.1	
Canvas	LTI 1.3	

[Add](#)

Figure: Opening and editing the configuration for LTI® 1.3

If required, several LMS systems can be connected via LTI® 1.3. In this case, repeat the above steps for each LTI® tool you want to connect. Please note that the configuration is not complete until the corresponding LTI® tool is also configured in the respective LMS. To configure the LTI® tools, please consult the documentation of your LMS system.

If you have connected the LTI® tool, available functions of the LTI interface can be configured under "Settings / Interfaces & Plug-ins / LTI® Interface". In addition, you can upload your own customized LTI® templates at the bottom of the page. If you do not upload your own template, the default templates will be used.

LTI® 1.3 Setup in Moodle

Installation of the Moodle plug-in for evasys

The Moodle plug-in from evasys is uploaded and installed in Moodle as an administrator via the "Website Administration" under "Plug-ins / Install Plug-ins" as a zip file. It will then appear as a newly installed plug-in in Moodle under the tab "Plug-ins / Plug-in Overview / Additional Plug-ins", from where further settings can be made.

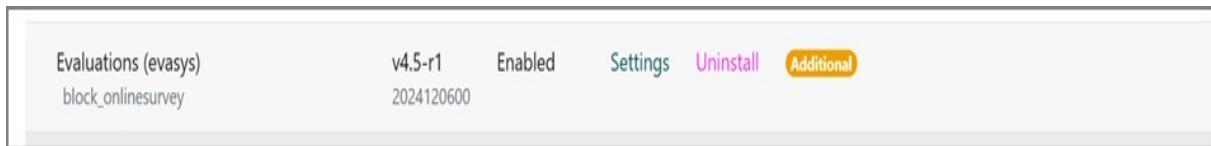


Figure: evasys plug-in in plug-in overview in Moodle

For general information on installing plug-ins in Moodle, see the current Moodle documentation at https://docs.moodle.org/405/en/Plug-ins_FAQ.

Configuring the Moodle Plug-in for evasys

In the "Settings" of the Moodle plug-in for evasys, you can now define various parameters. These are divided into different sections:

Representation

At the beginning, the display of the Moodle block can be defined as a central component of the Moodle plug-in for evasys:

- **Title:**

The text entered here will be used as the Moodle block title. If required, several languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax
(see https://docs.moodle.org/en/Multi-language_content_filter).

- **Display mode:**

In the compact display mode, only the number of open surveys is shown in the evasys block via a graphic. In this mode, an enlarged list view can be opened by clicking on the graphic as soon as the user has at least one open survey.

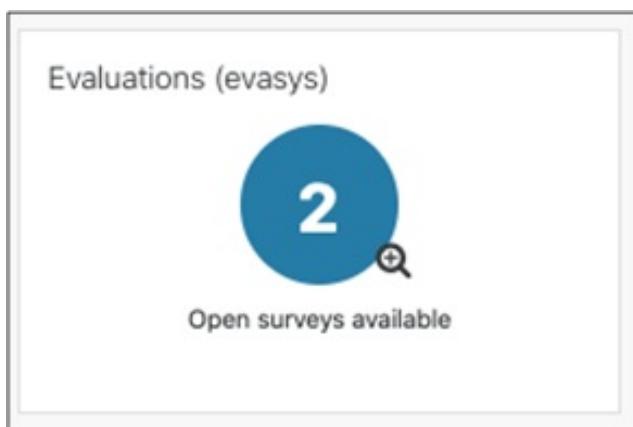
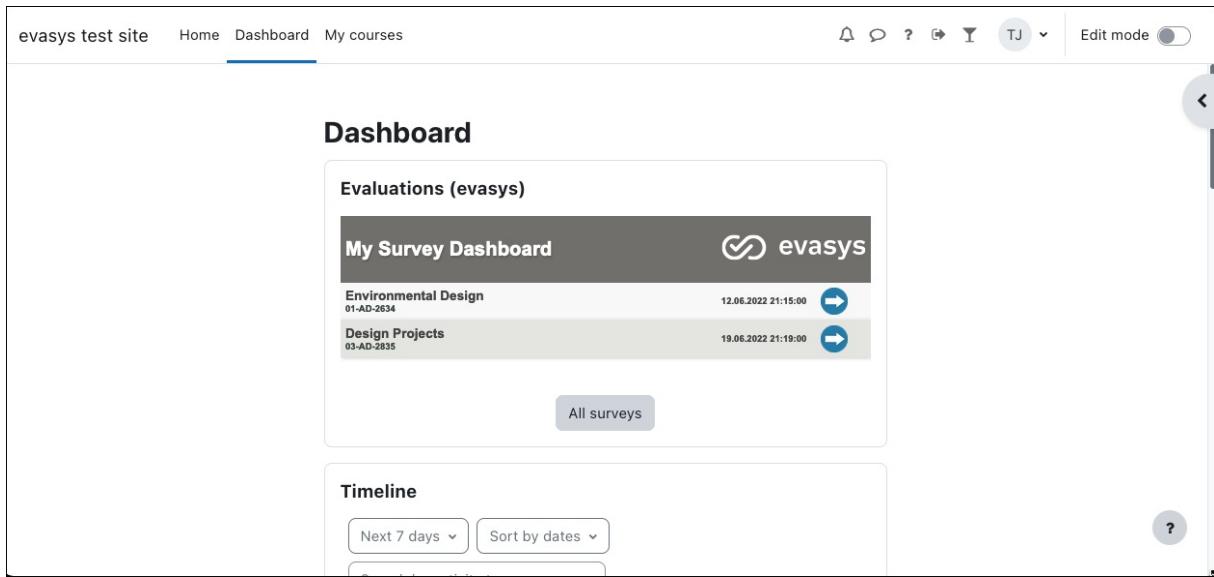


Figure: Compact display mode

In detailed display mode, the links to the online surveys are provided directly in the Moodle block (only in the case of communication via SOAP). If the communication takes place via LTI,® open surveys are listed directly in the block.

In this mode, an enlarged list view can be opened by clicking on a button below the list as soon as the user has at least one open survey.



The screenshot shows the Moodle dashboard with the evasys survey block. The block title is "Evaluations (evasys)". It contains a summary of two surveys: "Environmental Design" (12.06.2022 21:15:00) and "Design Projects" (19.06.2022 21:19:00). Below the surveys is a button labeled "All surveys". At the bottom of the block is a "Timeline" section with buttons for "Next 7 days" and "Sort by dates".

Figure: Display mode - detailed

- **Hide empty block:**

If activated, the Moodle block will be hidden if there are no polls for the user. If not activated, a graphic with a check mark and the text "No open evaluations" is displayed in the compact view, and an empty list is displayed in the detail view.

Please note: If you have set the LTI® template to allow students to view surveys and/or survey results that have already been completed, then you should not hide the Moodle block. Otherwise, students will no longer be able to view the data after participating in the last survey.

- **Always offer an enlarged list view:**

If enabled, the user will always be able to open the enlarged list view. If disabled, the user will only be able to open the enlarged list view if they have an open poll.

Please note: If you have set the LTI® template to allow students to view surveys and/or survey results that have already been completed, then you should activate this setting. Otherwise, students will no longer be able to view the data after participating in the last survey.

- **Show waiting picture:**

If activated, a waiting image will be displayed in the Moodle block until the open polls are loaded by evasys.



Figure: Waiting image before loading when enabled

- **Pop-up message active:**

If activated, a pop-up with information about open online surveys (if available) will be displayed every time a student logs into Moodle.

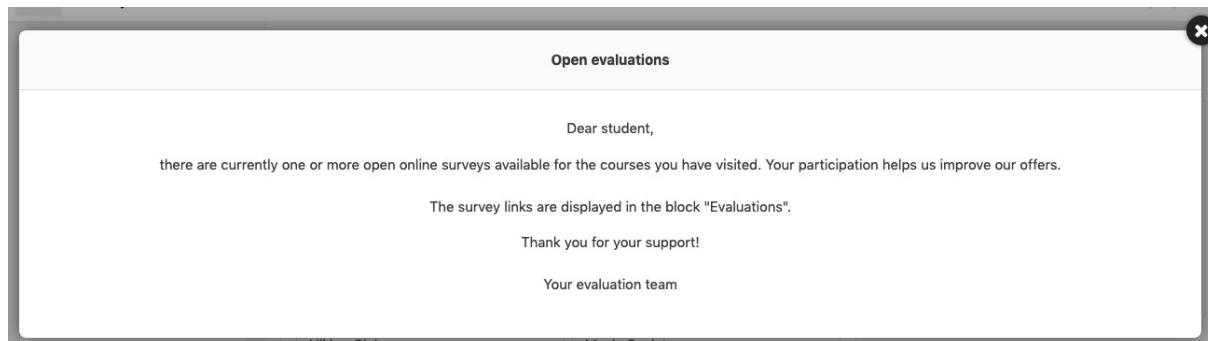


Figure: Pop-up message when logging in to Moodle

- **Pop-up Title:**

If necessary, this setting can be used to customize the title of the pop-up. If necessary, multiple languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

- **Pop-up content:**

If necessary, this setting can be used to adjust the content of the pop-up. If desired, multiple languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

Appearance

The settings in this section define how the evasys block will be displayed.

Title
block_onlinesurvey | blocktitle

Evaluations (evasys)

Default: Evaluations (evasys)

The text entered here is used as the block title. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Display mode
block_onlinesurvey | presentation

 Default: Compact


In compact mode, the evasys Block displays the number of open surveys by means of a graphic. In this mode, an enlarged list view can be opened as soon as the user has at least one open survey by clicking on the graphic.

In detailed mode, the evasys Block displays the list of available surveys directly. In this mode, but only when using a SOAP connection, an enlarged list view can be opened as soon as the user has at least one open survey by clicking a button below the list.

Hide empty block
block_onlinesurvey | survey_hide_empty

 Default: No

If activated, the evasys block is hidden when the user has no surveys. If it is not activated, in the compact view a graphic with the text "No open evaluations available" is displayed and in the detailed view an empty list is presented.

Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you may not want to hide the block. Otherwise, the participants would no longer be able to access the results.

Always offer enlarged list view
block_onlinesurvey | offer_zoom

 Default: Yes

If activated, the user will always be able to open the enlarged list view. If not activated, the user will only be able to open the enlarged list view if he has open surveys.

Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you will want to enable this setting. Otherwise, the participants would no longer be able to access the results.

Show spinner
block_onlinesurvey | show_spinner

 Default: Yes

If activated, a spinner icon will be shown in the block until the open surveys are loaded from evasys.

Pop-up info active
block_onlinesurvey | survey_show_popupinfo

 Default: No

If activated, a pop-up with an information about open online surveys (if existing) is displayed every time a student logs in to Moodle.

Pop-up title
block_onlinesurvey | survey_popupinfo_title

Default: Open evaluations

If needed, the title of the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Pop-up content
block_onlinesurvey | survey_popupinfo_content

Dear student,

there are currently one or more open online surveys available for the

42 words Build with

Default:

<p>Dear student,</p>

<p>there are currently one or more open online surveys available for the courses you have visited. Your participation helps us improve our offers.

The survey links are displayed in the block "Evaluations".</p>

<p>Thank you for your support!

your evaluation team</p>

If needed, the content which is presented in the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Figure: General Moodle Block Settings

Communication

Next, you need to set the settings for the Moodle plug-in to communicate with evasys:

- **Communication protocol:**

Here you activate whether Moodle should communicate with evasys via LTI® or SOAP. There are two options available for LTI® : LTI (equivalent to LTI® 1.0/1.1) and LTI® 1.3. In this case, select LTI® 1.3.

Hint

LTI® 1.3 is the newer version and handles authentication slightly differently to meet modern security standards.

- **User Identifier:**

Choose whether to use a user's email address or login name as a unique user identifier.

- **User data field in evasys:**

If the login name is used as a user identifier, one of the first three user data fields in evasys can be used for authentication for students.

Please note: This setting is only relevant for students. If the login name is to be used as a user identifier for lecturers, it must be stored in evasys in the user properties in the "External ID" field.

- **Connection timeout:**

Maximum response time (in seconds) of the evasys server. If the evasys server does not respond within this time, the request will be canceled and no surveys will be displayed to the user.

Communication

The settings in this section define how the evasys block will communicate with evasys.

Communication protocol
block_onlinesurvey | connectiontype

LTI 1.3 Default: LTI

Here you can define whether Moodle should communicate with evasys via SOAP or LTI. Depending on the communication protocol selected here, please do your further settings in the corresponding protocol section below.

User identifier
block_onlinesurvey | useridentifier

Email address Default: Email address

Select whether a user's email address or username should be used as unique user identifier.

Custom field in evasys
block_onlinesurvey | customfieldnumber

Custom field No. 1 Default: Custom field No. 1

If the username is selected as user identifier, one of the first three custom fields in evasys can be used for authentication.
Please note: This setting is only relevant for learners. If you decide to use the username for instructors, the username must be stored in evasys in the field "External ID" of the user settings.

Connection timeout
block_onlinesurvey | survey_timeout

0 Default: 0

Maximum response time (in seconds) of the evasys server. If the evasys server didn't answer within this time, the request is aborted and the surveys are not shown to the user.

?

Figure: Communication settings LTI® 1.3

SOAP Settings

Are not relevant at this point, as Moodle is to be connected via LTI® 1.3.

LTI® Settings

If you want to use LTI® 1.3, please configure the following settings first:

- **evasys LTI® Provider URL:**

URL of the LTI® Provider PHP file on the evasys server:

[https://\[SERVER NAME\]/evasys/customer/lti/lti_provider.php](https://[SERVER NAME]/evasys/customer/lti/lti_provider.php)

(e.g. https://example.evasys.de/evasys/customer/lti/lti_provider.php)

- **evasys LTI® Custom Parameters:**

This is where the custom parameters are stored, which can be used to define settings for the display of the surveys, e.g. whether surveys that have already been completed should also be displayed in the student view (learner_show_completed_surveys=1) or whether the reports of the surveys can also be called up in the lecturer view (instructor_show_report=1). Each parameter is entered on its own line. Please also note that you can define certain parameters directly in evasys. For detailed information on the available parameters and options, please consult the evasys technical manual.

- **LTI® Role Assignment "Instructor":**

Defines which Moodle roles should correspond to the LTI® role "Instructor" and thus the Moodle block should be displayed as lecturers.

- **LTI® Role Assignment "Learner":**

Defines which Moodle roles should correspond to the LTI® role "Learner" and thus the Moodle block should be displayed as students.

LTI settings

The settings in this section define how the evasys block will communicate with evasys.

These settings are only required if you selected "LTI" or "LTI 1.3" in the "Communication protocol" setting.

evasys LTI provider URL
block_onlinesurvey | lti_url

`https://[SERVERNAME]/evasys/block_onlinesurvey/lti/provider.php`

Default: Empty

URL of the LTI provider PHP file on the evasys server
([https://\[SERVERNAME\]/customer/lti/lti_provider.php](https://[SERVERNAME]/customer/lti/lti_provider.php)).

evasys LTI Custom parameter
block_onlinesurvey | lti_customparameters

Default: Empty

Here the custom parameters are stored, which can be used to define settings for displaying the surveys, e.g. whether the student view should also display completed surveys (`learner_show_completed_surveys=1`) or whether the reports of the surveys can also be called up in the instructor view (`instructor_show_report=1`). Each parameter has to be added on a separate line. For detailed information on the available parameters, please consult the evasys LTI manual.

LTI Role mapping
"Instructor"
block_onlinesurvey | lti_instructormapping

- Manager
- Course creator
- Teacher**
- Non-editing teacher
- Student
- Guest
- Authenticated user
- Authenticated user on site home

Default: Teacher, Non-editing teacher

Defines which Moodle roles should correspond to the LTI role "Instructor" who will see the evasys block content as instructors.

LTI Role mapping
"Learner"
block_onlinesurvey | lti_learnermapping

- Manager
- Course creator
- Teacher
- Non-editing teacher
- Student**
- Guest
- Authenticated user
- Authenticated user on site home

Default: Student

Defines which Moodle roles should correspond to the LTI role "Learner" who will see the evasys block content as students.

Figure: General LTI® Settings

Hint

It is possible to show users the view for lecturers and *at the same time* the view for participants in surveys. This is useful if, for example, Lecturers can also be participants in surveys. In this case, please assign the role of "Learner" to trainers/lecturers as well.

LTI® 1.0/1.1 settings

Are not relevant at this point, as Moodle is to be connected via LTI® 1.3.

LTI® 1.3 settings

- **Public key type:**

For configuring LTI® 1.3 in Moodle, there are two ways to provide the public key:

1. as a keyset URL or
2. as RSA key.

- Select the appropriate key and make the settings as described below.

For Moodle-specific settings, please consult the Moodle documentation.

- **Public key:**

The public key that you need to enter here can be obtained from evasys under "Settings / Interfaces & Plug-ins / Integration Settings" under the integration you added (see section "LTI® 1.3 Einrichtung in evasys").

Add integration

Type: LTI 1.3

Name:	Moodle-Integration
Client ID:	
Deployment ID:	
Alternative Identifier Instructor View:	
Alternative Identifier Student View:	
Platform ID:	https://[REDACTED]
Public keyset URL:	https://[REDACTED]
Access token URL:	https://[REDACTED]
Authentication request URL:	https://[REDACTED]
Public Key (copy to LMS):	<pre>-----BEGIN PUBLIC KEY----- MIIBIjANBgkqhkiG9w0BAQEFAAQIDQ^{...} -----END PUBLIC KEY-----</pre>

Save Cancel

Figure: View and copy public key (example)

- **Public keyset**

If “Keyset URL” is selected as the public key type, the key provided by evasys is made available, for example, via a keyset.json file. If you have any questions, please contact evasys Support.

If “RSA key” is selected as the public key type, this field usually remains empty.

- **Login URL:**

Usually identical to the setting of the evasys LTI® Provider URL:

`https://[SERVER NAME]/evasys/customer/lti/lti_provider.php`
 (e.g. `https://example.evasys.de/evasys/customer/lti/lti_provider.php`)

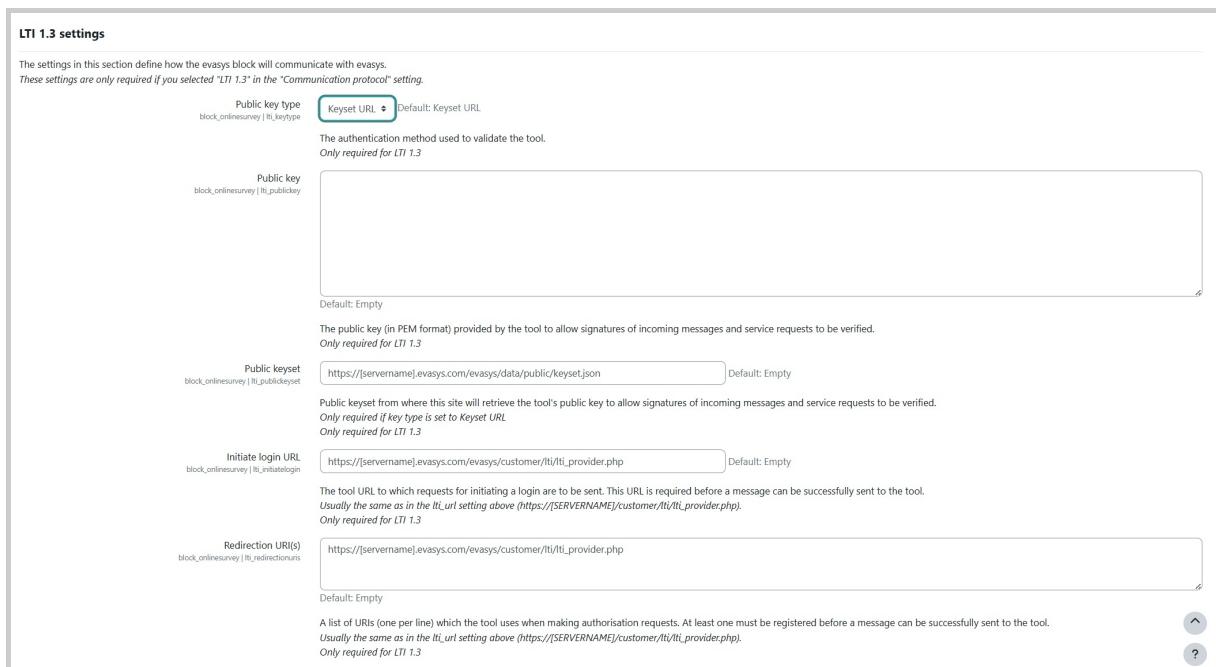
- **Redirect URI(s):**

You can specify multiple URLs here, one per line. The evasys tool uses these for authorization requests. You must provide at least one. This is also usually identical to

the evasys LTI® Provider URL setting.

`https://[SERVERNAME]/evasys/customer/lti/lti_provider.php`
 (e.g. `https://example.evasys.de/evasys/customer/lti/lti_provider.php`)

Example LTI® 1.3 Settings with Keyset URL



The screenshot shows the 'LTI 1.3 settings' section in Moodle. It includes fields for Keyset URL, Public key, Initiate login URL, and Redirection URI(s), each with detailed explanatory text and examples.

Setting	Description	Value	Notes
Keyset URL	The authentication method used to validate the tool. Only required for LTI 1.3	<code>https://[servername].evasys.com/evasys/data/public/keyset.json</code>	Default: Empty
Public key	The public key (in PEM format) provided by the tool to allow signatures of incoming messages and service requests to be verified. Only required for LTI 1.3	<code>https://[servername].evasys.com/evasys/data/public/keyset.json</code>	Default: Empty
Initiate login URL	The tool URL to which requests for initiating a login are to be sent. This URL is required before a message can be successfully sent to the tool. Usually the same as in the lti_url setting above (<code>https://[SERVERNAME]/customer/lti/lti_provider.php</code>). Only required for LTI 1.3	<code>https://[servername].evasys.com/evasys/customer/lti/lti_provider.php</code>	Default: Empty
Redirection URI(s)	A list of URLs (one per line) which the tool uses when making authorisation requests. At least one must be registered before a message can be successfully sent to the tool. Usually the same as in the lti_url setting above (<code>https://[SERVERNAME]/customer/lti/lti_provider.php</code>). Only required for LTI 1.3	<code>https://[servername].evasys.com/evasys/customer/lti/lti_provider.php</code>	Default: Empty

Figure: LTI® 1.3 settings in Moodle for Keyset URL

Example LTI® 1.3 Settings with RSA Key

LTI 1.3 settings

The settings in this section define how the evasys block will communicate with evasys.
These settings are only required if you selected "LTI 1.3" in the "Communication protocol" setting.

Public key type	RSA key	Default: Keystore URL
Public key	The authentication method used to validate the tool. Only required for LTI 1.3	
block_onlinesurvey lt_publickey	<pre>-----BEGIN PUBLIC KEY----- MIIBIjANBgkqhkiG9w0BAQEFAASCAQD...-----END PUBLIC KEY-----</pre>	
Public keyset	The public key (in PEM format) provided by the tool to allow signatures of incoming messages and service requests to be verified. Only required for LTI 1.3	
block_onlinesurvey lt_publickeyset	Default: Empty	
Initiate login URL	The tool URL to which requests for initiating a login are to be sent. This URL is required before a message can be successfully sent to the tool. Usually the same as in the lt_url setting above (https://[SERVERNAME]/customer/lti/lti_provider.php). Only required for LTI 1.3	
block_onlinesurvey lt_initiatelogin	Default: Empty	
Redirection URI(s)	A list of URLs (one per line) which the tool uses when making authorisation requests. At least one must be registered before a message can be successfully sent to the tool. Usually the same as in the lt_url setting above (https://[SERVERNAME]/customer/lti/lti_provider.php). Only required for LTI 1.3	
block_onlinesurvey lt_redirectionuri	Default: Empty	

Figure: LTI® 1.3 Settings in Moodle for RSA Keys

The additional information on the public keyset of the Moodle platform, access token, auth request, deployment ID, and client ID is generated automatically. The deployment ID and client ID must then be added in evasys under the stored LTI® 1.3 integration in “Settings / Interfaces & Plug-ins / Integration Settings.”

Public keyset of the Moodle platform block_onlinesurvey publickeyplatform	Default: None https://[REDACTED].blocks.onlinesurvey/certs.php
Access token block_onlinesurvey lt_accesstoken	Default: None https://[REDACTED].blocks.onlinesurvey/token.php
Auth request block_onlinesurvey lt_authrequest	Default: None https://[REDACTED].blocks.onlinesurvey/auth.php
Deployment id block_onlinesurvey lt_deploymentid	Default: None [REDACTED]
Client id block_onlinesurvey lt_clientid	Default: None [REDACTED]

Add integration

Type: LTI 1.3

Name: Moodle-Integration

Client ID: [REDACTED]

Deployment ID: [REDACTED]

Alternative Identifier Instructor View:

Platform ID: [https://\[REDACTED\]](https://[REDACTED])

Public keyset URL: [https://\[REDACTED\]](https://[REDACTED])

Access token URL: [https://\[REDACTED\]](https://[REDACTED])

Authentication request URL: [https://\[REDACTED\]](https://[REDACTED])

Public Key (copy to LMS):
-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAASCAQD...-----END PUBLIC KEY-----

Save Cancel

Figure: Deployment id und Client id

Note: You can also find the required information in the Moodle block settings if you create a new block of the type "Evaluations (evasys)" and click on the menu item [Configure evaluations (evasys)] in the upper right corner after activating the editing mode.

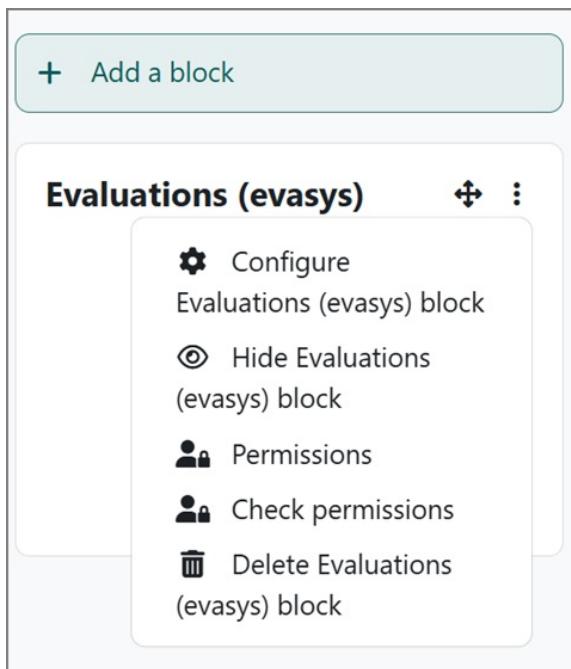


Figure: Settings of Moodle in evasys

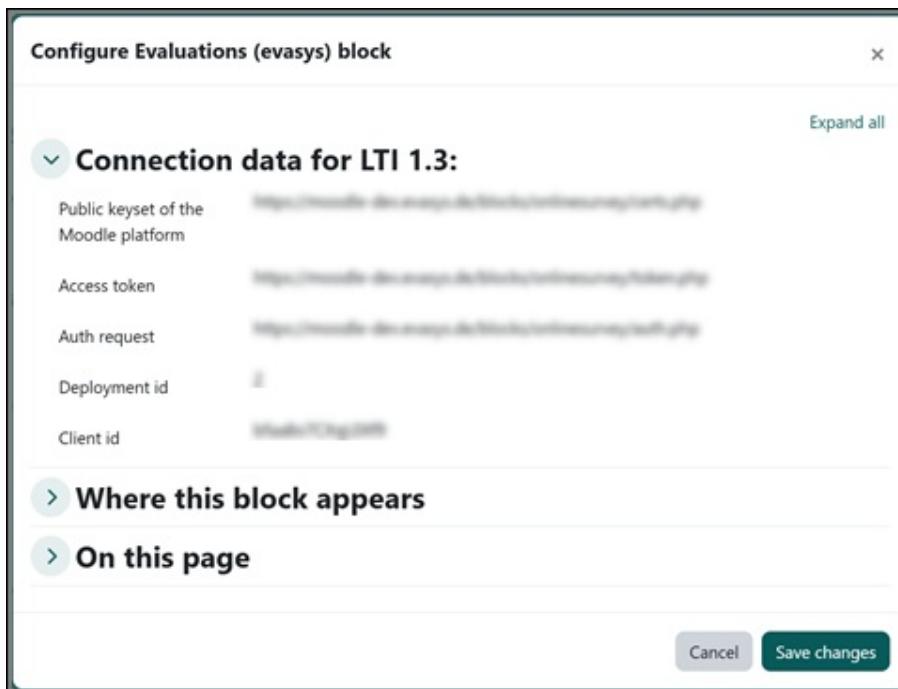


Figure: Settings that need to be transferred from Moodle to evasys

Expert Settings

Finally, expert settings of the Moodle block are offered. These usually do not need to be adapted and are reserved for special purposes:

- **Debug Mode:**

If enabled, debug and error messages will be displayed within the Moodle block.

- **Additional CSS for iframe:**

Here you can enter CSS code that will be added to the page that is loaded in the Moodle block. You can use this setting to adapt the content of the Moodle block to your needs.

Please note: This setting is used in compact display mode for LTI® and SOAP connections, as well as detailed display mode for SOAP connections. It is not used in the detailed display mode for LTI® - if you want to change styles here, please make the changes in the LTI® template in evasys.

- **LTI® - Regular Expression "Learner":**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

- **LTI® - Instructor Regular Expression:**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

Expert settings

The settings in this section normally don't need any modification and are provided for special usage scenarios.

Debug mode
block_onlinesurvey | survey_debug

Default: No

If activated, debugging and error messages are shown within the evasys block.

Additional CSS for iframe
block_onlinesurvey | additionalcss

Default: Empty

Here, you can add CSS code which will be added to the page which is loaded in the evasys block. You can use this setting to re-style the evasys block content according to your needs.

Please note: This setting is used in compact mode for LTI and SOAP connections as well as in detailed mode for SOAP connections. It is not used in detailed mode for LTI connections - if you need to add custom styles in this mode, please change your LTI template in evasys.

LTI - Learner regular expression
block_onlinesurvey | lti_regex_learner

/<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Default: /<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

LTI - Instructor regular expression
block_onlinesurvey | lti_regex_instructor

/<(div){1}[\s]{1,}(class=){1}["|"]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}["|"]{1}

Default: /<(div){1}[\s]{1,}(class=){1}["|"]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}["|"]{1}>/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

Save changes

?

Figure: Expert Settings

When you have made all the necessary settings in the relevant areas, please click on [Save Changes] to complete the setup of the installed plug-in.

Attention

From time to time, an error message occurs in Moodle when saving the settings. In this case, please click on "Save" again. It usually works on the second attempt.

Moodle plug-in via SOAP

Setup via SOAP

If the data transfer for the Moodle plug-in for evasys takes place via the SOAP API, the range of functions is significantly limited. In the Moodle block, only a list of links to the open online surveys is displayed in the student view. There is no lecturer's view here.

Pop-Up Message

If activated, students will be shown a pop-up window immediately after logging in with the message configured in the settings that open online surveys are available for them. The message appears after each new login, as long as there are open online surveys. If the participant no longer has open surveys, the message will no longer be displayed.

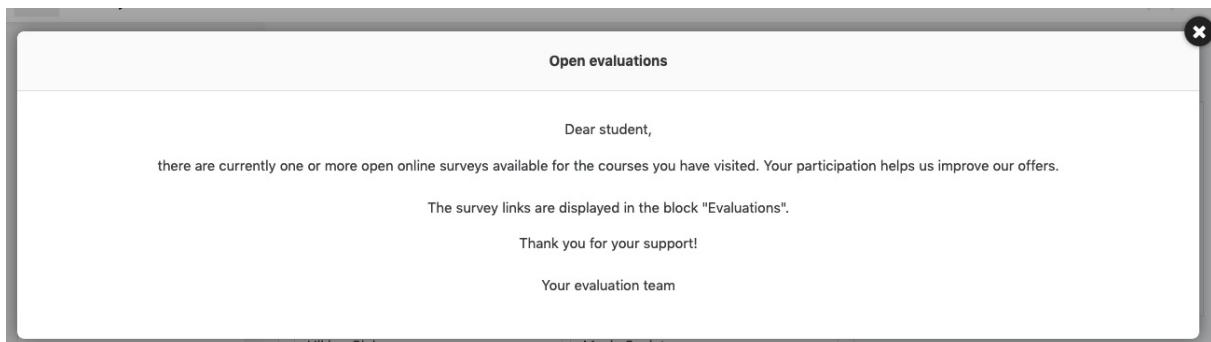
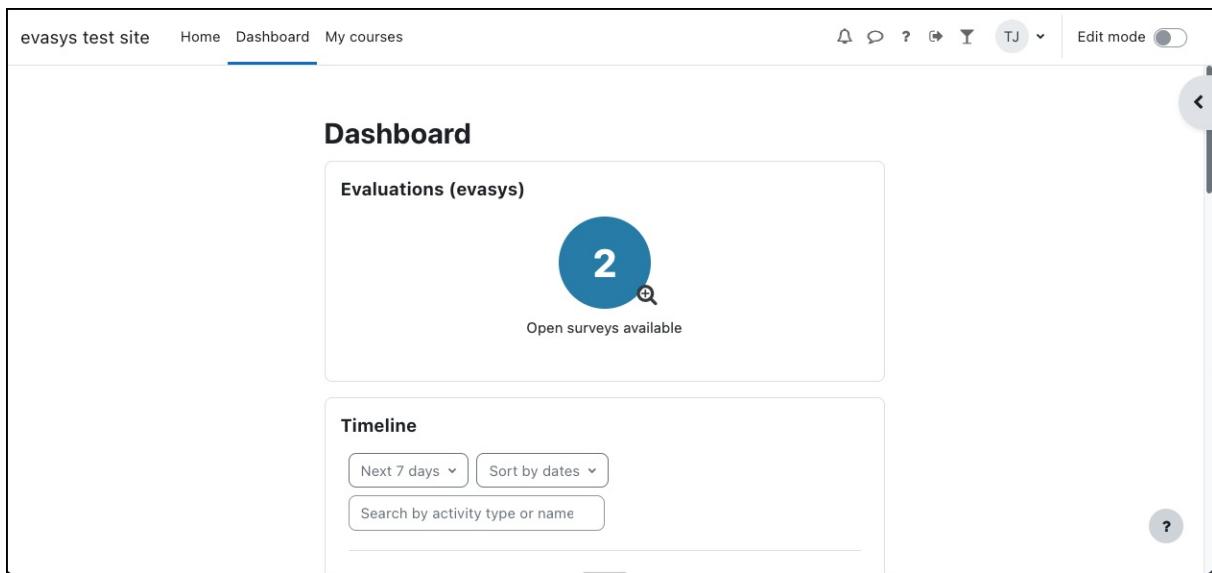


Figure: Pop-up message in the student view

Compact display

In the compact display mode, only the number of open polls is shown in the Moodle block via a graphic.

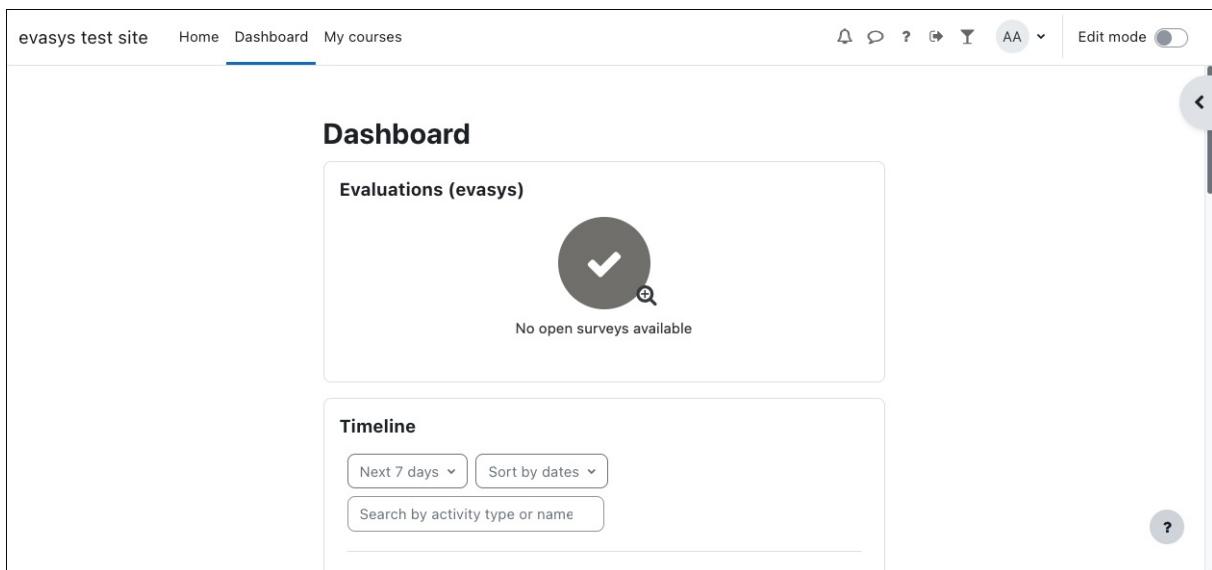


The screenshot shows the Moodle dashboard in compact mode. At the top, there is a navigation bar with 'evasys test site', 'Home', 'Dashboard' (which is underlined), and 'My courses'. On the right side of the header are icons for notifications, messages, help, and edit mode, along with a user profile icon labeled 'TJ'.

The main content area is titled 'Dashboard' and contains two sections:

- Evaluations (evasys)**: This section features a large blue circular icon with the number '2' and a plus sign. Below it, the text 'Open surveys available' is displayed.
- Timeline**: This section includes buttons for 'Next 7 days', 'Sort by dates', and a search bar for 'Search by activity type or name'.

Figure: Moodle block in the compact display with existing surveys



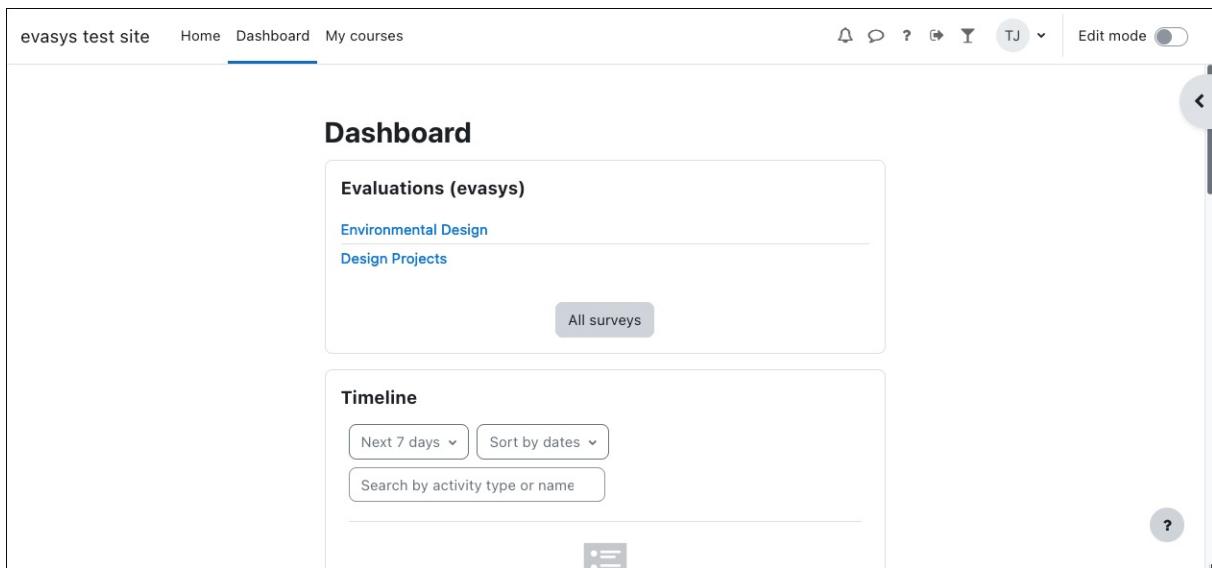
This screenshot shows the same Moodle dashboard in compact mode, but with no surveys available. The 'Evaluations (evasys)' section now displays a grey circular icon with a checkmark and a plus sign, with the text 'No open surveys available' below it.

The 'Timeline' section remains the same, with buttons for 'Next 7 days', 'Sort by dates', and a search bar.

Figure: Moodle block in compact format without existing surveys

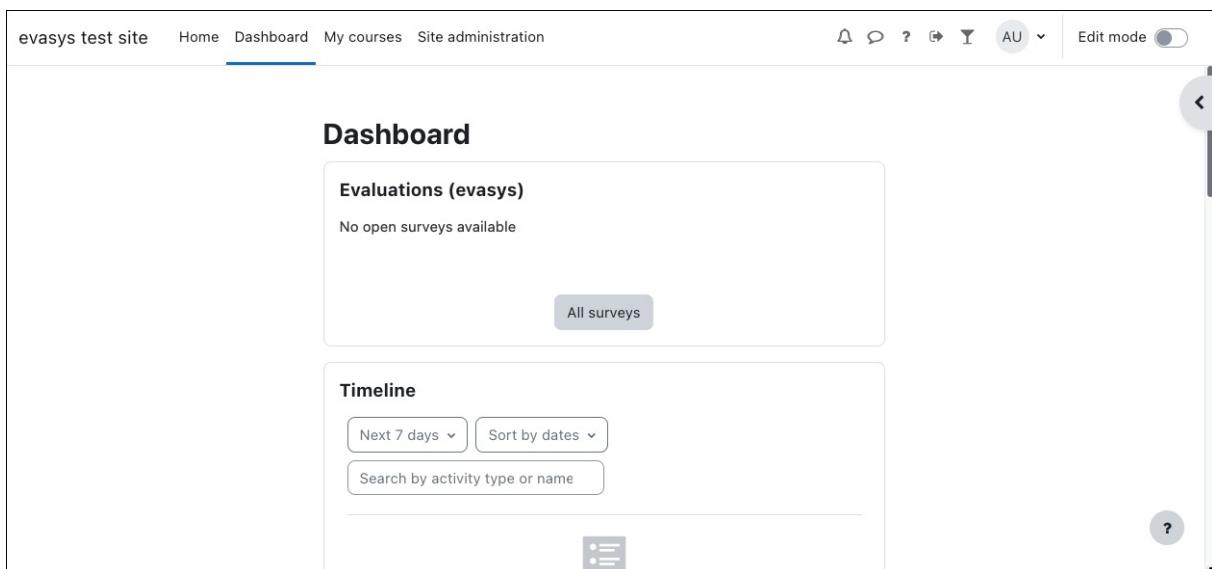
Detailed presentation

In detailed display mode, the links to the online surveys are provided directly in the Moodle block.



The screenshot shows a Moodle dashboard with the 'Dashboard' tab selected. In the top navigation bar, 'evasys test site' is at the far left, followed by 'Home', 'Dashboard' (which is highlighted in blue), 'My courses', and 'Site administration'. On the right side of the header are icons for notifications, messages, help, and edit mode, with 'Edit mode' being turned off. Below the header, the word 'Dashboard' is centered in bold. Underneath it is a box titled 'Evaluations (evasys)' containing two items: 'Environmental Design' and 'Design Projects'. At the bottom of this box is a grey button labeled 'All surveys'. To the right of this box is another box titled 'Timeline' with three buttons: 'Next 7 days', 'Sort by dates', and 'Search by activity type or name'. A small question mark icon is located in the bottom right corner of the timeline box.

Figure: Moodle block in the detailed representation with existing surveys



This screenshot shows the same Moodle dashboard as the previous one, but with no surveys listed under the 'Evaluations (evasys)' box. The box instead displays the message 'No open surveys available'. All other elements, including the 'Timeline' box and the bottom right question mark icon, remain the same.

Figure: Moodle block in the detailed representation without existing surveys

Enlarged list view

In the compact display mode, an enlarged list view can be opened by clicking on the graphic, in the detailed display the same can be achieved with the button below the poll list.

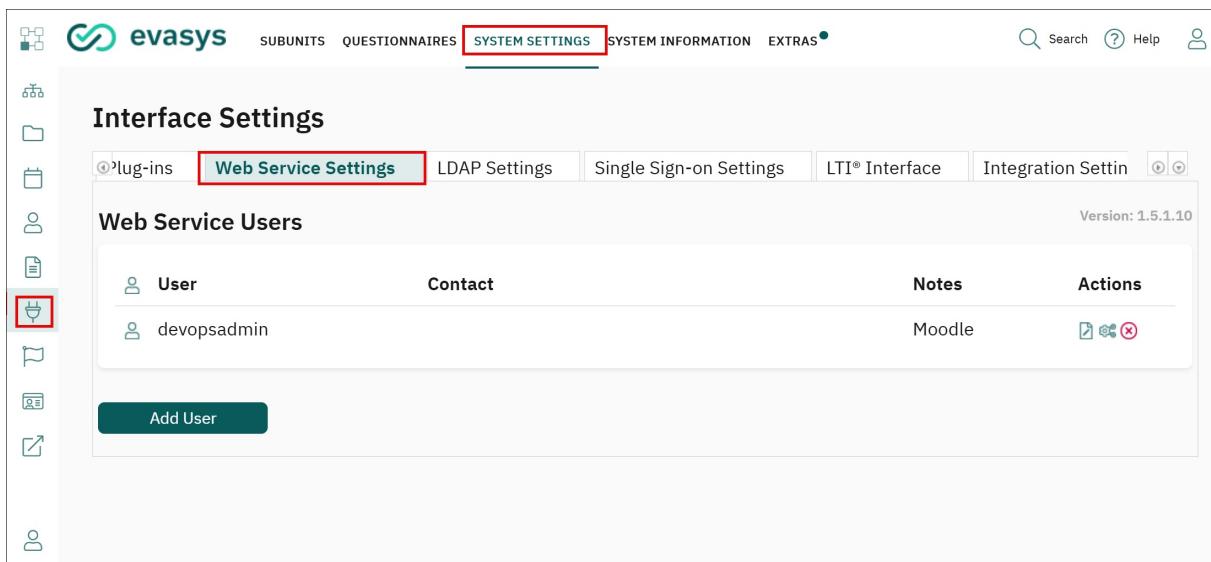


Figure: Enlarged list view of the Moodle block

If you are an administrator and deactivate the *Always offer enlarged list view* setting, the user will only be able to open the enlarged list view if they have open surveys.

SOAP setup in evasys

In order to allow evasys and Moodle to communicate via SOAP, the evasys web service interface must be configured as an administrator. To do this, open the menu "Settings / Interfaces & Plug-ins / Web Service Settings" in evasys.



The screenshot shows the 'Web Service Settings' page under the 'SYSTEM SETTINGS' tab. On the left, there's a sidebar with icons for Subunits, Questionnaires, Plugins, LDAP, SSO, LTI, Integration, and Help. The 'Plugins' icon is highlighted with a red box. The main area is titled 'Interface Settings' and 'Web Service Users'. It lists one user, 'devopsadmin', with notes 'Moodle' and actions for edit and delete. A 'Add User' button is at the bottom. The top navigation bar includes 'Search', 'Help', and a user profile icon.

Figure: Web Service Settings

Adding Web Service Users

Connected Moodle servers must be added as web service users. In this area, the existing users are displayed and users can be added via the [Add User] button.

Interface Settings

Plug-ins Web Service Settings LDAP Settings Single Sign-on Settings LTI® Interface Integration Settings

Version: 1.5.1.10

Web Service Users

User	Contact	Notes	Actions
devopsadmin		Moodle	 

Add User

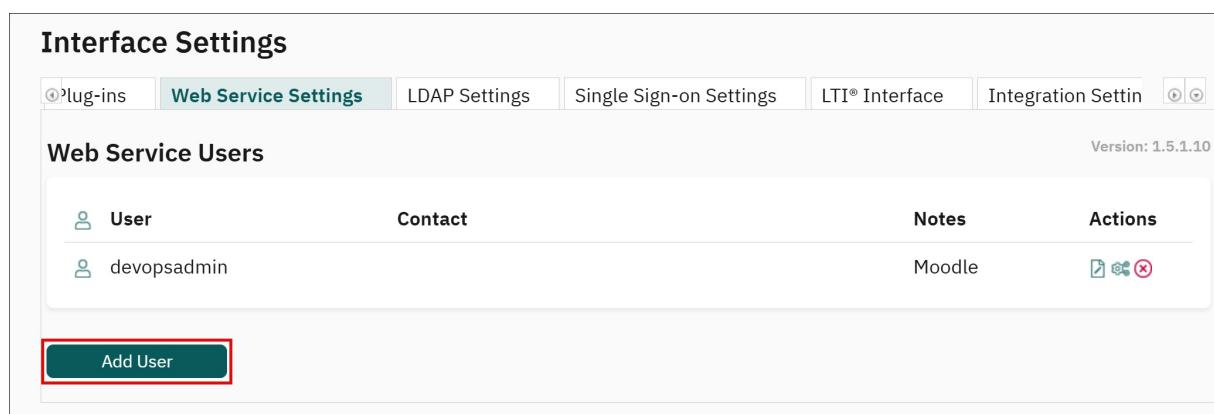


Figure: Web Service Users

Login and password are mandatory fields and must be configured later in the Moodle plug-in for evasys. The other fields are optional and may include a responsible contact person.

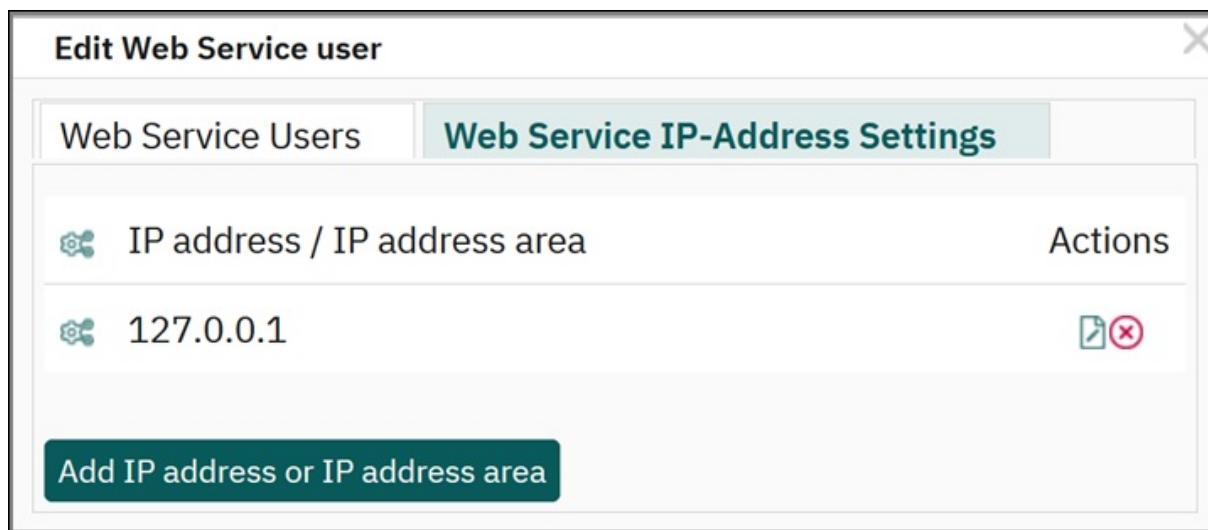
Edit Web Service user

Web Service Users	Web Service IP-Address Settings
Login*:	devopsadmin
Password*: ① Secure
Verify password*:
Contact	
Form of Address:	neutral ▾
Title:	
First name:	Frodo
Last name:	Baggins
Email:	f.baggings@sample.com
Phone:	
Notes:	Moodle

Save **Cancel**

Figure: Adding a New Web Service User

Furthermore, the IP address range must be configured. The IP address of the connected Moodle server is configured in the "IP address settings" tab.



The screenshot shows a software interface titled 'Edit Web Service user'. At the top, there are two tabs: 'Web Service Users' and 'Web Service IP-Address Settings', with the latter being active. Below the tabs, there is a table with one row. The first column contains a gear icon and the text 'IP address / IP address area'. The second column contains the value '127.0.0.1'. To the right of the table is a column labeled 'Actions' with a green edit icon and a red delete icon. At the bottom of the screen, there is a teal-colored button labeled 'Add IP address or IP address area'.

Figure: Web Service IP Address Settings

Individual IP addresses or IP address ranges can be specified. The latter is only helpful for load balancing or redundant systems.

It is important that the connected server and the evasys server can communicate via the configured IP. When using proxy servers, it may be necessary to store the IP of the proxy server.

If a non-configured system tries to use the evasys web service, an error message occurs.

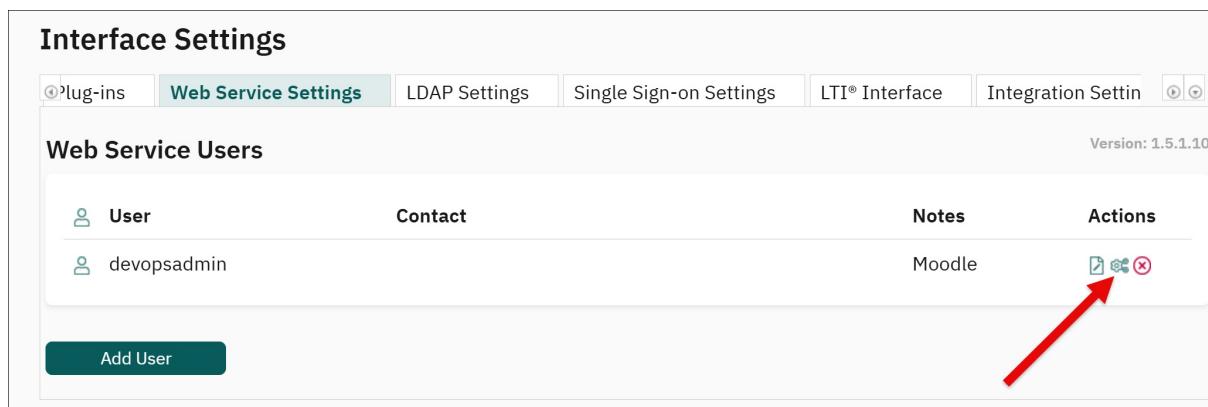
Finish adding the Web service user by clicking [Save] in the Web Service Users menu.

Configuration of transaction rights

It is important that the new web service user receives the correct transaction right. First, please click on the icon



to display the available transaction rights.



The screenshot shows a software interface titled 'Interface Settings'. At the top, there are several tabs: 'Plug-ins', 'Web Service Settings' (which is active), 'LDAP Settings', 'Single Sign-on Settings', 'LTI® Interface', and 'Integration Settings'. Below the tabs, there is a section titled 'Web Service Users'. This section contains a table with one row. The first column has a user icon and the text 'User'. The second column has a contact icon and the text 'Contact'. The third column has a notes icon and the text 'Notes' followed by 'Moodle'. The fourth column is labeled 'Actions' and contains three icons: a green edit icon, a blue info icon, and a red delete icon. At the bottom of the screen, there is a teal-colored button labeled 'Add User'.

Figure: Open web service transaction rights

Then select the "getpswdbyparticipant" right from the list and click [Save] at the bottom of the list.

Web Service Transaction rights	
 getpercentofcompletedsurveysbyparticipant	<input type="checkbox"/>
 getperiod	<input type="checkbox"/>
 getperiodbydate	<input type="checkbox"/>
 getperiodbyid	<input type="checkbox"/>
 getpswdsbyparticipant	<input checked="" type="checkbox"/>
 getpswdsbyrecipient	<input type="checkbox"/>
 getpswdsbysurvey	<input type="checkbox"/>
 getpswdsummary	<input type="checkbox"/>
 getqualityguidelinesconfigforforms	<input type="checkbox"/>
 getqualityguidelinesforsurveys	<input type="checkbox"/>
 getreaderscanbatchlist	<input type="checkbox"/>

Figure: Setting Web Service Transaction Rights

Web service users can be edited or deleted afterwards. They can be edited with the help of the symbols



and



in the Actions column, or deleted with the symbol



Interface Settings

Plug-ins Web Service Settings LDAP Settings Single Sign-on Settings LTI® Interface Integration Settings

Version: 1.5.1.10

Web Service Users

User	Contact	Notes	Actions
devopsadmin		Moodle	 

Add User

Figure: Actions column

SOAP setup in Moodle

Installation of the Moodle plug-in for evasys

The Moodle plug-in from evasys is uploaded and installed in Moodle as an administrator via the "Website Administration" under "Plug-ins / Install Plug-ins" as a zip file. It will then appear as a newly installed plug-in in Moodle under the tab "Plug-ins / Plug-in Overview / Additional Plug-ins", from where further settings can be made.

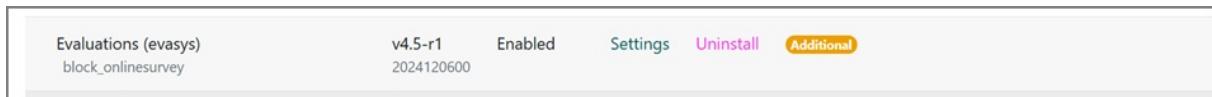


Figure: evasys plug-in in plug-in overview in Moodle

General information on installing plug-ins in Moodle can be found in the current Moodle documentation under https://docs.moodle.org/405/en/Plug-ins_FAQ.

Configuring the Moodle Plug-in for evasys

In the "Settings" of the Moodle plug-in for evasys, you can now define various parameters. These are divided into different sections:

Representation

At the beginning, the display of the Moodle block can be defined as a central component of the Moodle plug-in for evasys:

- **Title:**

The text entered here will be used as the Moodle block title. If required, several languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

- **Display mode:**

In the compact display mode, only the number of open surveys is shown in the evasys block via a graphic. In this mode, an enlarged list view can be opened by clicking on the graphic as soon as the user has at least one open survey.

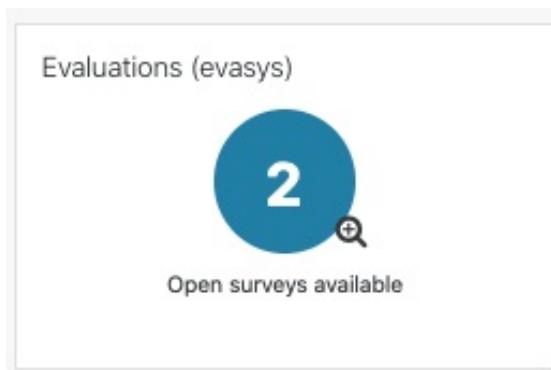


Figure: Compact display mode

In detailed display mode, the links to the online surveys are provided directly in the Moodle block (only in the case of communication via SOAP).

In this mode, an enlarged list view can be opened by clicking on a button below the list as soon as the user has at least one open survey.

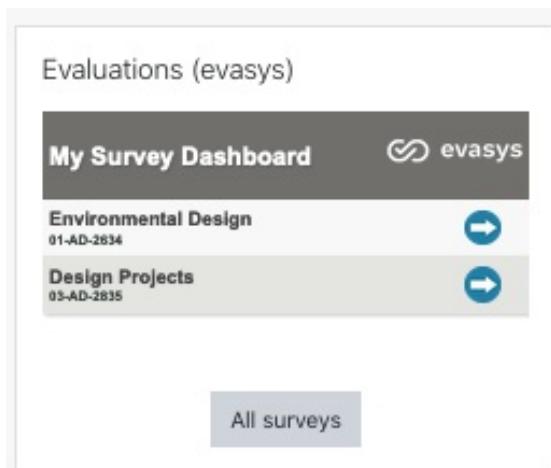


Figure: Display mode - detailed

- **Hide empty block:**

If activated, the Moodle block will be hidden if there are no polls for the user. If not activated, a graphic with a check mark and the text "No open evaluations" is displayed in the compact view, and an empty list is displayed in the detail view.

- **Always offer an enlarged list view:**

If enabled, the user will always be able to open the enlarged list view. If disabled, the user will only be able to open the enlarged list view if they have an open poll.

- **Show waiting picture:**

If activated, a waiting image will be displayed in the Moodle block until the open polls are loaded by evasys.



Figure: Waiting image before loading when enabled

- **Pop-up message active:**

If activated, a pop-up with information about open online surveys (if available) will be displayed every time a student logs into Moodle.

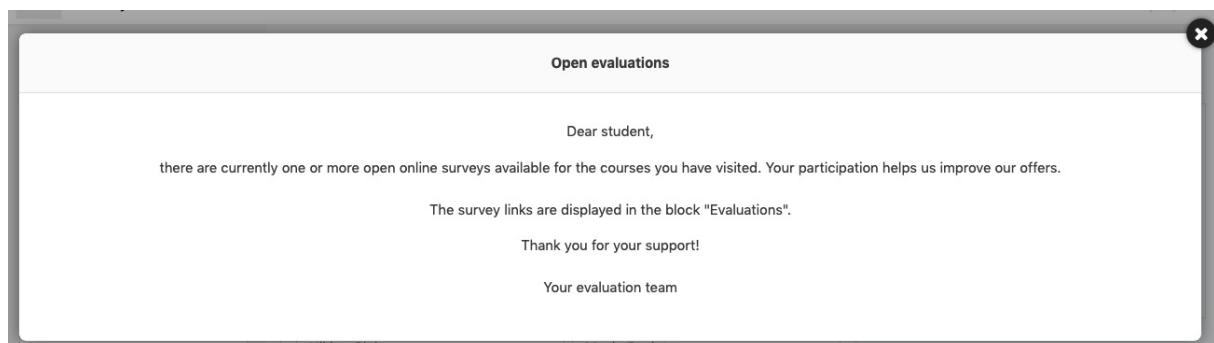


Figure: Pop-up message when logging in to Moodle

- **Pop-up Title:**

If necessary, this setting can be used to customize the title of the pop-up. If required, multiple languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

- **Pop-up content:**

If necessary, this setting can be used to adjust the content of the pop-up. If desired, several languages (e.g. English and German) can be entered using the Moodle Multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter).

New settings - Evaluations (evasys)

Title
block_onlinesurvey | blocktitle

Evaluations (evasys) Default: Evaluations (evasys)

The text entered here is used as the block title. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Display mode
block_onlinesurvey | presentation

Compact Default: Compact

In compact mode, the evasys Block displays the number of open surveys by means of a graphic. In this mode, an enlarged list view can be opened as soon as the user has at least one open survey by clicking on the graphic.
In detailed mode, the evasys Block displays the list of available surveys directly. In this mode, but only when using a SOAP connection, an enlarged list view can be opened as soon as the user has at least one open survey by clicking a button below the list.

Hide empty block
block_onlinesurvey | survey_hide_empty

Default: No
If activated, the evasys block is hidden when the user has no surveys. If it is not activated, in the compact view a graphic with the text "No open evaluations available" is displayed and in the detailed view an empty list is presented.
Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you may not want to hide the block. Otherwise, the participants would no longer be able to access the results.

Always offer enlarged list view
block_onlinesurvey | offer_zoom

Default: Yes
If activated, the user will always be able to open the enlarged list view. If not activated, the user will only be able to open the enlarged list view if he has open surveys.
Please note: If the LTI template you are using is configured in a way that participants are allowed to see and/or access results for surveys they have taken part in, you will want to enable this setting. Otherwise, the participants would no longer be able to access the results.

Show spinner
block_onlinesurvey | show_spinner

Default: Yes
If activated, a spinner icon will be shown in the block until the open surveys are loaded from evasys.

Pop-up info active
block_onlinesurvey | survey_show_popupinfo

Default: No
If activated, a pop-up with an information about open online surveys (if existing) is displayed every time a student logs in to Moodle.

Pop-up title
block_onlinesurvey | survey_popupinfo_title

Open evaluations Default: Open evaluations

If needed, the title of the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Pop-up content
block_onlinesurvey | survey_popupinfo_content

Editor toolbar: Edit View Insert Format Tools Table Help

Dear student.

there are currently one or more open online surveys available for the courses you have visited. Your

p 42 words Build with 

Default:
<p>Dear student,</p>
<p>there are currently one or more open online surveys available for the courses you have visited. Your participation helps us improve our offers.

The survey links are displayed in the block "Evaluations".</p>
<p>Thank you for your support!

Your evaluation team</p>

If needed, the content which is presented in the pop-up can be modified with this setting. You can define more than one language (e.g. English and German) by using the Moodle multilanguage filter syntax (see https://docs.moodle.org/en/Multi-language_content_filter for details).

Figure: General Moodle Block Settings

Communication

Next, you need to set the settings for the Moodle plug-in to communicate with evasys:

- **Communication protocol:**

Here you activate whether Moodle should communicate with evasys via LTI® or SOAP. In this case, select SOAP.

- **User Identifier:**

Choose whether to use a user's email address or login name as a unique user identifier.

- **User data field in evasys:**

If the login name is used as a user identifier, one of the first three user data fields in evasys can be used for authentication for students.

- **Connection timeout:**

Maximum response time (in seconds) of the evasys server. If the evasys server does not respond within this time, the request will be canceled and no surveys will be displayed to the user.

Communication

The settings in this section define how the evasys block will communicate with evasys.

Communication protocol
 Default: LTI
block_onlinesurvey | connectiontype

Here you can define whether Moodle should communicate with evasys via SOAP or LTI. Depending on the communication protocol selected here, please do your further settings in the corresponding protocol section below.

User identifier
 Default: Email address
block_onlinesurvey | useridentifier

Select whether a user's email address or username should be used as unique user identifier.

Custom field in evasys
 Default: Custom field No. 1
block_onlinesurvey | customfieldnumber

If the username is selected as user identifier, one of the first three custom fields in evasys can be used for authentication.
Please note: This setting is only relevant for learners. If you decide to use the username for instructors, the username must be stored in evasys in the field "External ID" of the user settings.

Connection timeout
 Default: 0
block_onlinesurvey | survey_timeout

Maximum response time (in seconds) of the evasys server. If the evasys server didn't answer within this time, the request is aborted and the surveys are not shown to the user.

Figure: SOAP communication settings

SOAP Settings

If you are using SOAP, please configure the following settings:

- **evasys SOAP WSDL URL:**

URL of the WSDL file on the evasys server:

[https://\[SERVERNAME\]/evasys/services/soapserver-v100.wsdl](https://[SERVERNAME]/evasys/services/soapserver-v100.wsdl)

(e.g. *<https://example.evasys.de/evasys/services/soapserver-v100.wsdl>*)

Attention: If evasys is operated with several servers (dual server option), the backend server on which users work like administrators must be specified here. This prevents too much load on the online survey server.

- **evasys SOAP path for online surveys:**

URL of the evasys online survey login: *[https://\[SERVERNAME\]/evasys/](https://[SERVERNAME]/evasys/)*

(e.g. *<https://example.evasys.de/evasys/>*)

- **evasys SOAP Username:**

Username of the evasys SOAP user (see section "SOAP setup in evasys")

- **evasys SOAP Password:**

Password of the evasys SOAP user (see section "SOAP setup in evasys")

- **Request data via SOAP for each output:**

If activated, the data to be output is retrieved from evasys for each output of the Moodle block. If not activated, the data will only be retrieved once per session (i.e. only once after each Moodle login).

evasys SOAP WSDL URL block_onlinesurvey survey_server	<input type="text"/> Default: Empty
URL of the web service description file on the evasys server (https://[SERVERNAME]/evasys/services/soapserver-v61.wsdl). <i>Please note: If evasys is operated with several servers (dual server option), the backend server on which users and administrators work, must be specified here. This prevents a too high load on the online survey server.</i>	
evasys SOAP path for online surveys block_onlinesurvey survey_login	<input type="text"/> Default: Empty
URL of the evasys online survey login (https://[SERVERNAME]/evasys/).	
evasys SOAP username block_onlinesurvey survey_user	<input type="text"/> Default: Empty
User name of the evasys SOAP user.	
evasys SOAP password block_onlinesurvey survey_pwd	Click to enter text  
Password of the evasys SOAP user.	
Request SOAP data on every rendering block_onlinesurvey soap_request_eachtime	<input type="checkbox"/> Default: No
If activated, the data which is rendered in the evasys block will be requested from evasys each time the block is rendered. If not activated, the data is only requested once per session (i.e. only once a user logged into Moodle).	

Figure: SOAP Settings

LTI® Settings

Are not relevant at this point, as Moodle is to be connected via SOAP.

LTI® 1.0/1.1 settings

Are not relevant at this point, as Moodle is to be connected via SOAP.

LTI® 1.3 settings

Are not relevant at this point, as Moodle is to be connected via SOAP.

Expert Settings

Finally, expert settings of the Moodle block are offered. These usually do not need to be adapted and are reserved for special purposes:

- **Debug Mode:**

If enabled, debug and error messages will be displayed within the Moodle block.

- **Additional CSS for iframe:**

Here you can enter CSS code that will be added to the page that is loaded in the Moodle block. You can use this setting to adapt the content of the Moodle block to your needs.

Please note: This setting is used in compact display mode for LTI® and SOAP connections, as well as detailed display mode for SOAP connections. It is not used in the detailed display mode for LTI® - if you want to change styles here, please make the changes in the LTI® template in evasys.

- **LTI® - Regular Expression "Learner":**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

- **LTI® - Instructor Regular Expression:**

Regular expression that searches the content of the LTI® response for open online surveys. It only needs to be adapted if you have created your own templates or have been adapted in more depth, which differ in functions from the standard templates.

Please note: This setting will only be processed if you have selected "LTI" in the "Communication Protocol" setting.

Expert settings

The settings in this section normally don't need any modification and are provided for special usage scenarios.

Debug mode
block_onlinesurvey | survey_debug

Default: No

If activated, debugging and error messages are shown within the evasys block.

Additional CSS for iframe
block_onlinesurvey | additionalcss

Default: Empty

Here, you can add CSS code which will be added to the page which is loaded in the evasys block. You can use this setting to re-style the evasys block content according to your needs.

Please note: This setting is used in compact mode for LTI and SOAP connections as well as in detailed mode for SOAP connections. It is not used in detailed mode for LTI connections - if you need to add custom styles in this mode, please change your LTI template in evasys.

LTI - Learner regular expression
block_onlinesurvey | lti_regex_learner

/<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Default: /<(p){1}().{0,}[\s]{0,}(data-participated="false"){1}[\s]{0,}/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

LTI - Instructor regular expression
block_onlinesurvey | lti_regex_instructor

/<(div){1}[\s]{1,}(class=){1}[""]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}[""]{1}

Default: /<(div){1}[\s]{1,}(class=){1}[""]{1}[a-z]{0,}[\s]{0,}(response-box){1}[\s]{0,}[a-z]{0,}[\s]{0,}[""]{1}>/

Regular expression which searches the content of the LTI-Response for open online surveys. This only needs to be adjusted if customized templates have been created or modified in a way that the functions differ from the standard templates.

Please note: This setting is only processed if you selected "LTI" in the "Communication protocol" setting.

Save changes



Figure: Expert Settings

When you have made all the necessary settings in the relevant areas, please click on [Save Changes] to complete the setup of the installed plug-in.

Attention

From time to time, an error message occurs in Moodle when saving the settings. In this case, please click on "Save" again. It usually works on the second attempt.

Place Moodle Block

Placement of the Moodle block

The central component of the Moodle plugin is the Moodle block. This has been designed to be placed on the Moodle homepage, on the Moodle dashboard or on individual Moodle course main pages. Most likely, you will place the Moodle block on the default Moodle dashboard as a Moodle administrator or inform your Moodle users that you can add the block to their personal dashboard if needed.

The procedure for placing the Moodle block is always the same and follows the normal Moodle procedures:

Activate the edit mode by pressing the [Edit] button, open the block bar, open the *Add Block* menu and select "Evaluations (evasys)".

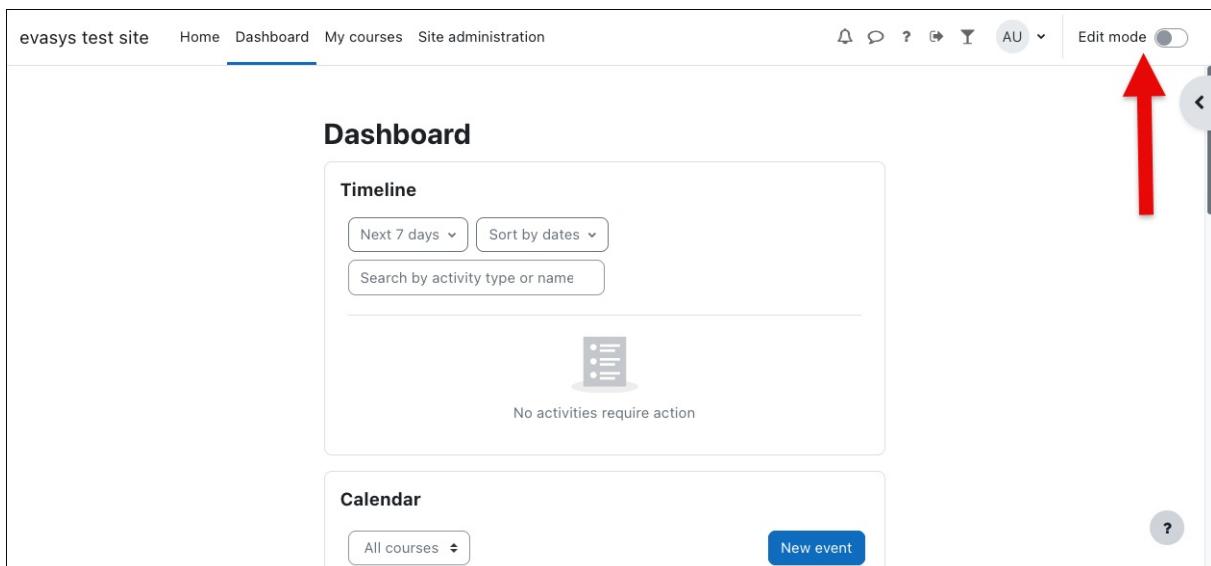
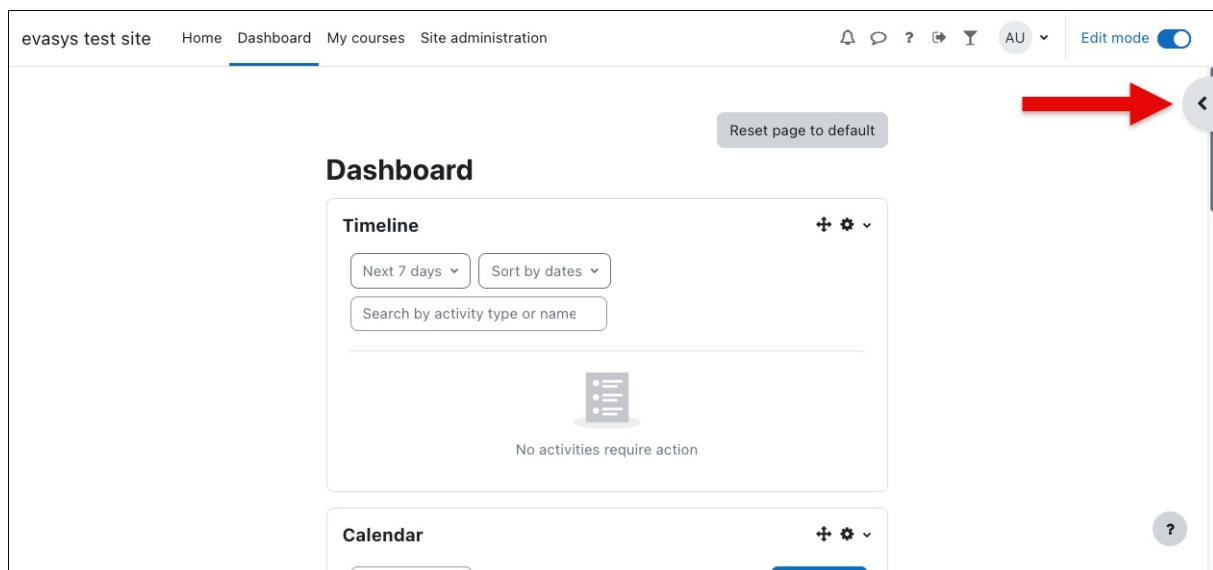
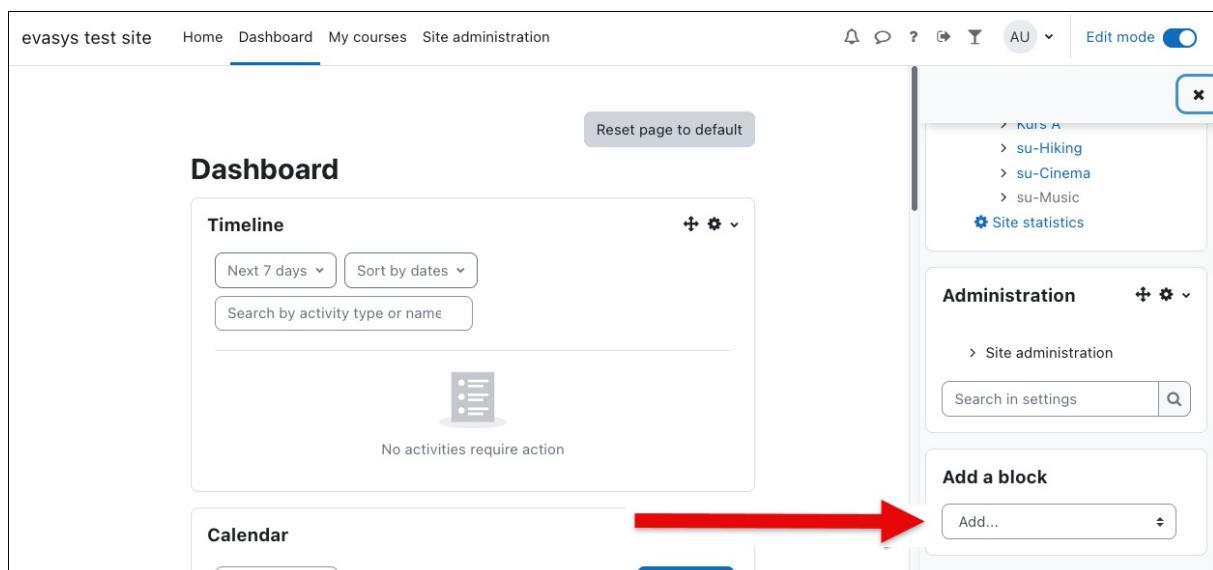


Figure: Activating block editing



The screenshot shows the Moodle dashboard for the 'evasys test site'. The 'Edit mode' switch is turned on. A red arrow points to the top right corner of the dashboard area.

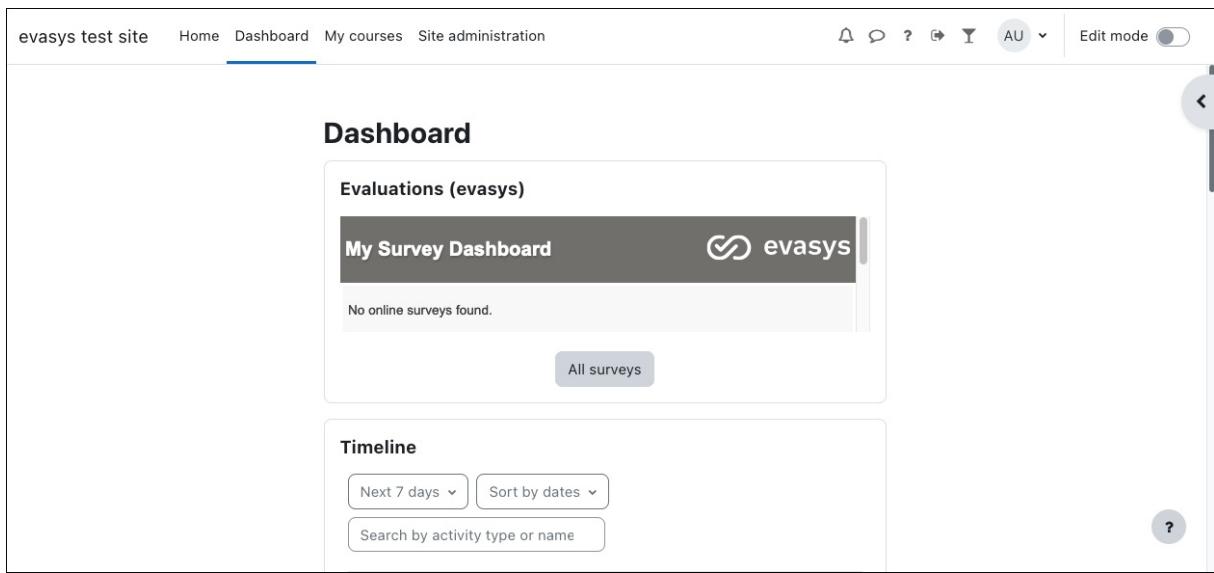
Figure: Open block bar



The screenshot shows the Moodle dashboard for the 'evasys test site'. The 'Edit mode' switch is turned on. A red arrow points to the 'Add...' button in the 'Add a block' section of the block bar.

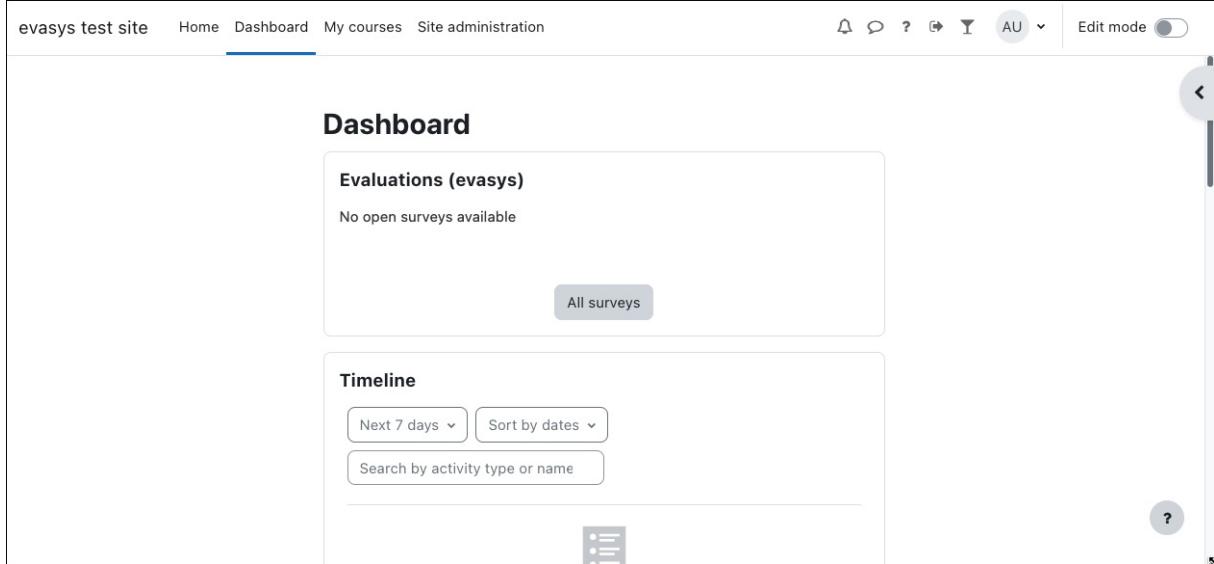
Figure: Add Block

Moodle will first add the evasys Moodle block at the bottom of the block bar. You can then drag it from there to the desired location, ideally in the middle of the dashboard.



The screenshot shows the Moodle dashboard for a user named 'evasys test site'. The top navigation bar includes 'Home', 'Dashboard' (which is underlined), 'My courses', and 'Site administration'. On the right side of the header are icons for notifications, messages, help, and edit mode. The main content area features a large 'Dashboard' title. Below it is a block titled 'Evaluations (evasys)' containing a sub-block titled 'My Survey Dashboard' with the evasys logo. A message says 'No online surveys found.' and a button labeled 'All surveys'. To the right of this is another block titled 'Timeline' with dropdown menus for 'Next 7 days', 'Sort by dates', and a search bar.

Figure: Moodle block in the middle of the dashboard



This screenshot shows the Moodle dashboard for an administrator ('AU'). The layout is identical to the user dashboard above, with the 'Dashboard' block in the center. The 'Evaluations (evasys)' block displays the message 'No open surveys available' and a 'All surveys' button. To the right is the 'Timeline' block with its respective controls. A small question mark icon is located in the bottom right corner of the main content area.

Figure: Moodle block displayed on the administrator's dashboard (LTI above®, SOAP below)

Design of the Moodle block

The Moodle block is adapted to the interface design of the *Moodle theme Boost* in the best possible way in its delivery state. Depending on your local Moodle installation and your Moodle theme, it is also possible that you can adapt the design of the Moodle block to your needs.

It is important to know that the content of the Moodle block, i.e. the survey list in detailed mode or the survey number in compact mode, is delivered in an iframe. The Moodle block itself may therefore have to be designed separately from the iframe content.

In particular, the following options are available to you:

- **CSS classes of the Moodle block:**

As soon as at least one open poll is available, the Moodle block will receive the CSS class `block_onlinesurvey_surveysexist` in addition to the standard CSS class `block_onlinesurvey`. You can use this class to design the Moodle block in your local Moodle theme via Custom CSS depending on the presence of polls.

In addition, the Moodle block receives the CSS classes `block_onlinesurvey_surveycount_1`, `block_onlinesurvey_surveycount_2`, `block_onlinesurvey_surveycount_3` or `block_onlinesurvey_surveycount_gt3`, which represent the number of open polls (1 to 3 and more than 3). You can use these classes to further highlight the Moodle block depending on the number of open polls in your local Moodle theme via Custom CSS.

- **CSS Classes of Compact View:**

The CSS classes mentioned in the previous point are also available in the compact view in the iframe. Here you will be added to element `#block_onlinesurvey_area` on a case-by-case basis.

You can use these classes to customize the compact view via the additional CSS for iFrame (see next point).

- **Additional CSS for iframe:**

With the admin setting *Additional CSS for iframe*, which was already mentioned during the installation of the Moodle plug-in, you can enter CSS code that is additionally loaded in the iframe. This procedure is necessary because you cannot customize the content of the iframe via Custom CSS in your local Moodle theme.

This setting is used in the compact display mode for LTI® and SOAP connections, and in the detailed display mode for SOAP connections. It is not used in detailed display mode for LTI® - if you want to change styles here, please make the changes in the LTI® template in evasys.

- **Height of iframe:**

The height of the iframe is determined by the display mode you have selected and by the number of surveys retrieved from evasys. The CSS selectors and elevations used for this can be found in `blocks/onlinesurvey/styles.css` and can be overridden via Custom CSS in your local Moodle theme if necessary.

Moodle block in the student view

When using the LTI® interface, the Moodle block determines whether the Moodle user is a student based on the *LTI® role assignment "Learner"* setting. If the user has one of the roles configured there in a Moodle course, the student view in the block will be displayed.

The student view then behaves as follows:

Pop-Up Message

If activated, students will see a pop-up window immediately after logging in with the message configured in the settings that open online surveys are available for them. The message appears after each new login as long as there are open online surveys. If the participant no longer has open surveys, the message will no longer be displayed.

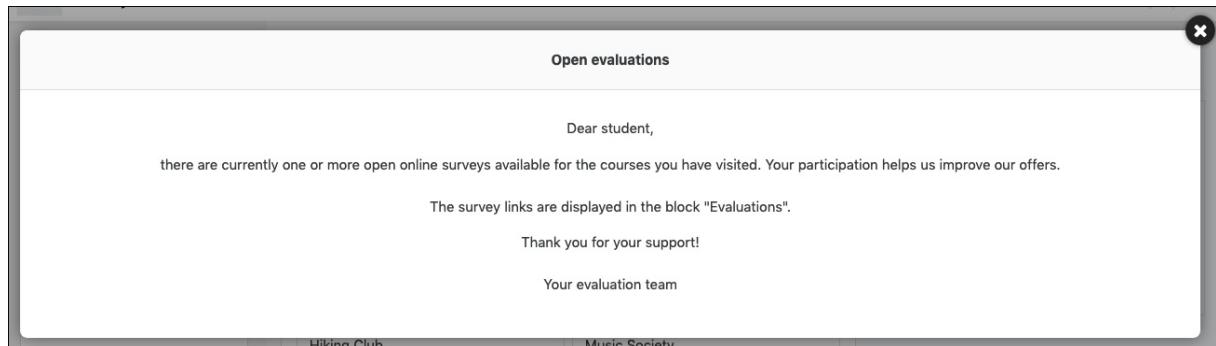


Image: Pop-up message in the student view

Compact display

In the compact display mode, only the number of open polls is shown in the Moodle block via a graphic.

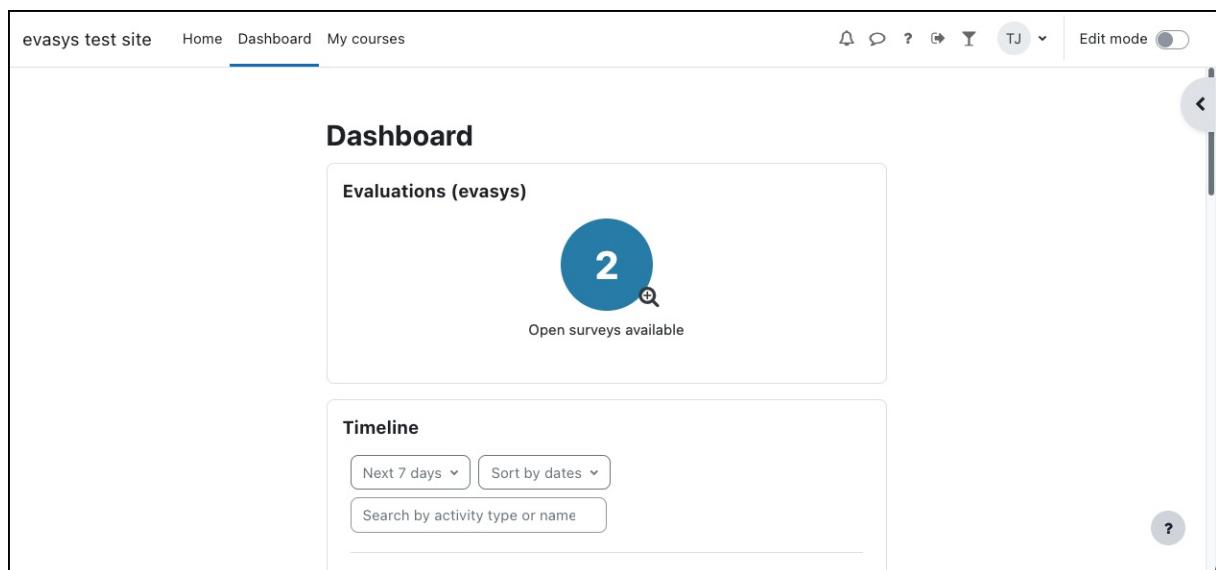
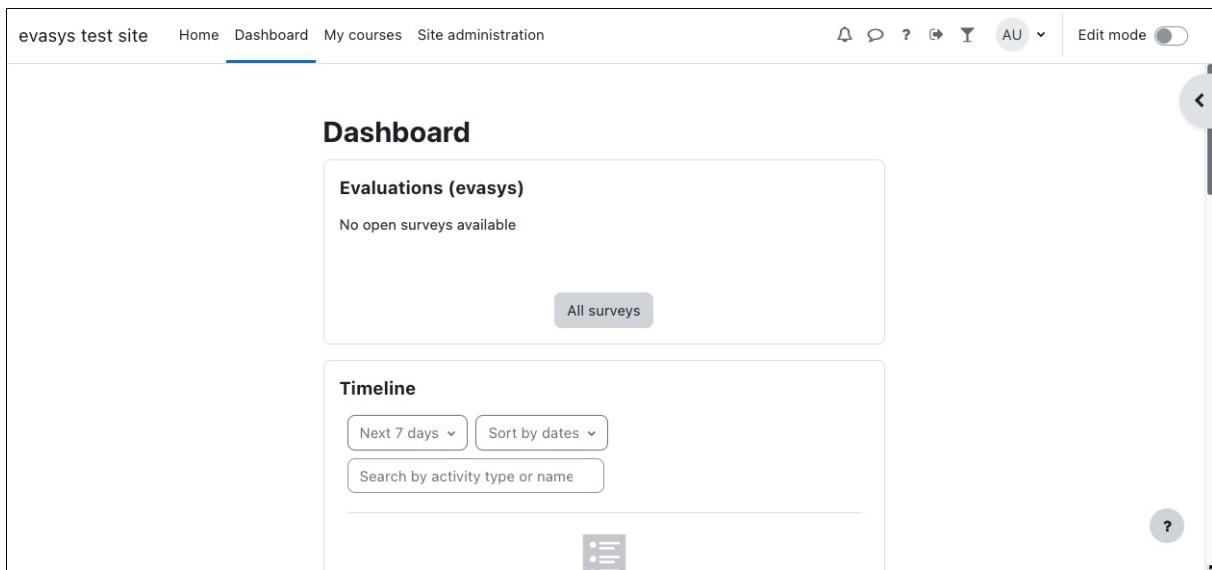


Figure: Moodle block in the compact display with existing surveys

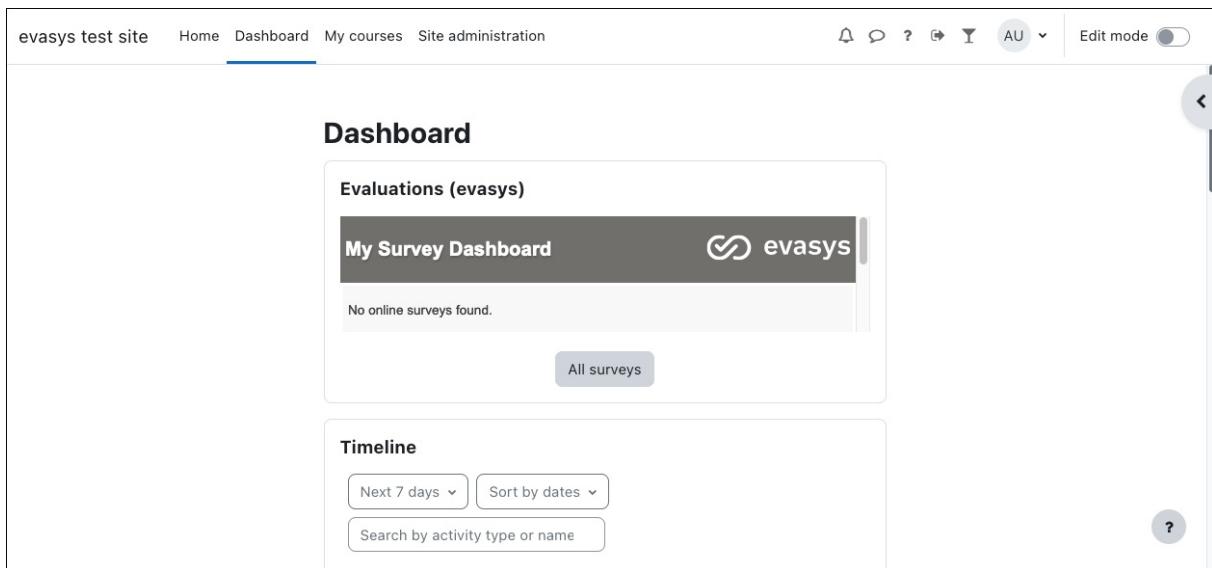


The screenshot shows the Moodle block in compact format. At the top, there is a header bar with the site name "evasys test site" and navigation links "Home", "Dashboard", "My courses", and "Site administration". On the right side of the header are icons for notifications, messages, help, and edit mode, with "Edit mode" being turned off. Below the header, the word "Dashboard" is centered. Underneath it is a section titled "Evaluations (evasys)" which displays the message "No open surveys available". A "All surveys" button is located at the bottom of this section. To the right of this is another section titled "Timeline" with buttons for "Next 7 days", "Sort by dates", and a search bar. A question mark icon is located in the bottom right corner of the timeline section.

Figure: Moodle block in compact format without existing surveys

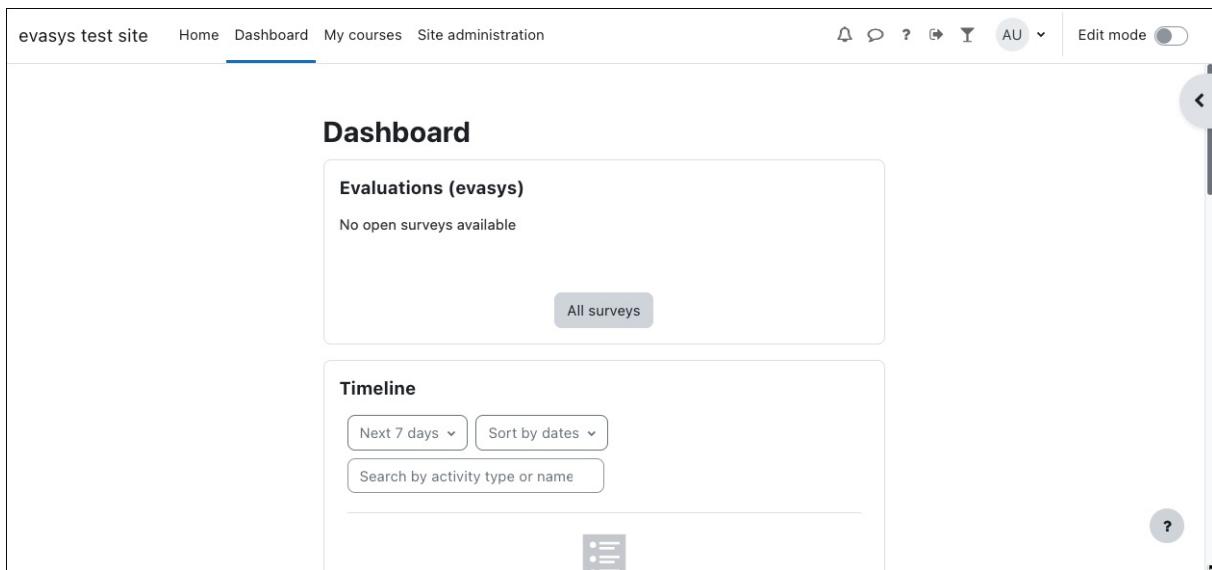
Detailed presentation

In detailed display mode, the links to the online surveys are provided directly in the Moodle block.



The screenshot shows the Moodle block in detailed representation. The layout is identical to the compact version, with the same header and navigation. The "Evaluations (evasys)" section now includes a "My Survey Dashboard" button and the evasys logo. The message "No online surveys found." is displayed below the button. The "All surveys" button is also present. The "Timeline" section remains the same with its respective buttons and search bar. A question mark icon is located in the bottom right corner of the timeline section.

Figure: Moodle block in the detailed representation with existing surveys

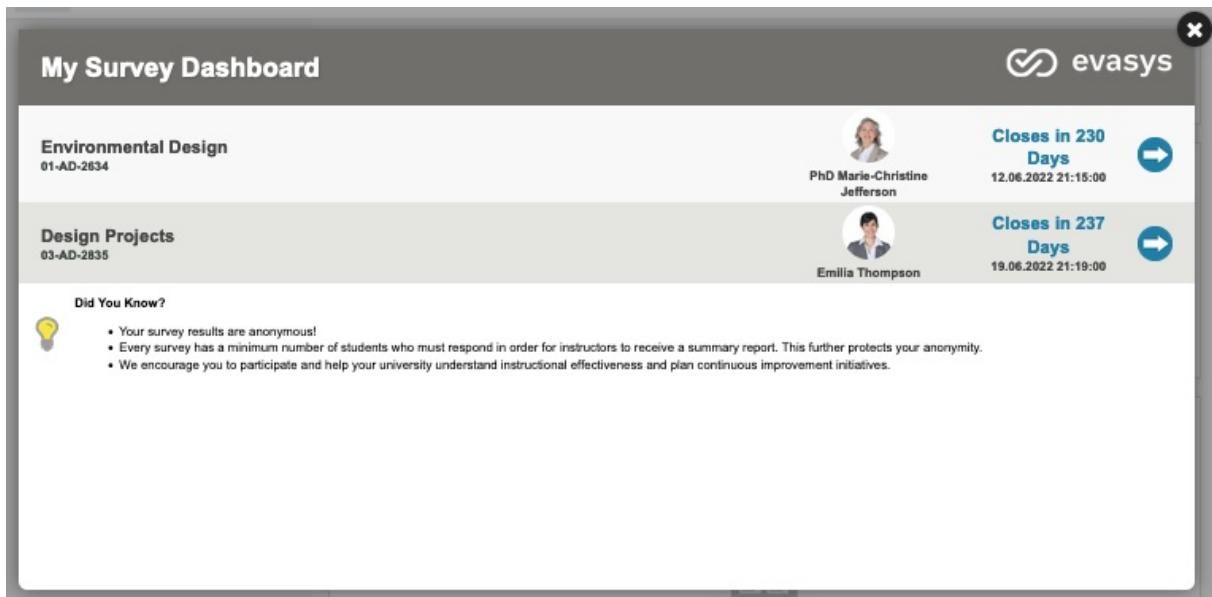


The screenshot shows the Moodle block in the detailed display mode. At the top, there's a header bar with 'evasys test site', 'Home', 'Dashboard' (which is underlined), 'My courses', and 'Site administration'. To the right of the header are icons for notifications, help, and user status ('AU'), followed by a toggle for 'Edit mode'. Below the header, the main content area is titled 'Dashboard'. It contains two sections: 'Evaluations (evasys)' which displays a message 'No open surveys available' and a button 'All surveys'; and 'Timeline' which includes buttons for 'Next 7 days', 'Sort by dates', and a search bar.

Figure: Moodle block in the detailed display without existing surveys

Enlarged list view

In the compact display mode, an enlarged list view can be opened by clicking on the graphic, in the detailed display the same can be achieved with the button below the poll list. If you are an administrator and deactivate the *Always offer enlarged list view* setting, the user will only be able to open the enlarged list view if they have open polls.

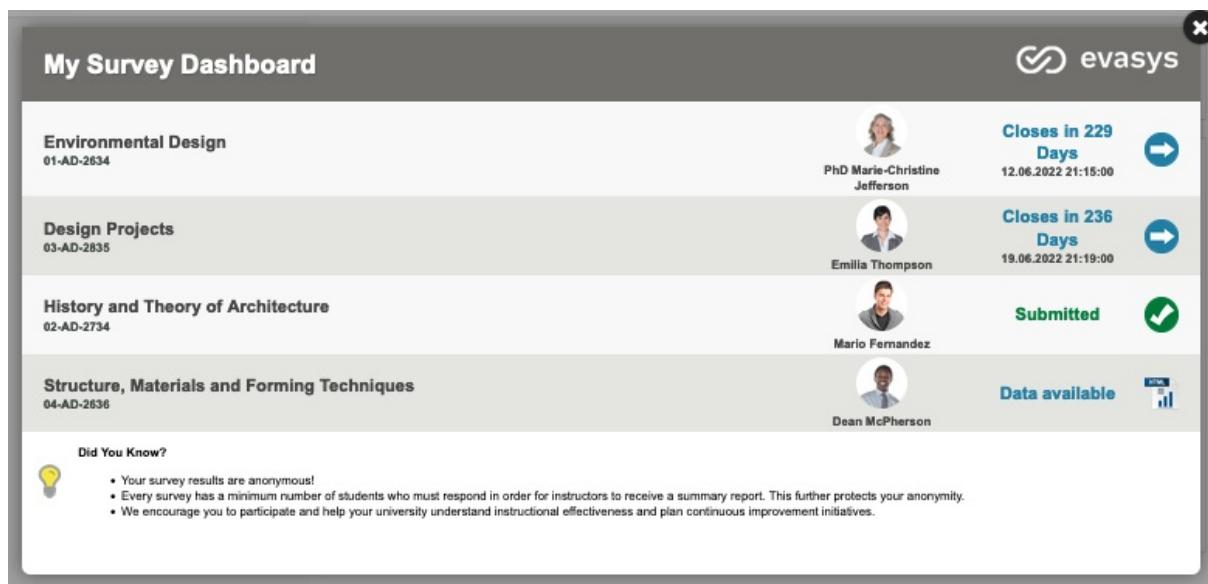


The screenshot shows the Moodle block in the enlarged list view mode. The title is 'My Survey Dashboard'. It lists two surveys: 'Environmental Design' (01-AD-2634) and 'Design Projects' (03-AD-2835). Each survey entry includes a thumbnail of the survey creator, the survey name, and a 'Closes in [days] Days' timer with a refresh icon. Below the surveys, there's a 'Did You Know?' section with a lightbulb icon and three bullet points about survey anonymity and participation.

Figure: Enlarged list view of the Moodle block

Contents of the survey list

The Moodle block shows a list of the current surveys for the period defined by LTI® parameters, e.g. for the current semester. Surveys in which the student has not yet participated are generally displayed at the top of the list.



My Survey Dashboard

Course	Due Date	Status
Environmental Design 01-AD-2634	12.06.2022 21:15:00	Closes in 229 Days
Design Projects 03-AD-2835	19.06.2022 21:19:00	Closes in 236 Days
History and Theory of Architecture 02-AD-2734		Submitted
Structure, Materials and Forming Techniques 04-AD-2636		Data available

Did You Know?

- Your survey results are anonymous!
- Every survey has a minimum number of students who must respond in order for instructors to receive a summary report. This further protects your anonymity.
- We encourage you to participate and help your university understand instructional effectiveness and plan continuous improvement initiatives.

Figure: Moodle block in the enlarged view

In the example, you can see four courses for which the student is activated for the evaluation. The first two surveys have not yet been taken. By clicking on the arrow, you can switch directly to the survey. No further authentication by TAN is required.

The third event has already been assessed, so the online questionnaire has already been sent. However, the survey has not yet been officially completed. In the LTI® template, custom parameters have been used to specify that surveys that have already been participated in will continue to be displayed.

In the fourth case, the LTI® template was defined via custom parameters that the students should have access to the data after completing the survey. In this case, by clicking on the HTML symbol, you can call up an HTML representation of the results of the survey directly in the browser. For this purpose, it is also necessary to activate the view for participants of the survey results in the details of the corresponding questionnaires.

The layout as well as the displayed content of the LTI® template can be freely configured. For example, the results insight for participants can be activated or deactivated.

Moodle block in the lecturer view

When using the LTI® interface, the evasys block determines whether the Moodle user is a lecturer based on the LTI® role assignment "Instructor" setting. If the user has one of the roles configured there in a Moodle course, the lecturer view in the Moodle block will be displayed.

The lecturer view is not fundamentally different from the student view. In the following, therefore, only the differences to the student view are presented:

Pop-Up Message

Lecturers do not receive any pop-up message after logging in, even if it is activated in the plug-in settings of the Moodle block.

Contents of the survey list

The Moodle block shows a list of the current surveys for the period defined by LTI® parameters, e.g. for the current semester.

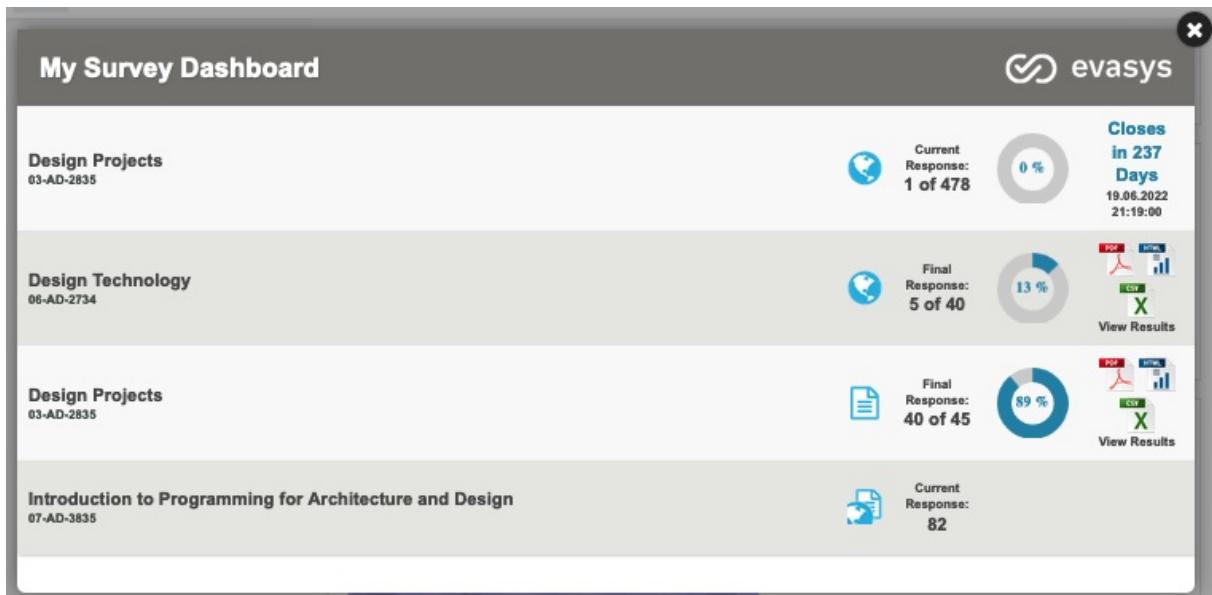


Figure: Moodle block in the enlarged view

In the example above, you can see four courses of a lecturer. Depending on how the LTI® template is configured, different information can be made available.

The first event is an online survey that is still open. The response that is currently already available is displayed, as well as information about when the survey ends.

The second example is an online survey that has already been completed. The final response is shown, and the evaluation can also be downloaded in PDF format or in the form of the CSV raw data.

The third example is a paper survey that has already been completed. The final response is shown, and the evaluation can also be downloaded in PDF format or in the form of the CSV raw data.

In the fourth example, you can see a hybrid survey that is still open. Only the current response is shown.

The layout as well as the displayed content of the LTI® template can be freely configured. For example, the download of the evaluations can be activated or deactivated.

Special LMS Parameters

You can also use special LMS parameters for the Moodle plug-in. These parameters are divided into two types:

Parameters for students/learners

- order_by_survey_close_date
- learner_survey_types
- learner_show_completed_surveys
- learner_load_instructor_images
- learner_lms_identifier
- learner_provider_identifier

Parameters for lecturers/lecturers

- order_by_survey_close_date
- instructor_survey_types
- instructor_show_past_surveys_for_n_previous_periods
- instructor_survey_data_access_for_n_previous_periods
- instructor_show_report
- instructor_show_export
- instructor_Plug in_response
- instructor_lms_identifier

Special parameters for students/learners

order_by_survey_close_date = 0 or 1

Defines whether the surveys are sorted alphabetically (0) or by end date (1) in student and lecturer view.

learner_survey_types = Separated by pipe characters "o" , "h"

Defines what types of surveys are displayed: "o" stands for "Online Surveys", "h" stands for Hybrid Surveys

Default value: o|h

learner_show_completed_surveys = 0 or 1

Defines whether only open surveys are displayed for the student/learner (0) or already completed surveys (1)

Default value 0 (open surveys only)

learner_load_instructor_images = 0 or 1

Defines the ability to display the lecturer/lecturer image from evasys in the INSTRUCTOR_IMAGE, SECONDARY_INSTRUCTOR_IMAGES placeholder. (1) sets the placeholder LOAD_INSTRUCTOR_IMAGE.

Default value: (0)

learner_lms_identifier = Any parameter from the LTI® query (e.g. "ext_user_username")

Defines which parameter should be used as user ID instead of the email address from the LTI® query: Use parameters when the participant's email address in evasys differs from the email address in the LMS.

Default value= "" (The email address is taken as the ID)

learner_provider_identifier = "custom1", "custom2", "custom3"

Defines which participant additional field in evasys should be used for the participant ID instead of the email address (for example, if the LMS username is to be used instead of the email as ID, this value must be imported via an additional field)

Default value= "" (The email address is taken as the ID)

Special parameters for lecturers

order_by_survey_close_date = 0 or 1

Defines whether the surveys are sorted alphabetically (0) or by end date (1) in student and lecturer view.

instructor_survey_types = Separated by pipe characters "o", "h", "p"

Defines what types of surveys are displayed: "o" stands for "Online Surveys", "h" stands for hybrid surveys, "p" for paper-based surveys

Default value: o|h|p

`instructor_show_past_surveys_for_n_previous_periods = 0 to X`

Defines whether only polls of the current period are displayed (0), or previous periods are also displayed.

Default value = 0 (only current period is displayed) "X" indicates the number of previous periods (X is a positive integer)

`instructor_survey_data_access_for_n_previous_periods = 0 to X`

Defines whether information about the polls is only displayed for the current period (0), or whether previous periods also appear.

Default value = 0 (only for current period is displayed) "X" indicates the number of previous periods (X is a positive integer)

`instructor_show_report = 0 or 1`

Defines whether PDF reports from the survey list can be opened in the lecturer/lecturer view.

Default value = 0 (no report access)

Attention: If this function is activated, this may increase the load on the evasys server and affect the performance.

`instructor_show_export= 0 or 1`

Defines whether raw data for closed surveys from the survey list can be opened in the lecturer/lecturer view.

Default value = 0 (no export access)

Attention: If this function is activated, this may increase the load on the evasys server and affect the performance.

`instructor_Plug-in_response = [Plug-in Name] (e.g. BringYourOwnDevice)`

Defines whether the survey list in the lecturer view should be replaced by a plug-in. All plug-ins that are available for the lecturer/teacher user role in evasys can be displayed in the LMS. The lecturer is automatically logged in and the standard interface of the lecturer is replaced by that of the stored plug-in. In the example below, you can see the "Bring your own device" plugin displayed in Moodle:



The screenshot shows a Moodle course page titled "Environmental Design". The navigation bar includes "MOD" and "English (en)". The main content area displays a survey titled "Bring Your Own Device". A message indicates that following surveys are available, with a note to use the blue arrow icon for full-screen display. A table lists the surveys:

Survey	Period	Creation date
Firewalls and Access Control Lists	Summer18	2018-04-05
Interior Design	Summer18	2018-04-05
Managing and Maintaining a Healthy Lifestyle	Summer18	2018-04-05
Psychology 101	Summer18	2018-04-05
Security Essentials	Summer18	2018-04-05
Windows Server 2005-Yukon	Summer18	2018-04-05

Figure: Plug-in "Bring your own device" in Moodle

Please note that the plug-in used replaces the normal survey list of lecturers and does not complement it.

instructor_lms_identifier = Any parameter from the LTI® query (e.g. "ext_user_username")
 Defines which parameter should be used as user ID instead of the email address from the LTI® query: Use parameters if the email address of the lecturer in evasys differs from the email address in the LMS.

Please note that if you use this parameter, it will be checked against the external ID of the lecturer in evasys. Therefore, the use of the external ID must be enabled in evasys.

Default value= "" (The email address is taken as the ID.)

Linking surveys between Moodle and evasys

The link between student Moodle users and evasys online survey participants is established either via the data field "E-mail address" or via an evasys user data field, which must contain the Moodle user name.

After the students have logged in to Moodle, the e-mail address or username will be transferred to evasys. evasys then checks whether there are open online surveys for courses in which the e-mail address or username of the student as a participant has been imported.

For this reason, it is very important to import the participant data of courses into evasys before creating the actual online surveys!

Participant data can be imported using a simple CSV file format. If the **email address** is used as an identifier, the CSV format for anonymous surveys only needs to contain the course ID followed by the email address.

Sample format

```
MA05Wiw2;person01@example.com  
MA05Wiw2;person02@example.com  
MA05Wiw2;person03@example.com  
MA05Con;person01@example.com  
MA05Con;person03@example.com  
MA05Con;person04@example.com
```

This example shows two courses with three participants each. Some participants attend both courses, but the others only attend one at a time.

If the **username** is used as an identifier, the CSV format must also contain the Moodle username. This is imported into one of the first three possible user data fields. Of course, other information such as first and last name, salutation, etc. can be imported.

Sample format

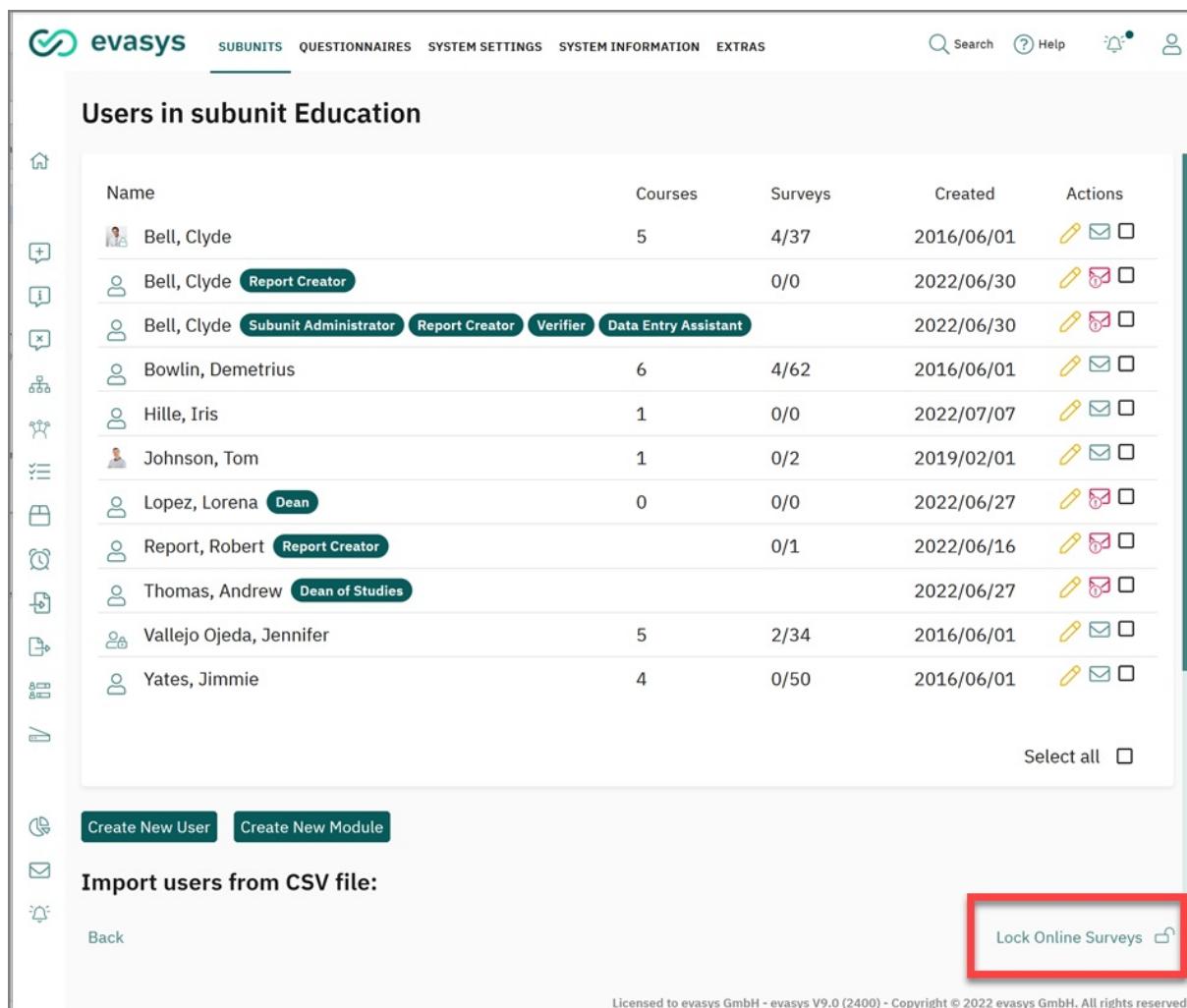
```
MA05Wiw2; person01@example.com;;;; person01_Nutzername  
MA05Wiw2;person02@example.com;;;; person02_Nutzername  
MA05Wiw2;person03@example.com;;;; person03_Nutzername  
MA05Con;person01@example.com;;;; person01_Nutzername  
MA05Con;person03@example.com;;;; person03_Nutzername  
MA05Con;person04@example.com;;;; person04_Nutzername
```

Please note: If you import other information such as the user name via a user data field in addition to the course ID and the e-mail address, the corresponding course will automatically be treated as non-anonymous, i.e. the raw data of the surveys will later contain an assignment of data record and participants.

If you want to get around this, create a "dummy" course in your evasys system, which is used exclusively to record all participant data of your students. If you then import the e-mail addresses of the participants for the "real" courses, the system checks in the background when communicating with Moodle whether there are surveys for the username that belongs to this e-mail address. The courses thus remain anonymous.

Before importing participant data, sub-areas, lecturers and courses must first be created. The course IDs of the respective courses must match those in the import format.

Further detailed information on the topic of "data import" can be found in the evasys user manual.



The screenshot shows the evasys software interface with the following details:

- Header:** evasys, SUBUNITS, QUESTIONNAIRES, SYSTEM SETTINGS, SYSTEM INFORMATION, EXTRAS, Search, Help, User icon.
- Section Title:** Users in subunit Education
- Table:** A list of users with the following columns: Name, Courses, Surveys, Created, and Actions. The table includes rows for Bell, Clyde; Bowlin, Demetrius; Hille, Iris; Johnson, Tom; Lopez, Lorena; Report, Robert; Thomas, Andrew; Vallejo Ojeda, Jennifer; and Yates, Jimmie.
- Actions Column:** Contains icons for edit, delete, and other user management.
- Bottom Buttons:** Create New User, Create New Module, Import users from CSV file, Back, Lock Online Surveys (button highlighted with a red box).
- Page Footer:** Licensed to evasys GmbH - evasys V9.0 (2400) - Copyright © 2022 evasys GmbH. All rights reserved.

Figure: Opening and closing surveys in evasys

Existing online surveys will not be displayed in Moodle if they are configured as "closed" in evasys. You can close or open the surveys individually, but also for an entire subsection (for the current period). This setting allows you to configure which online surveys should be displayed in Moodle.

Alternatively, you can use the scheduled tasks (Timing feature) to determine the survey period. If the time control is configured, the online surveys will only be displayed when the start date has been reached. Please note the switch "Prevent premature display of surveys in LMS", which you can find under "Settings / Surveys online". When the end date is reached, the surveys are automatically hidden.

Further information on the topic of "time control" can be found in the evasys user manual.

Support Inquiries

If you have problems setting up or displaying the Moodle plug-in for evasys, please check the following points first:

- Using the current patch release for your evasys system
- Using the current Moodle plug-in for evasys
- If applicable, use of the current Moodle version

In order to be able to help you as effectively as possible in the event of problems, our colleagues from the support department need various log files. Before contacting evasys GmbH support, please complete the following steps and then send the log files below to our colleagues in support.

- Activate the "Debug Mode" in your evasys system (for more information on this, please refer to the evasys Administrator Handbook).
- Activate the "Debug Mode" in the Moodle Plug-in Settings (Expert Settings).
- Perform a trial log-in with a student account for which online surveys are available in evasys.
- Copy the error message or, if possible, take a screenshot of the error.
- Deactivate the "Debug Mode" in the evasys system and in the Moodle block.

The following log files from the evasys server should be sent when you contact evasys GmbH support:

- .\Program Files (x86)\evasys GmbH\PHP\phperror.log or .\Program Files\evsys GmbH\PHP\phperror.log
- .\inetpub\wwwroot\evsys\data\log\