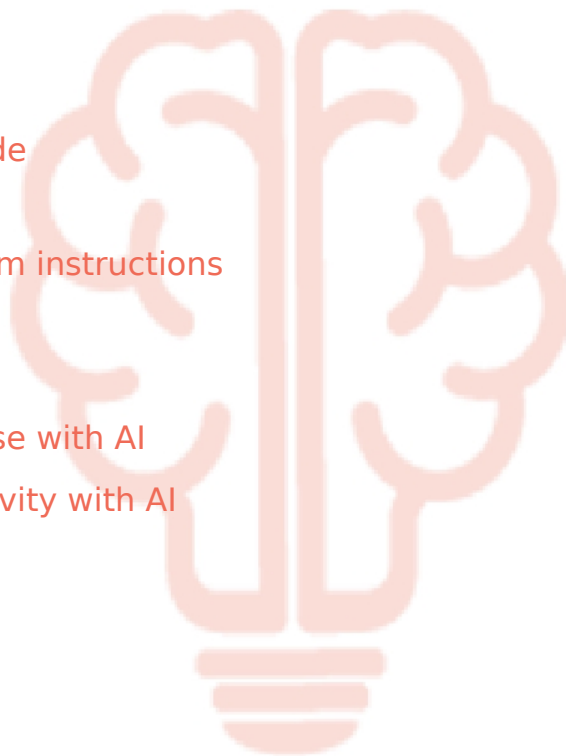


# Course Creator AI

The **Course Creator AI** plugin is an advanced tool for Moodle that allows administrators and teachers to generate complete courses and specific activities using Artificial Intelligence.

## Contents

- [Overview](#)
- [Prerequisites](#)
- [Installation](#)
- [Administrator guide](#)
  - [Overview](#)
  - [Manage system instructions](#)
- [Teacher guide](#)
  - [Overview](#)
  - [Create a course with AI](#)
  - [Create an activity with AI](#)
- [Permissions](#)
- [Prompts Guide](#)



# Overview

The **Course Creator AI** plugin helps teachers build full Moodle courses and standalone activities with the help of Datacurso AI services.

It works together with the **Datacurso AI Provider**, which supplies the license key, credit usage controls, and shared AI context used across the Datacurso plugin suite. Once both plugins are installed, Course Creator AI appears inside Moodle's native course creation form and provides an optional AI-driven assistant to plan, review, and populate course content.

Teachers can define the course intent through a prompt or a syllabus PDF, ask the AI to propose a structured plan, adjust the outline, and finally create the course or individual activities with AI-generated descriptions, instructions, and (optionally) images.

Administrators and instructional designers can rely on Course Creator AI to:

- Accelerate new course creation by transforming prompts or existing syllabi into Moodle-ready content.
- Reuse the same Datacurso context when generating additional activities inside the course.
- Enforce consistent tone, structure, and pedagogical rules through reusable system instructions.
- Keep credit consumption governed by the limits and reports managed from the Datacurso AI Provider.

## What does Course Creator AI enable inside Moodle?

After installation, teachers see new AI options embedded in familiar Moodle workflows:

- **AI-assisted course creation**  
When creating a new course, the **Datacurso** section lets teachers define

the intent and launch the **Create with AI** modal. The AI plans every section, topic, activity, and resource before populating the course shell automatically.

- **AI-assisted activity creation**

Inside an existing course, the plugin adds an **Add activity or resource with AI** button. It reuses the saved Datacurso context to generate single activities without retyping prompts.

Both flows stay inside Moodle and show real-time progress, so teachers can review the generated content immediately.

## How the Datacurso context works

The **Datacurso** section in the course form defines how the AI should interpret each request:

- **Context type** – Choose **Custom prompt** to describe the desired course manually, or **Upload Syllabus (PDF)** to send an existing outline. The chosen context is stored per course.
- **Context details** – Provide the detailed prompt or upload the PDF that contains objectives, units, constraints, and student profile information.
- **System instructions** – Optionally apply a reusable instruction (managed in [Manage system instructions](#)) to enforce tone, structure, required elements, or institutional guidelines.

Once saved, the same context is reused automatically for course planning, plan adjustments, and any AI-generated activities created later.

## Additional AI controls available in the form

Teachers can further guide the AI response with two extra options:

- **AI response language** – Select the target language for the generated course and activities. The language preference is stored and reused in every AI interaction for that course.
- **Images for the course** – Decide if the AI should generate images for sections and activities. Because each image consumes additional credits, administrators can keep this disabled by default and only enable it when needed.

These options keep the generated content aligned with institutional branding and accessibility requirements.

## Planning, adjustments, and creation flow

The Course Creator AI experience is divided into two main phases:

1. **Plan with AI** – Clicking **Create with AI** opens a modal that shows every planning step (context analysis, outline creation, activity design, etc.). If the proposal needs changes, the **Adjust course planning** option lets teachers send extra instructions and re-run the planning phase.
2. **Accept and create course** – Once the plan looks correct, teachers confirm and the plugin creates the course automatically, displaying progress updates until the new course is ready. The user is then redirected to the fully populated course to make any manual edits.

The same modal is used later when creating standalone activities with AI, so the workflow remains consistent.

## Consumption control and governance

All AI text and image generations consume credits from the **Datacurso AI Provider** license key. The provider also enforces the governance features that apply to Course Creator AI:

- **Global credit usage dashboards** inside Moodle reports.
- **Per-plugin rate limits** to control how many credits each user can consume with Course Creator AI within a time window.
- **Per-user credit limits** for custom quotas per teacher or instructional designer.

Because Course Creator AI shares the Datacurso AI Provider backend, it inherits the same visibility, limits, and audit trails documented in the provider section.

## Requirements

To run Course Creator AI you need:

- **Moodle 4.5 or later.**
- The **Datacurso AI Provider** plugin installed and licensed (see [Prerequisites](#)).
- Appropriate permissions for teachers to access the course creation form and manage activities.

Without the provider plugin or a valid license key, the AI options will appear but cannot process any requests.

## Tutorials and guides

- [Create a course with AI](#) - Detailed walkthrough of the planning and creation flow.
- [Create an activity with AI](#) - Instructions to reuse the saved context inside the course and generate individual activities.
- [Manage system instructions](#) - Configure reusable guidance that every course or activity can inherit.

# Pre-requisites

Before installing and configuring the **Course Creator AI**, make sure the following requirements are met.

1. Moodle 4.5 or later
2. Install the Moodle AI provider **DataCurso AI Provider**. Download it for free from [https://moodle.org/plugins/aiprovider\\_datacurso/versions](https://moodle.org/plugins/aiprovider_datacurso/versions).
3. In the DataCurso AI Provider settings, configure a valid license key as documented at [Getting license keys](#).

## WARNING

This plugin will not function unless the **DataCurso AI Provider** plugin is installed and licensed. More information about the DataCurso AI Provider can be found at [Overview](#).

# Installation

## Installing via uploaded ZIP file

1. Log in to your Moodle site as an admin and go to `Site administration > Plugins > Install plugins`.
2. Upload the ZIP file with the plugin code. You should only be prompted to add extra details if your plugin type is not automatically detected.
3. Check the plugin validation report and finish the installation.

## Installing manually

The plugin can be also installed by putting the contents of this directory to

```
{your/moodle/dirroot}/local/coursegen
```

Afterwards, log in to your Moodle site as an admin and go to `Site administration > Notifications` to complete the installation.

Alternatively, you can run

```
php admin/cli/upgrade.php
```

to complete the installation from the command line.

# Administrator Guide

Welcome to the **Administrator Guide** for Course Creator AI. This section is specifically designed for Moodle administrators who need to configure and manage the global settings of the plugin.

## Contents

- [Manage system instructions](#)

Use the sidebar to explore the specific topics.



# Manage system instructions

System instructions let you define reusable guidance that reinforces the selected context (`Syllabus` or `Custom prompt`) when creating a course. They describe how the AI should generate content: tone, structure, level of detail, constraints, and specific rules that must always be respected while producing sections, activities, and resources.

To manage system instructions:

1. Log in to your Moodle site as an admin and go to `Site administration > Plugins > Course Creator AI > Manage system instructions`.

## Local plugins

[Manage local plugins](#)

[Course Creator AI](#)

[Manage system instructions](#)

1. Click on `Add new system instruction` to create a new instruction.

[Local plugins](#) / [Course Creator AI](#) / [Manage system instructions](#)

## Manage system instructions

[General](#)

[Users](#)

[Courses](#)

[Grades](#)

[Plugins](#)

[Appearance](#)

[Server](#)

[Reports](#)

[Development](#)

[Add system instruction](#)

No system instructions found

2. Fill in the form fields:

- **Name:** Enter a clear name for the system instruction you will reuse across courses.
- **Description:** Provide detailed rules and guidelines the AI must follow when generating course content (e.g. structure of sections and activities, constraints, etc.).



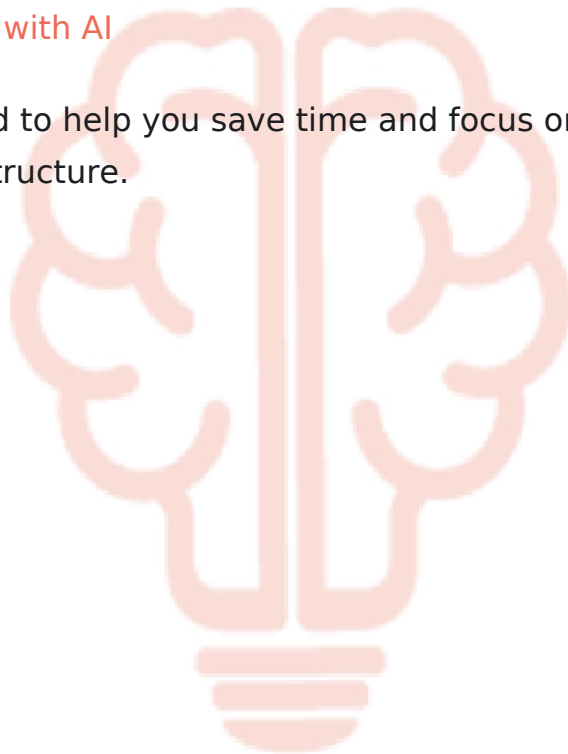
# Teacher Guide

Welcome to the **Teacher Guide** for Course Creator AI. This section provides step-by-step instructions for educators to leverage AI for course and activity creation.

## Contents

- [Create a course with AI](#)
- [Create an activity with AI](#)

Everything is designed to help you save time and focus on teaching while the AI assists with content structure.

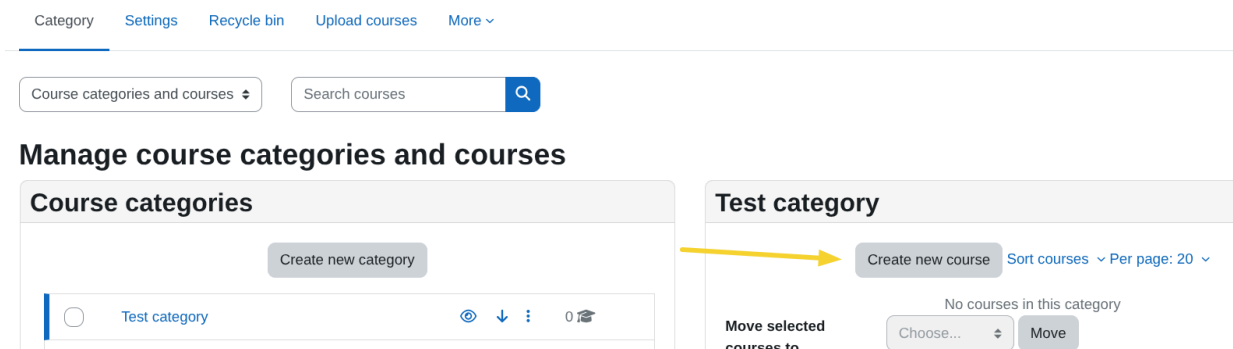


# Create a course with AI

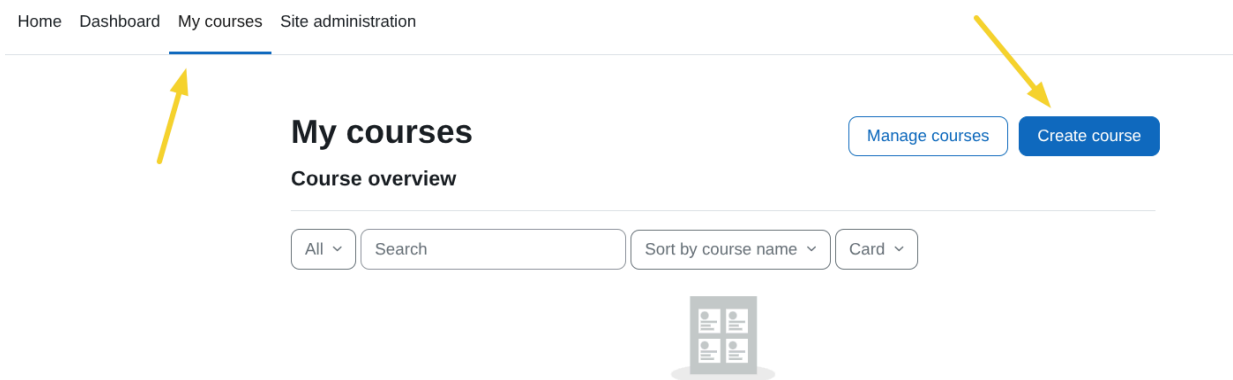
Follow these steps to create a new course using the Datacurso AI workflow:

## Open the course creation page

- **Path A:** Site administration > Courses > Manage courses and categories and click the **Create new course** button.



- **Path B:** From your **My courses** area, click the **Create course** button.



## Fill in basic course details

- Complete standard fields like **Course full name**, **Course short name**, **Course category**, **Course format**, and any other required fields.

[Expand all](#)

▼ **General**

Course full name ⓘ ⓘ

Course short name ⓘ ⓘ

Course category ⓘ ⓘ

Course visibility ⓘ

Course start date ⓘ

Course end date ⓘ  Enable

Course ID number ⓘ

# Configure the Datacurso section

The **Datacurso** section lets you define the context that the AI will use to understand the course you want to create, the language in which it should respond, and whether it should generate images. It is divided into five main configuration areas:

- **1. AI response language**
  - Use the **AI response language** selector to choose the language in which the AI will respond and generate the course content.
  - This value is saved per course and reused across AI interactions (planning, adjusting the plan, and course creation).

▼ **DataCurso**

AI response language



× English (en)

Search

Images for the course




Do not generate images

Context Type

Choose...

Use system instruction

Check to use a system instruction

 Create with AI

Save and display

Cancel

• **2. Images for the course**

- Use the **Images for the course** selector to decide whether the AI should generate images for sections, activities and other visual elements of the course.
- By default this is set to **Do not generate images**.
- **Important:** Enabling image generation may drastically increase the number of credits consumed in your Datacurso AI Provider license key, because each generated image uses additional credits.

▼ **DataCurso**

AI response language



× English (en)

Search

Images for the course



Do not generate images




Context Type

Choose...

Use system instruction

Check to use a system instruction

 Create with AI

Save and display

Cancel

• **3. Context type**

- Use the **Context Type** selector to choose how you will provide the main context for the course:
  - **Custom prompt:** You describe the course context manually.
  - **Upload Syllabus (PDF):** You provide an existing syllabus document.

▼ **DataCurso**

AI response language ? × English (en)  
Search ▼

Images for the course ? Do not generate images ⇅

Context Type ? Choose... ⇅  
Choose...  
Custom prompt  
Syllabus

Use system instruction

🚫 Create with AI Save and display Cancel

#### • 4. Context details

- **If you choose Custom prompt**
  - A textarea labeled **Prompt for AI** appears.
  - Enter a clear and detailed prompt that describes how you want the course to be generated (objectives, student profile, content, level, constraints, examples, etc.).

▼ DataCurso



AI response language ? × English (en)  
Search ▼

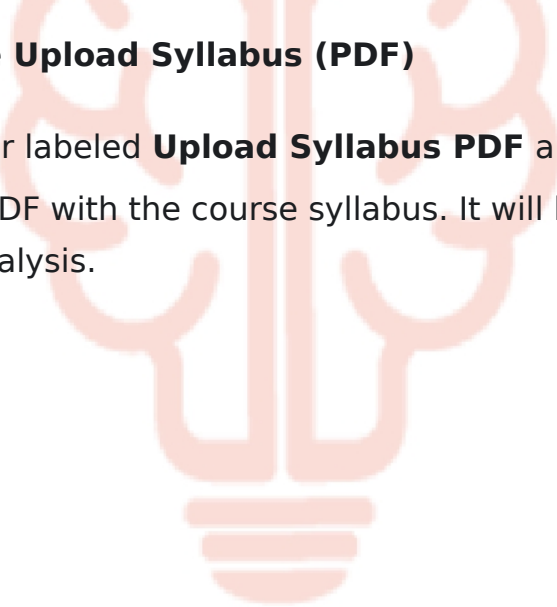
Images for the course ? Do not generate images ⇅

Context Type Custom prompt ⇅

Prompt for AI ?

Use system instruction  Check to use a system instruction ?



◦ **If you choose Upload Syllabus (PDF)**

- A file picker labeled **Upload Syllabus PDF** appears.
- Upload a PDF with the course syllabus. It will be sent to the AI for context analysis.

▼ **DataCurso**

AI response language ? × English (en)  
Search ▼

Images for the course ? Do not generate images ▾

Context Type ? Syllabus ←

Upload Syllabus PDF ? Choose a file...  
↓  
You can drag and drop files here to add them.  
Accepted file types:  
PDF document .pdf

Use system instruction  Check to use a system instruction ?

🔧 Create with AI Save and display Cancel

## • 5. Optional system instructions (for any context type)

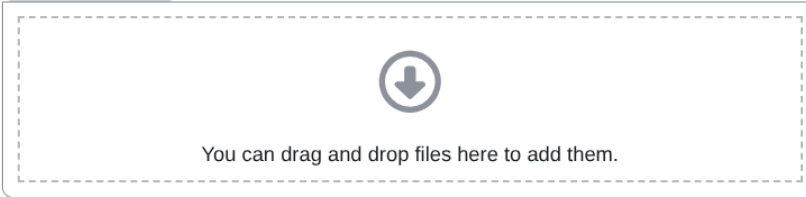
- You can reinforce **either** context type ( Custom prompt or Syllabus ) with a reusable system instruction.
- Tick the checkbox **Check to use a system instruction** to enable this feature.
- If there are system instructions configured (see [Manage system instructions](#)):
  - A selector labeled **System instruction to apply** appears with the available options.
  - The selected system instruction will be applied together with the chosen context (prompt or syllabus) when generating the course.
- If there are no system instructions configured:
  - A notice is shown with a link to the **Manage system instructions** page so you can create them.

▼ **DataCurso**

AI response language ? × English (en)  
Search ▼

Images for the course ? Do not generate images ▾



Context Type Syllabus ▾

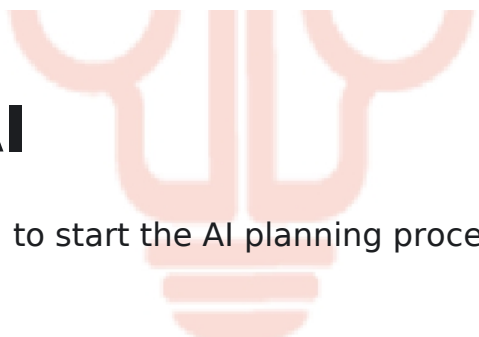
Upload Syllabus PDF ? Choose a file...  


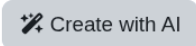
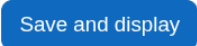

Accepted file types:  
PDF document .pdf

Use system instruction  Check to use a system instruction ?

System instruction to apply ? Strict Syllabus Format ▾



## Plan with AI

- Click **Create with AI** to start the AI planning process.

▼ **DataCurso**  
 Context Type:

Upload Syllabus PDF ?

Accepted file types:  
PDF document .pdf

Activate to use a system instruction ?

System instruction to apply ?

- A modal window will open and display the planning progress.

**Create course with AI** ✕

🔄 **Planning course creation**  
Generating course content...

**Unit 1: Foundations of Digital Leadership and Digital Culture**

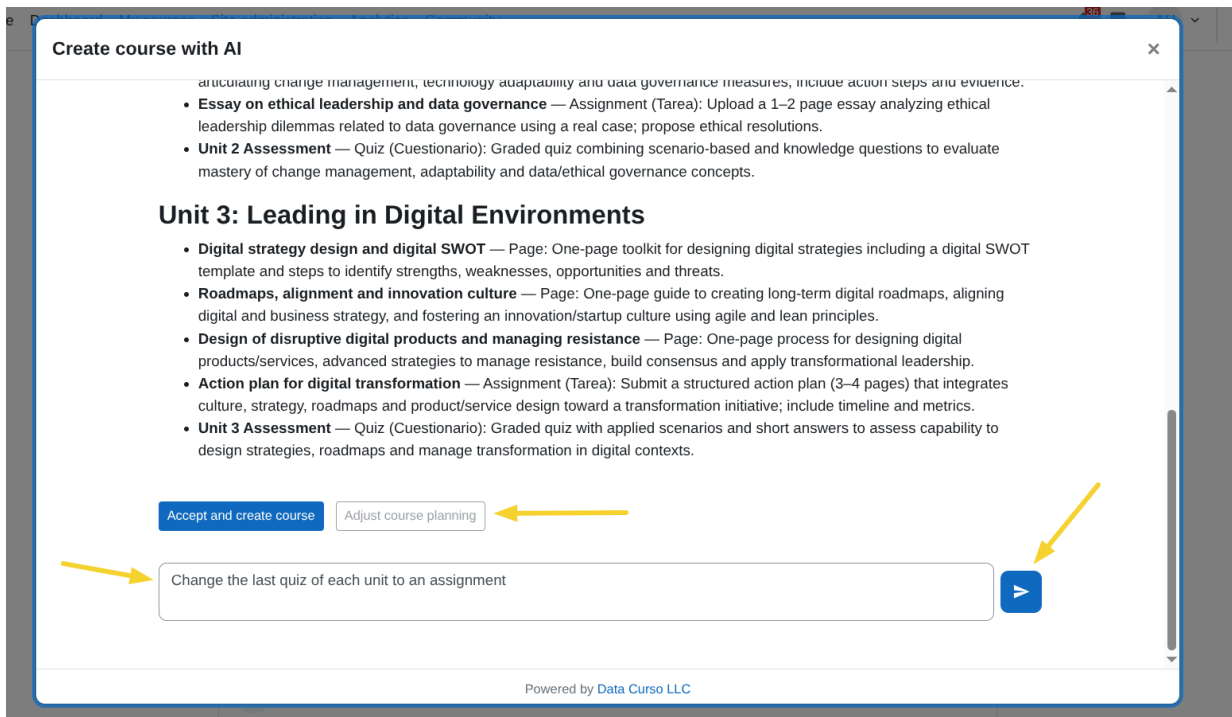
- **The digital leader: skills and competencies** — Page: One-page guide describing strategic vision, critical thinking, effective communication, change management and emotional intelligence; read and record three competence gaps to address.
- **Digital culture and its impact on organizations** — Page: One-page analysis of how digital culture drives innovation and transformation and the pillars of collaboration, innovation and continuous learning; extract three organizational implications.
- **Cases of success and failure focused on digital culture** — Page: One-page curated case set with guided reflection questions; select one case and note key lessons and actions.
- **Case study deliverable** — Assignment (Tarea): Submit a 2–3 page case analysis applying unit concepts, including diagnosis and recommended actions; individual or team upload.
- **Literature review deliverable** — Assignment (Tarea): Upload a 1–2 page literature synthesis on digital culture and organizational impact citing at least three sources.
- **Concept map of digital leadership** — Assignment (Tarea): Upload a one-page concept map (PDF/image) that visualizes core elements and relationships of digital leadership for an organization.
- **Unit 1 Assessment** — Quiz (Cuestionario): Graded quiz with multiple-choice and short-answer items to assess understanding and application of leadership and digital culture topics.

**Unit 2: Change Management and Adaptation to Technology**

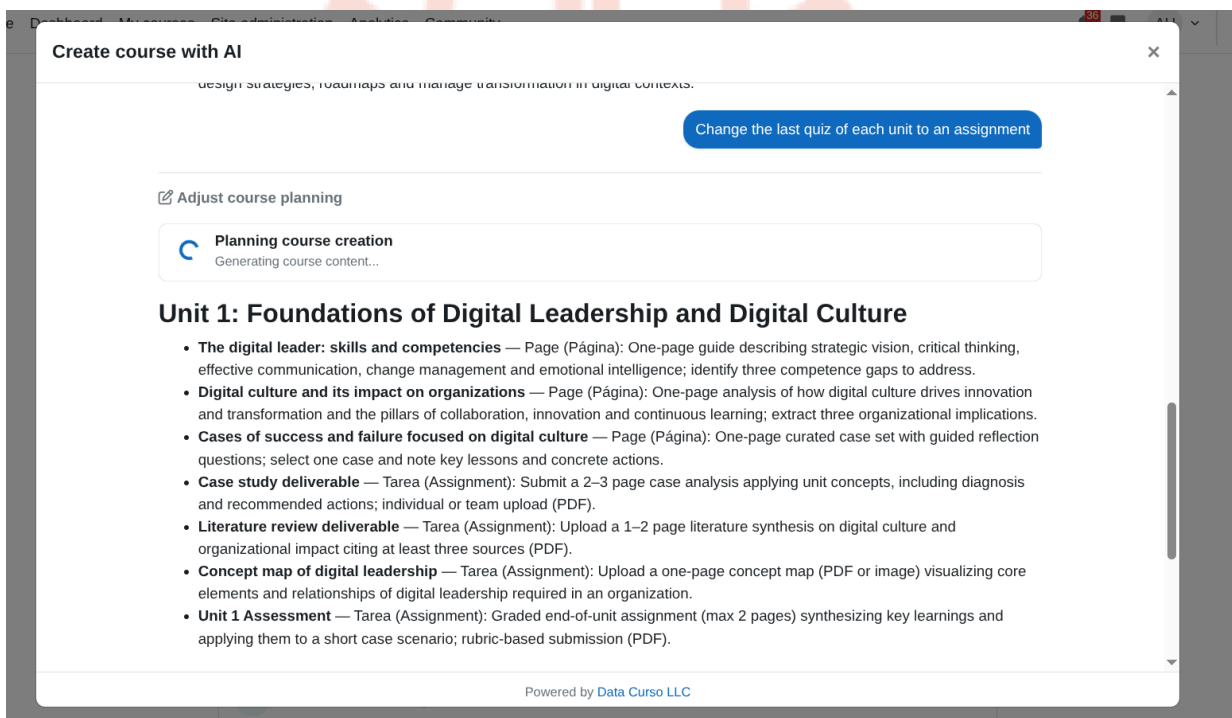
- **Change management**

Powered by [Data Curso LLC](#)

- Once the plan is generated, you can optionally adjust it by clicking **Adjust course planning**, then provide a prompt with your instructions to re-plan.

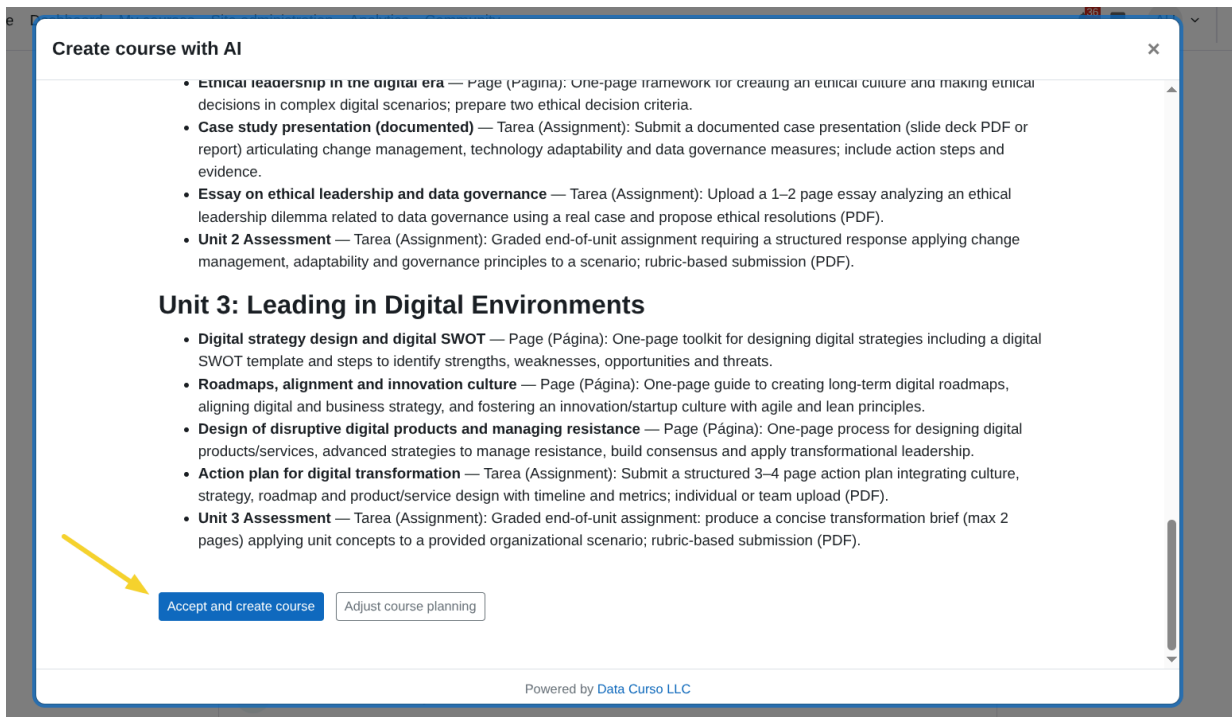


- The progress of the plan adjustment will be displayed in the modal window.

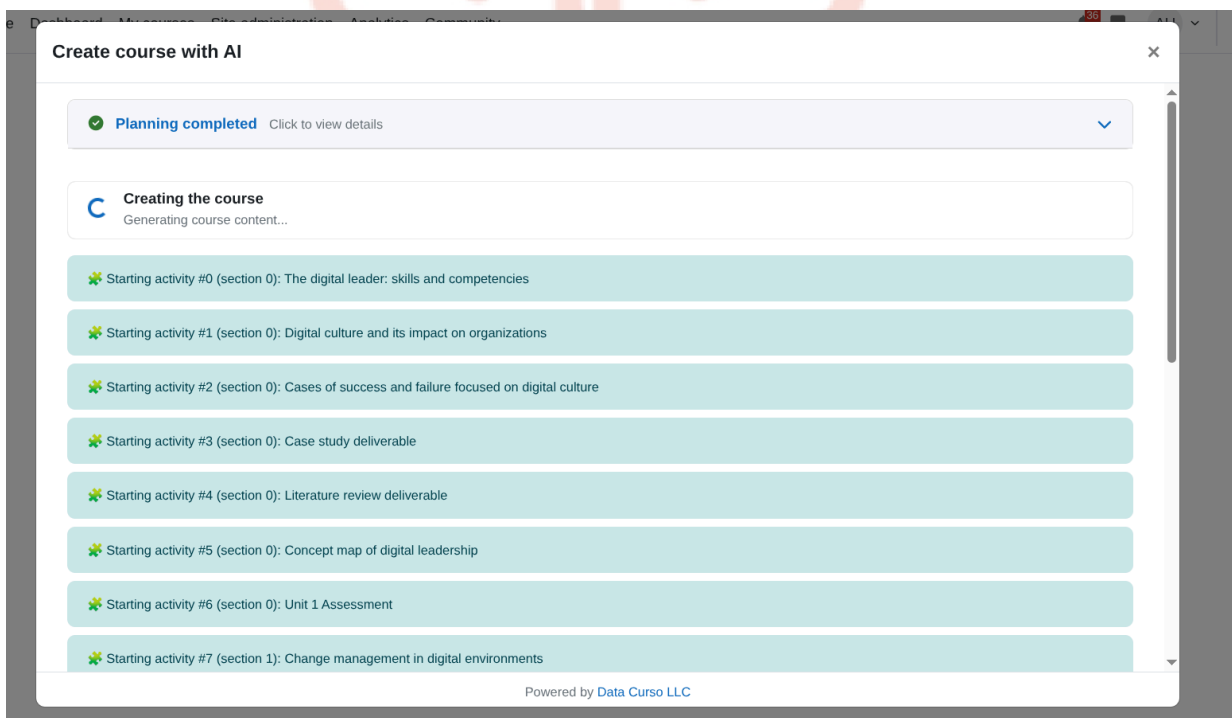


## Create the course

- When the planning looks good, click **Accept and create course**.







- This starts creating the course with planned content.
- The modal will show real-time updates for each phase of the process.



- Once the process is completed, it redirects to the created course.

## Digital Marketing and Business

Bulk actions [Course](#) [Settings](#) [Participants](#) [Grades](#) [Reports](#) [More](#)  **Unit 1: Foundations of Digital Leadership and Digital Culture**  [Collapse all](#)  [The Digital Leader: Skills and Competencies](#)  

This one-page guide summarizes core competencies for digital leaders aligned with the course focus on change management, digital culture, and strategic leadership. Use it as a quick reference to develop strategic vision, critical thinking, effective communication, change management capabilities, and emotional intelligence in organizational contexts.

 [Digital Culture: Driving Innovation and Organizational Transformation](#)  

This concise one-page analysis describes how a strong digital culture accelerates innovation and organizational transformation. It highlights the three pillars—collaboration, innovation, and continuous learning—and presents three clear organizational implications with recommended actions leaders can adopt.

 [Cases of Success and Failure: Digital Culture](#)  

Purpose: Provide a concise, one-page curated set of business cases focused on digital culture (successes and

 **WARNING**

Do not close the modal window during the planning or creation process to avoid issues with course creation.

# Create an Activity with AI

## Check the Datacurso context

Before using the AI activity creator, confirm that the course already has a **Datacurso context** defined.

If the course **already has a context** (for example, an *Instructional Model* or an *uploaded Syllabus PDF*), the AI will automatically use it to generate the activity.

If the course **does not have a context yet**, you can set it from the course settings:

1. Open the course and click **Edit settings**.

### MARKETING Y NEGOCIOS DIGITALES

Course **Settings** Participants Grades Reports More ▾

### Edit course settings

[Expand all](#)

#### ▼ General

3. Go to the **Datacurso** section. The following options will be displayed:

- **1. Context type**
  - Use the **Context Type** selector to choose how you will provide the main context for the course:
    - **Custom prompt:** You describe the course context manually.
    - **Upload Syllabus (PDF):** You provide an existing syllabus document.

**DataCurso**

AI response language ? x English (en)

Search ▼

Images for the course ? Do not generate images ⇅

Context Type ? Choose... ⇅

Choose...

Custom prompt

Syllabus

Use system instruction ?

✂ Create with AI
Save and display
Cancel

## • 2. Context details

### ◦ If you choose Custom prompt

- A textarea labeled **Prompt for AI** appears.
- Enter a clear and detailed prompt that describes how you want the course to be generated (objectives, student profile, content, level, constraints, examples, etc.).

**DataCurso**

AI response language ? x English (en)

Search ▼

Images for the course ? Do not generate images ⇅

Context Type ? Custom prompt ⇅ ←

Prompt for AI ?

→

Use system instruction ?  Check to use a system instruction

✂ Create with AI
Save and display
Cancel


### ◦ If you choose Upload Syllabus (PDF)


- A file picker labeled **Upload Syllabus PDF** appears.
- Upload a PDF with the course syllabus. It will be sent to the AI for context analysis.


**DataCurso**

AI response language ? × English (en)

Images for the course ? Do not generate images

Context Type ? Syllabus 

Upload Syllabus PDF ? Choose a file...  


  
 You can drag and drop files here to add them.

Accepted file types:  
PDF document .pdf

Use system instruction  Check to use a system instruction ?

🔧 Create with AI Save and display Cancel

Once the Datacurso context is set at the course level, it will be automatically reused for all AI-generated activities within that course.

## Start the activity creation

- Enter to the course view and turn the **Edit mode** on.



**Digital Marketing and Business** Bulk actions

Course Settings Participants Grades Reports More

Unit 1: Foundations of Digital Leadership and Digital Culture Collapse all

The Digital Leader: Skills and Competencies

This one-page guide summarizes core competencies for digital leaders aligned with the course focus on change management, digital culture, and strategic leadership. Use it as a quick reference to develop strategic vision, critical thinking, effective communication, change management capabilities, and emotional intelligence in organizational contexts.

- Next to the standard **Add activity or resource** button, click the new button **Add activity or resource with AI**.



**Digital Marketing and Business** Bulk actions

Course Settings Participants Grades Reports More

Unit 1: Foundations of Digital Leadership and Digital Culture Expand all

+ +\* **Add activity or resource with AI**

The Digital Leader: Skills and Competencies

This one-page guide summarizes core competencies for digital leaders aligned with the course focus on change management, digital culture, and strategic leadership. Use it as a quick reference to develop strategic vision, critical thinking, effective communication, change management capabilities, and emotional intelligence in organizational contexts.

## Provide the activity prompt

- A modal window with a chat input will open. Enter a clear prompt describing the activity you want to create (e.g., type of activity, learning objectives, instructions, etc.).

Create resource/activity with AI

Hi! Tell me what resource or activity you need and I will create it in your course. 😊

Do not generate images  Generate images

Create a welcome forum for Unit 1

Powered by Data Curso LLC

## Optional: Images in the activity

- Use the combobox to choose whether the activity should include images. By default this is set to **No not generate images**.

Create resource/activity with AI

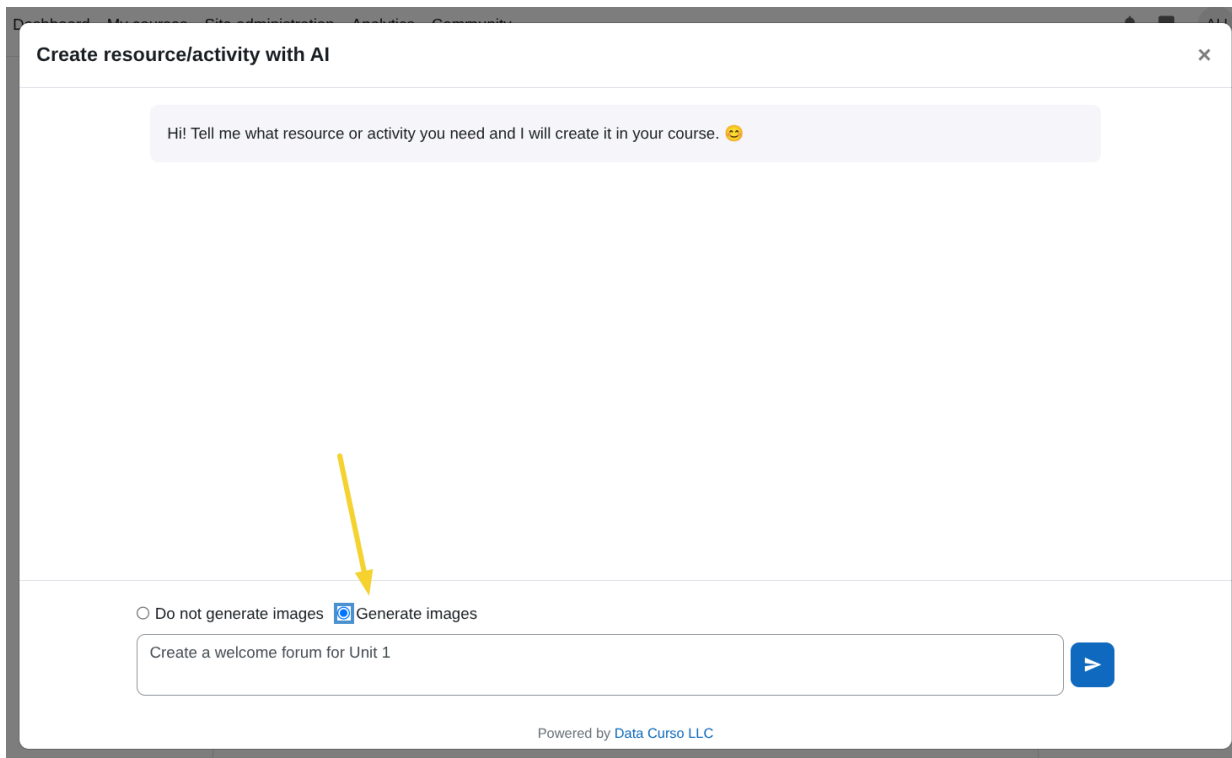
Hi! Tell me what resource or activity you need and I will create it in your course. 😊

Do not generate images  Generate images

Create a welcome forum for Unit 1

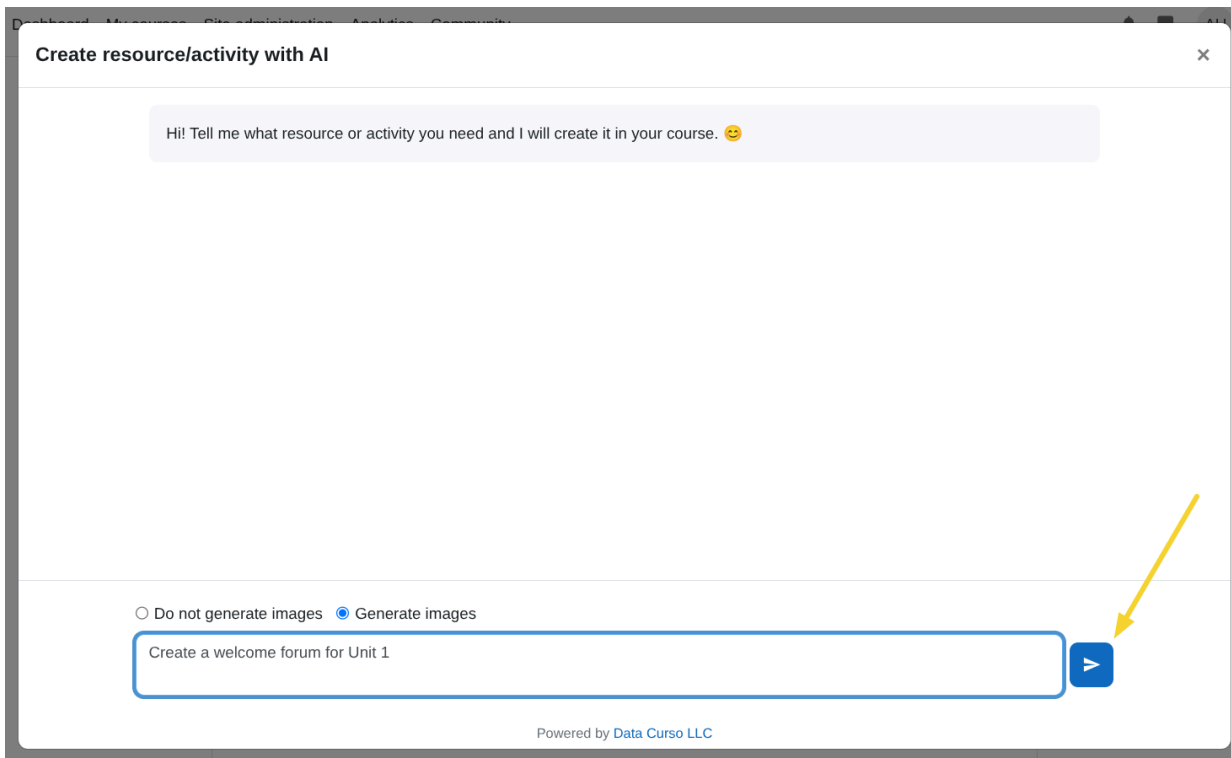
Powered by Data Curso LLC

- If you want to generate images, select **Generate images**.

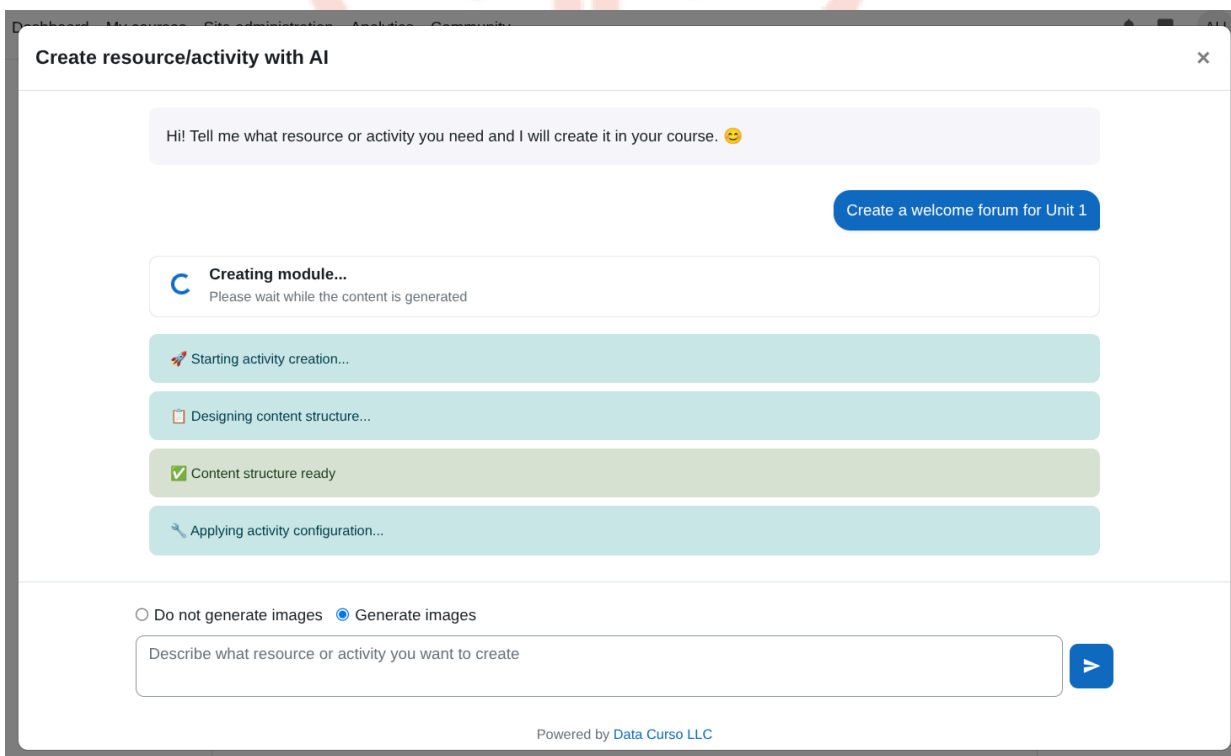


## Start creation

- Press **Enter** in the text field or click the **Send** icon button to begin creating the activity with AI.



- The modal will display real-time progress updates for each phase of the process.



- Once the process is completed, it redirects to the created activity.

Digital Marketing and Business / Unit 1: Foundations of Digital Leadership and Digital Culture  
/ Unit 1 Welcome Forum: Digital Leadership & Digital Culture



FORUM

## Unit 1 Welcome Forum: Digital Leadership & Digital Culture

[Forum](#) [Settings](#) [Advanced grading](#) [Subscriptions](#) [Reports](#) [More](#) ▾

Welcome to Unit 1: Foundations of Digital Leadership and Digital Culture. This forum is your space to introduce yourselves, review the course methodology and evaluation agreements, and complete the unit diagnostic that will prepare us for synchronous sessions. Please read the Unit 1 overview and the weekly plan, then participate as described below.



### **WARNING**

Do not close the modal window until the process has fully completed to avoid issues with activity creation.

# Course Creator AI plugin permissions

The following table summarises the main permissions used by the **Course Creator AI** plugin and their default role assignments.

Name	Description	Default roles
<code>local/coursegen:view_syllabus</code>	View and download the syllabus file used by the AI in the course configuration.	Manager, Editing teacher
<code>local/coursegen:managesysteminstructions</code>	Manage system instructions (create, edit, delete base AI prompts).	Manager
<code>local/coursegen:createcoursewithai</code>	Create complete courses using AI.	Manager
<code>local/coursegen:createactivitywithai</code>	Create activities within a course using AI.	Manager, Editing teacher

## local/coursegen:view\_syllabus

Allows users to view and download the **syllabus file** uploaded in the course configuration.

With this permission, a user can:

- View the uploaded syllabus PDF.
- Download the syllabus used by the AI as course context.

▼ **DataCurso**

AI response language ? × English (en)  
Search

Images for the course ? Do not generate images ⇅

Context Type Syllabus ⇅

Upload Syllabus PDF ? Choose a file...  
[Digital Marketing and Business.pdf](#)

Accepted file types:  
PDF document .pdf

Use system instruction  Check to use a system instruction ?

Save and display Cancel

## local/coursegen:managesysteminstructions

Allows users to manage the **system instructions** (base AI prompts).

Users with this permission can:

- Create new system instructions.
- Edit existing instructions.
- Delete instructions.
- Access the system instructions management page.

This permission is intended primarily for administrative roles within the platform.

## Local plugins

[Manage local plugins](#)

[Course Creator AI](#)

[Manage system instructions](#)

# local/coursegen:createcoursewithai

Allows users to see the **Create with AI** button to generate complete courses using AI.

Only users with this permission will be able to access and use this functionality.

**DataCurso**

Context Type

Upload Syllabus PDF

Accepted file types:  
PDF document .pdf

Activate to use a system instruction

System instruction to apply

# local/coursegen:createactivitywitha

## i

Allows users to see the **Add activity or resource with AI** button inside a course section.




With this permission, users can:

- Create activities or resources directly within a course section using AI.




## Digital Marketing and Business




[Bulk actions](#) 

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

 **Unit 1: Foundations of Digital Leadership and Digital Culture**  [Expand all](#) 

---

 [The Digital Leader: Skills and Competencies](#)  **Add activity or resource with AI** 

This one-page guide summarizes core competencies for digital leaders aligned with the course focus on change management, digital culture, and strategic leadership. Use it as a quick reference to develop strategic vision, critical thinking, effective communication, change management capabilities, and emotional intelligence in organizational contexts.



# Changelog

Centralized record of all changes made to the project across versions. This section provides a chronological overview of new features, improvements, bug fixes, and breaking changes introduced in each release.

Use this page to track the evolution of the project, understand what has changed between versions, and identify updates that may require configuration changes or code adjustments.

Each entry includes the version number, release date, and a summary of the modifications introduced in that version.



# Version 1.3.3

**Release date:** 2026-04-10T14:27:51Z

---

## Summary

This version includes improvements and updates focused on configuration flexibility, translation coverage, and clearer version history.

---

## Changes

### Compatibility

This version is compatible from Moodle 4.5 to Moodle 5.1.

### Added

- **Automated prompt-based course creation service:** Introduced a dedicated backend automation service to orchestrate end-to-end course creation from prompt context, covering planning, execution, result stages, and user enrolment when applicable.
- **Centralized result application service:** Added a reusable result service to apply remote AI course results in a structured and consistent way, improving maintainability across automation workflows.

### Changed

- **More resilient remote automation flow:** Improved planning stream handling, execute retries, and result polling to better tolerate transient

backend or network issues during automated course creation.

- **Completion enforcement support in module creation flow:** Extended module manager parameter handling to support manual completion enforcement during internal automation paths.
- **Version bump:** Updated the internal version to 2026041000 and the release version to 1.3.3 to reflect the latest delivery.

## Fixed

- **Static analysis and coding-style compliance:** Updated PHPDoc parameter annotations and long-line formatting in automation/privacy files to satisfy CI checks (PHPDoc Checker and Codechecker).
- **Language pack consistency cleanup:** Normalized language file formatting to maintain repository consistency and reduce unnecessary diffs.

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## Notes

- If you manage multiple Moodle environments, verify the configured DataCurso service URL matches your deployment (standard vs EU-hosted).
- After updating, confirm the plugin version is correctly reflected in Moodle's plugin overview.