Datacurso Forum AI
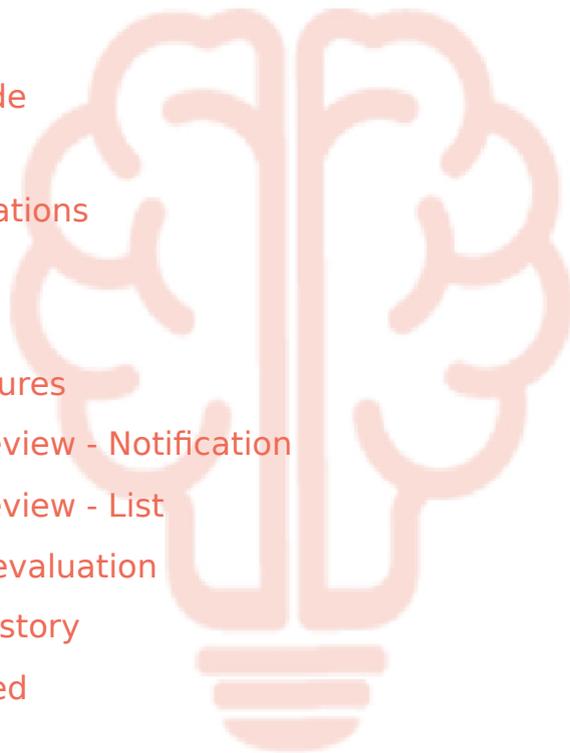
This documentation is split across multiple pages to keep the structure organized and easy to navigate.

Contents

Overview

The Forum AI plugin integrates artificial intelligence into Moodle forums to support teachers in feedback and assessment workflows.

Its main purpose is to analyze student posts and generate AI-assisted feedback that can be reviewed, edited, approved, and published by teachers or administrators. This helps maintain pedagogical quality while reducing response time in active forums.

When grading is enabled in the forum settings, Forum AI can also evaluate each post. In addition, it supports global forum grading with Moodle's standard methods:

- Direct grading.
- Rubric-based grading.
- Marking guide grading.

This combination allows institutions to use Forum AI as a pedagogical assistant (feedback without grading) or as a full assessment assistant (feedback plus grading), depending on the teaching strategy of each course.

Demo videos

Full forum evaluation with a marking guide

1. Forum AI - Evaluación del foro completo mediante una guía de eval...

Full forum evaluation with a rubric

2. Forum AI - Evaluación del foro completo mediante una rúbrica

Full forum evaluation with simple grading

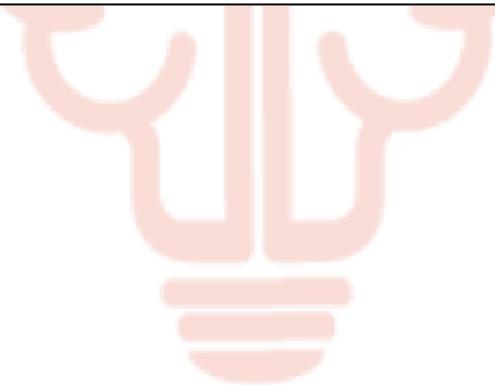3. Foro AI - Evaluación del foro completo utilizando la forma de calific…

Post-level grading enabled

4. Foro IA con la opción de calificaciones activada

# Pedagogical assistant with feedback only

5. Foros IA - Asistente pedagógico con retroalimentación sin calificar

Pre-requisites

1. Moodle **4.5** or later.

2. Install the Moodle AI provider **DataCurso AI Provider**. Download it from moodle.org/plugins/aiprovider_datacurso/versions.

3. In the DataCurso AI Provider settings, configure a valid license key as documented in Datacurso AI Provider - Getting license keys.

IMPORTANT: This plugin will not function unless the **DataCurso AI Provider** plugin is installed and licensed.
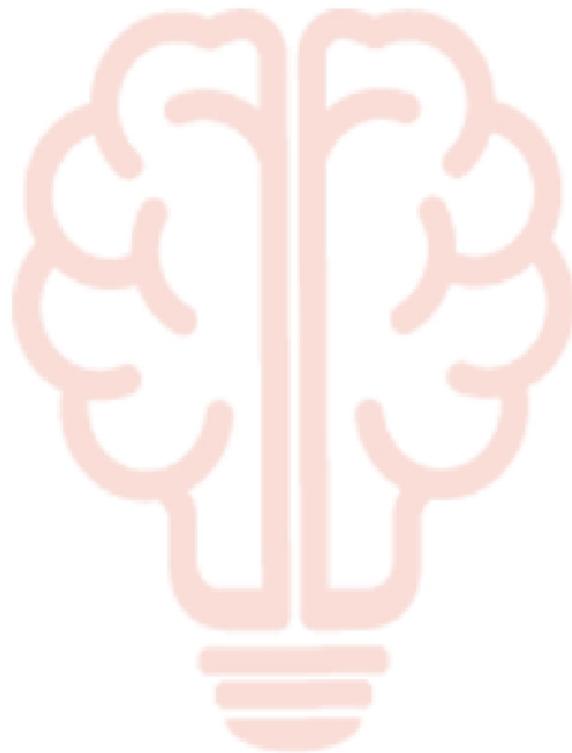
Installation

Installation via uploaded ZIP file

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

Manual installation

Put the contents of this directory into:

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

Then log in to your Moodle site as an administrator and go to `Site administration > Notifications` to complete the installation.

Alternatively, you can run:

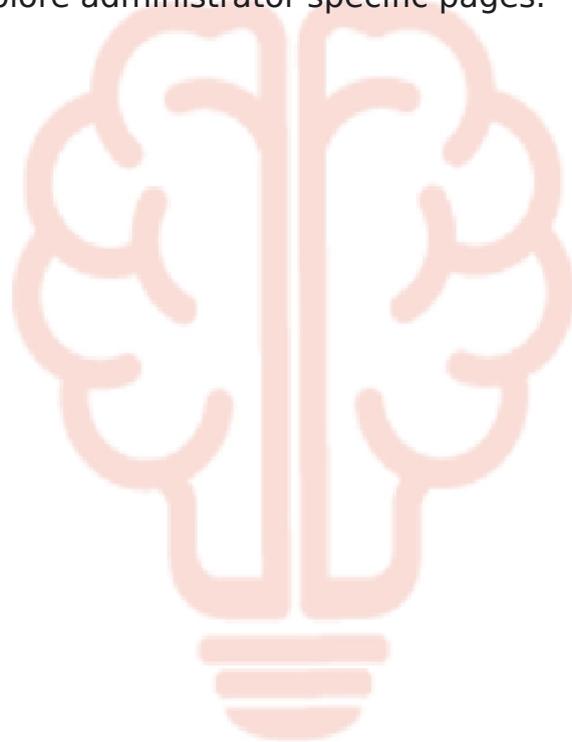```
php admin/cli/upgrade.php
```

# Administrator Guide

Welcome to the **Administrator Guide** for Datacurso Forum AI. This section includes the site-level configuration required by Moodle administrators.

## Contents

- Enable notifications

Use the sidebar to explore administrator-specific pages.

# Enable notifications

Notifications are required so teachers, managers, and administrators receive alerts when new AI responses are generated and pending review.

Without this configuration, Forum AI can still generate responses, but reviewers may not be informed in time to approve, edit, or reject them.

# Configure notification settings

1. Go to `Site administration > General > Messaging > Notification settings`.



2. Locate the Forum AI notification provider in the list of notification types.

3. Enable the notification option for the same site (on-site/web notification).



**Note:** At this time, Forum AI notifications are only available inside Moodle (same-site notifications).

# Recommended setup

- Enable same-site notifications so pending AI responses are visible immediately inside Moodle.
- Make sure reviewers (teacher, manager, or administrator) have access to Moodle notifications and the related review pages.
- Keep roles and permissions aligned with your review workflow.

# Verification

After enabling notifications:

1. Create a test discussion in a forum where Forum AI is enabled.

2. Wait for AI processing to run.

3. Confirm that reviewers receive the expected notification and can open the review page directly from it.
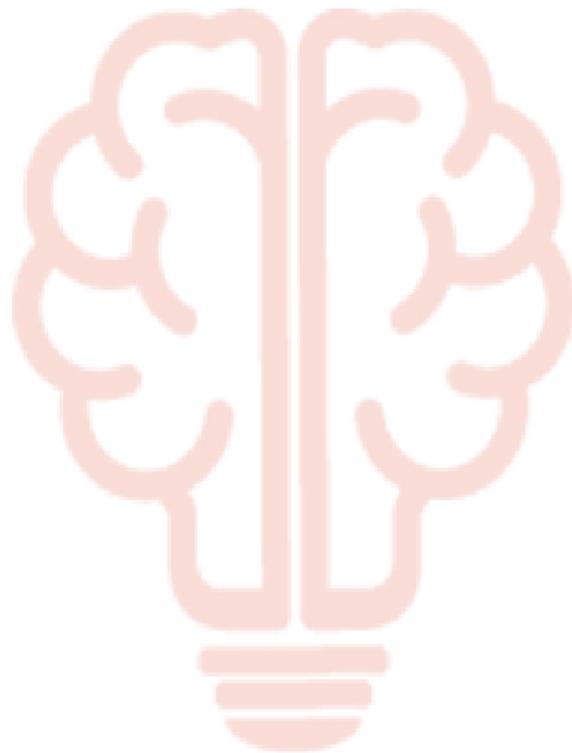
# Teacher Guide

Welcome to the **Teacher Guide** for Datacurso Forum AI. This section provides the workflow for enabling AI features, reviewing responses, and applying grading settings.
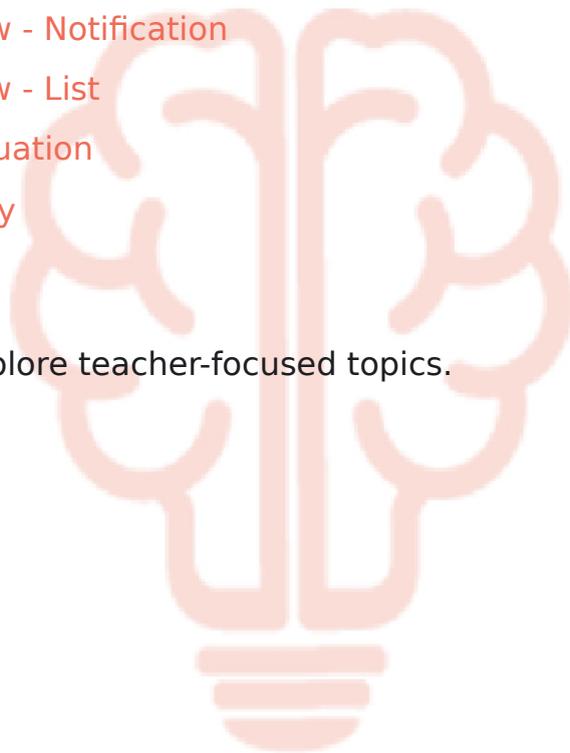
## Contents

- Enable AI features
- AI response review - Notification
- AI response review - List
- Whole forum evaluation
- AI response history
- Grade Admitted

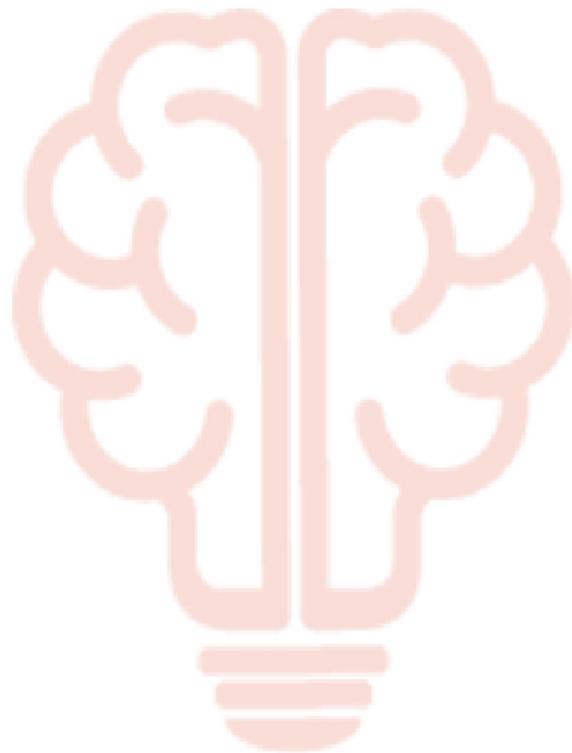Use the sidebar to explore teacher-focused topics.

# Enable AI features

This section explains each setting available in **Datacurso Forum AI** and how it impacts forum behavior.

You can apply these settings when creating a new forum or by editing an existing one.

1. Open the forum settings page.
2. Scroll to the **Datacurso Forum AI** section.

## Impact of Agile Methodologies on Modern Software Development

Forum    Settings    Advanced grading    Subscriptions    Reports    More ⌄

## Edit settings

Expand all

> **General**

> **Availability**

> **Attachments and word count**

> **Subscription and tracking**

> **Discussion locking**

> **Post threshold for blocking**

> **Whole forum grading**

> **Ratings**

> **Common module settings**

> **Restrict access**

> **Completion conditions**

> **Tags**

> **Competencies**

> **Datacurso Forum AI**

☐ Send content change notification ❓

[ Save and return to course ]    [ Save and display ]    [ Cancel ]

3. Configure the options according to your teaching workflow.

## Datacurso Forum AI

| | |
|---|---|
| Enable AI | Yes |
| Enable AI in Conversation initial message ❓ | No |
| Allowed roles for AI responses ❓ | × Student  Search ▼ |
| Review AI Response | Yes |
| Recorded grader for auto approvals ❓ | × Buen Data  Search ▼ |
| Give instructions to the AI | Reply with an empathetic and motivational tone |

☐ Send content change notification ❓

[Save and return to course] [Save and display] [Cancel]

# Enable AI integration

This is the main switch for Forum AI in the selected forum.

- When set to **Yes**, Forum AI can process forum activity and generate AI-assisted feedback.
- When set to **No**, no AI responses or AI grading actions are executed for that forum.

## ∨ **Datacurso Forum AI**

| | |
|---|---|
| Enable AI | Yes ⇕ |
| Enable AI in Conversation initial message ❓ | No ⇕ |
| Allowed roles for AI ❓ responses | × Student<br>Search ▼ |
| Review AI Response | Yes ⇕ |
| Recorded grader for ❓ auto approvals | × Buen Data<br>Search ▼ |
| Give instructions to the AI | Reply with an empathetic and motivational tone |

☐ Send content change notification ❓

**Save and return to course**  **Save and display**  Cancel

# AI response in initial message

This option allows AI processing from the first post of a discussion thread.

- When set to **Yes**, AI support starts from the first post of each topic.
- When set to **No**, AI only interacts with follow-up replies.

## Datacurso Forum AI

Enable AI — Yes

Enable AI in Conversation initial message — No

Allowed roles for AI responses — × Student / Search

Review AI Response — Yes

Recorded grader for auto approvals — × Buen Data / Search

Give instructions to the AI — Reply with an empathetic and motivational tone

☐ Send content change notification

Save and return to course | Save and display | Cancel

# Allowed roles for AI responses

Use this setting to define which participant roles can receive AI-generated responses.

- Helps limit AI interaction to specific roles based on course policy.
- Commonly used to keep AI support focused on student contributions.

## Datacurso Forum AI

| | |
|---|---|
| Enable AI | Yes ⇕ |
| Enable AI in Conversation initial message ❓ | No ⇕ |
| Allowed roles for AI ❓ responses | ✕ Student |
| | Search ▼ |
| Review AI Response | Yes ⇕ |
| Recorded grader for ❓ auto approvals | ✕ Buen Data |
| | Search ▼ |
| Give instructions to the AI | Reply with an empathetic and motivational tone |

☐ Send content change notification ❓

[Save and return to course] [Save and display] [Cancel]

# AI response review

When set to **Yes**, AI-generated responses require manual review before publication.

When set to **No**, AI-generated responses are published without manual review.

- Teachers can edit the generated response.
- Teachers can approve or reject each proposal.
- This is recommended when strict pedagogical control is required.

## Datacurso Forum AI

Enable AI   [ Yes ⇕ ]

Enable AI in ❓   [ No ⇕ ]
Conversation initial
message

Allowed roles for AI ❓   [ × Student ]
responses
[ Search ▼ ]

Review AI Response   [ Yes ⇕ ]

Recorded grader for ❓   [ × Buen Data ]
auto approvals
[ Search ▼ ]

Give instructions to the   [ Reply with an empathetic and motivational tone ]
AI

☐ Send content change notification ❓

[ Save and return to course ]   [ Save and display ]   [ Cancel ]

# Extra directions for AI

This field lets you add forum-specific instructions for the AI model.

You can define:

- expected tone,
- response length,
- pedagogical approach,
- academic level,
- language preferences.

Using clear instructions improves consistency and alignment with course objectives.

## Datacurso Forum AI

Enable AI — Yes

Enable AI in Conversation initial message ❓ — No

Allowed roles for AI ❓ responses — × Student | Search ▼

Review AI Response — Yes

Recorded grader for ❓ auto approvals — × Buen Data | Search ▼

Give instructions to the AI — Reply with an empathetic and motivational tone

☐ Send content change notification ❓

[Save and return to course] [Save and display] [Cancel]

# Grader user for automatic review

When automatic review/approval is enabled, this setting lets you choose the user that will appear as the grader for AI-approved grading actions.

Use this option to define the visible grader identity in Moodle records.

- Select the teacher or service account that should appear as the grader.
- Choose this carefully, because students will see this user as the source of the published grade.

## Datacurso Forum AI

| | |
|---|---|
| Enable AI | Yes ↕ |
| Enable AI in Conversation initial message ❓ | No ↕ |
| Allowed roles for AI ❓ responses | × Student<br>Search ▼ |
| Review AI Response | Yes ↕ |
| Recorded grader for ❓ auto approvals | × Buen Data<br>Search ▼ |
| Give instructions to the AI | Reply with an empathetic and motivational tone |

☐ Send content change notification ❓

[ Save and return to course ]  [ Save and display ]  [ Cancel ]

# AI response review - Notification

This workflow allows reviewers to manage AI-generated replies directly from Moodle notifications.

It is the fastest path for teachers to validate AI output when response review is enabled.

Use this method when you want immediate action per notification instead of reviewing from a report list.

## 1. Review through notification.

When Forum AI generates a response proposal, eligible reviewers receive a same-site notification.



Open the notification to access the pending item.
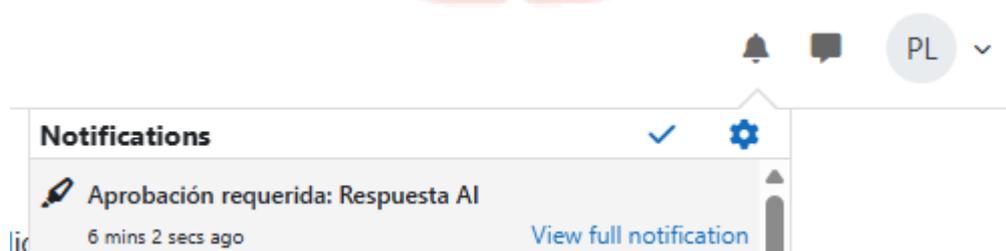


## 2. Access response details.

By clicking the notification, you open a detailed view with:

- the original discussion context,
- the student post,
- and the AI-generated reply suggestion.

Review the full context before making any publication decision.



## 3. Edit the AI message.

Teachers can edit the suggestion to align with course policy and instructional style.

Typical edits include:

- adjusting tone,
- clarifying feedback,
- correcting terminology,
- shortening or expanding the response.

🧠DataCurso

> ℹ️ **Discussion information**
>
> **Course:** AI in everything
>
> **Forum:** Artificial Intelligence in everything
>
> **Discussion:** The importance of Artificial Intelligence
>
> **Created:** Wednesday, 15 October 2025, 11:15 PM

---

💬 **Original Message**

**The importance of Artificial Intelligence**
In this debate give your personal opinion

Por: Piero Llanos el Wednesday, 15 October 2025, 11:15 PM

---

🤖 **Proposed AI Response** ✏️

Hello! I really appreciate your participation in this debate about the importance of Artificial Intelligence. You've touched on a fundamental topic that impacts several aspects of our daily lives. What are your thoughts on the role ethics plays in the development and use of Artificial Intelligence? I'd love to hear more of your thoughts on this.

💾 Save    Cancel

---

✔ Approve    ✗ Reject

← Return to discussion

# 4. Approve or reject.

After reviewing, choose one action:

- **Approve:** publishes the AI response to the forum.
- **Reject:** discards the proposal and keeps it out of the discussion.

Both actions are recorded and can later be audited in AI response history.

DataCurso

**ℹ Discussion information**

**Course:** AI in everything

**Forum:** Artificial Intelligence in everything

**Discussion:** The importance of Artificial Intelligence

**Created:** Wednesday, 15 October 2025, 11:15 PM

**💬 Original Message**

**The importance of Artificial Intelligence**
In this debate give your personal opinion

Por: Piero Llanos el Wednesday, 15 October 2025, 11:15 PM

**🤖 Proposed AI Response** ✏

Hello! I really appreciate your participation in this debate about the importance of Artificial Intelligence. You've touched on a fundamental topic that impacts several aspects of our daily lives. What are your thoughts on the role ethics plays in the development and use of Artificial Intelligence? I'd love to hear more of your thoughts on this.

💾 Save   Cancel

✓ Approve   ✗ Reject

← Return to discussion

# AI response review - List

The report-based workflow is designed for batch review.

Use **Pending AI Responses** when reviewers need to process multiple AI-generated messages in a controlled queue.

This view is especially useful in large courses with high forum activity.

## Enter Pending AI Responses.

Select **Pending AI Responses** to view all AI messages awaiting review.
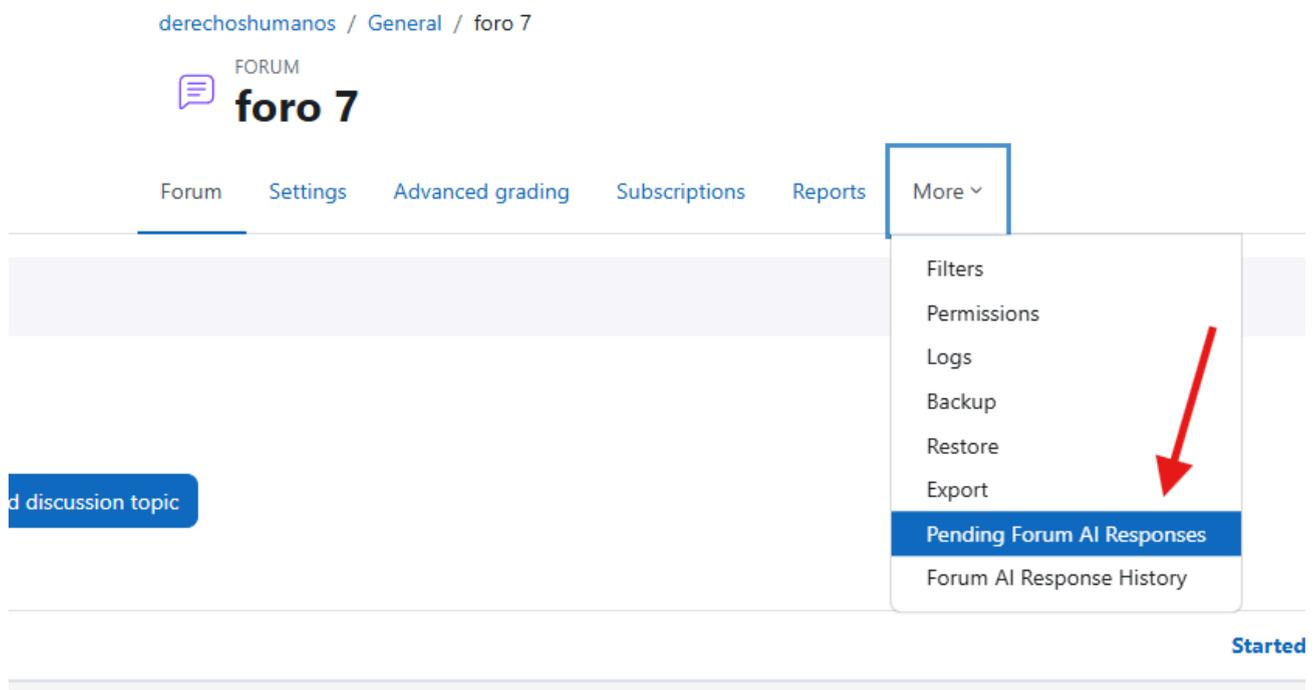


## View pending items.

A list of AI-generated replies appears, including the related forum thread and current review status.

Use this list to prioritize urgent items or high-impact discussions first.

**Pending Forum AI Responses**

DataCurso

| Course | Forum | Subject | Message | Creator | AI Message | Actions |
|--------|-------|---------|---------|---------|------------|---------|
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | In this debate give your personal opinion | Piero Llanos | Hello! I really appreciate your participation in this debate about the importance of Artificial ... | Approve Reject Details |

# See detailed response.

Click **Details** to open the selected proposal with the associated discussion context.

**Pending Forum AI Responses**

DataCurso

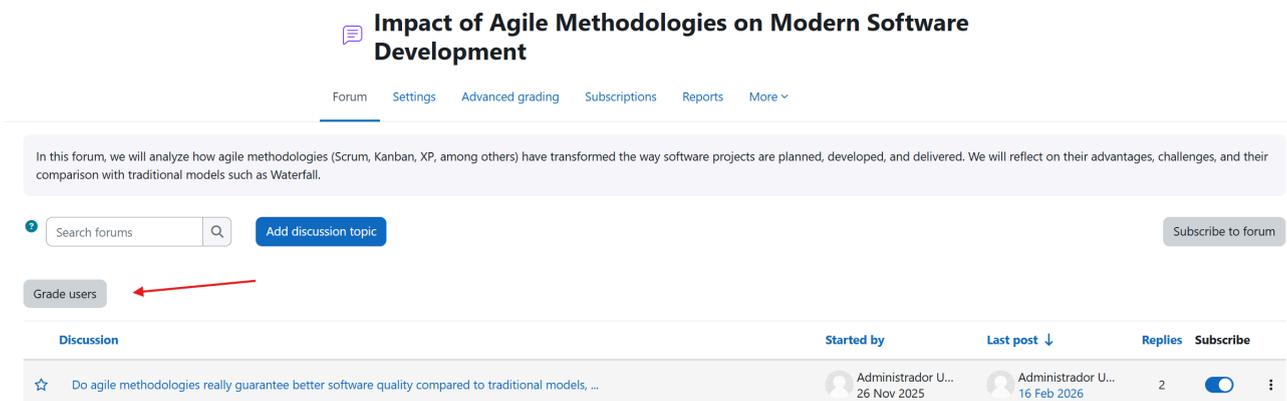| Course | Forum | Subject | Message | Creator | AI Message | Actions |
|--------|-------|---------|---------|---------|------------|---------|
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | In this debate give your personal opinion | Piero Llanos | Hello! I really appreciate your participation in this debate about the importance of Artificial ... | Approve Reject Details |

# View modal with details.

The detail modal displays:

- original thread content,
- AI-generated response,
- available review actions.

This helps reviewers validate relevance and accuracy before deciding.

# Edit and save.

The reviewer can edit the AI message to improve quality and then continue with the review flow.

Use edits to align feedback with rubric language, expected tone, or course-specific standards.

# Approve or reject.

Choose whether to:

- **Approve:** publish the response in the forum.
- **Reject:** discard the response if it does not meet content, tone, or instructional quality.

Approved and rejected decisions are tracked for audit purposes.

# Whole forum evaluation

This section explains the workflow to apply AI-assisted global grading at forum level.

Unlike per-post ratings, this flow evaluates the student's overall participation in the forum activity and applies a single final grade according to the grading method configured in Moodle.

Use this workflow when your course grading policy requires one consolidated forum grade per student.

## Open the forum grading view

Inside the forum, click **Grade users** to open the grading interface for enrolled participants.



This view centralizes student grading actions and is the entry point for whole forum evaluation.

## Run global review with AI

In the grading view, click **Review with AI**.



When this action is triggered, Forum AI evaluates each student globally based on forum participation and the grading configuration defined by your institution (for example: direct grading, marking guide, or rubric).

The analysis is performed using the activity setup and participation evidence available in the forum.

# Confirm AI-applied grade and notification

After processing, the interface shows the AI-reviewed grade and a confirmation notification indicating the action was applied successfully.

At this point, teachers can continue with manual validation or adjustments if needed, based on their academic policy.

# Recommended practice

- Verify grading method configuration before running **Review with AI**.
- Use this flow for whole-forum grading, not for per-post rating workflows.
- Keep teacher validation in place for high-stakes assessments.
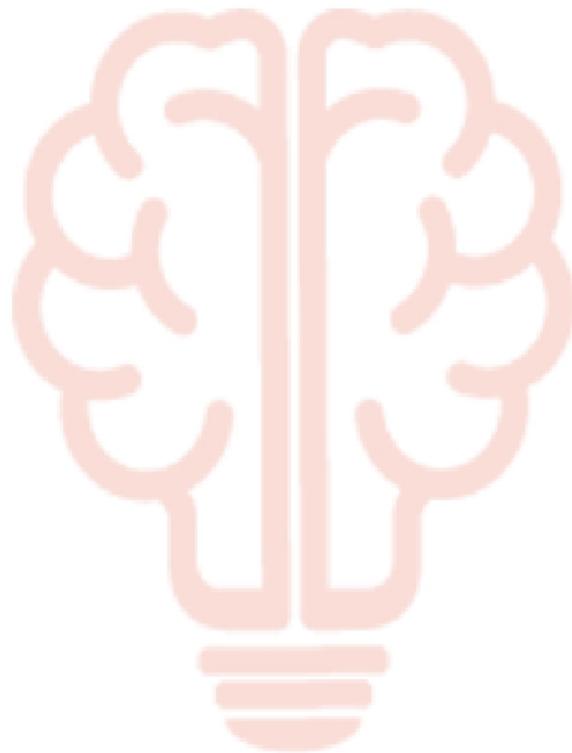
# AI response history

AI Response History provides a complete record of AI-generated forum replies and their final review status.

This section is intended for traceability, quality control, and instructional review.

Use it to verify how AI was used in each course and to evaluate reviewer decisions over time.

## Access the history.

Go to **AI Response History**.
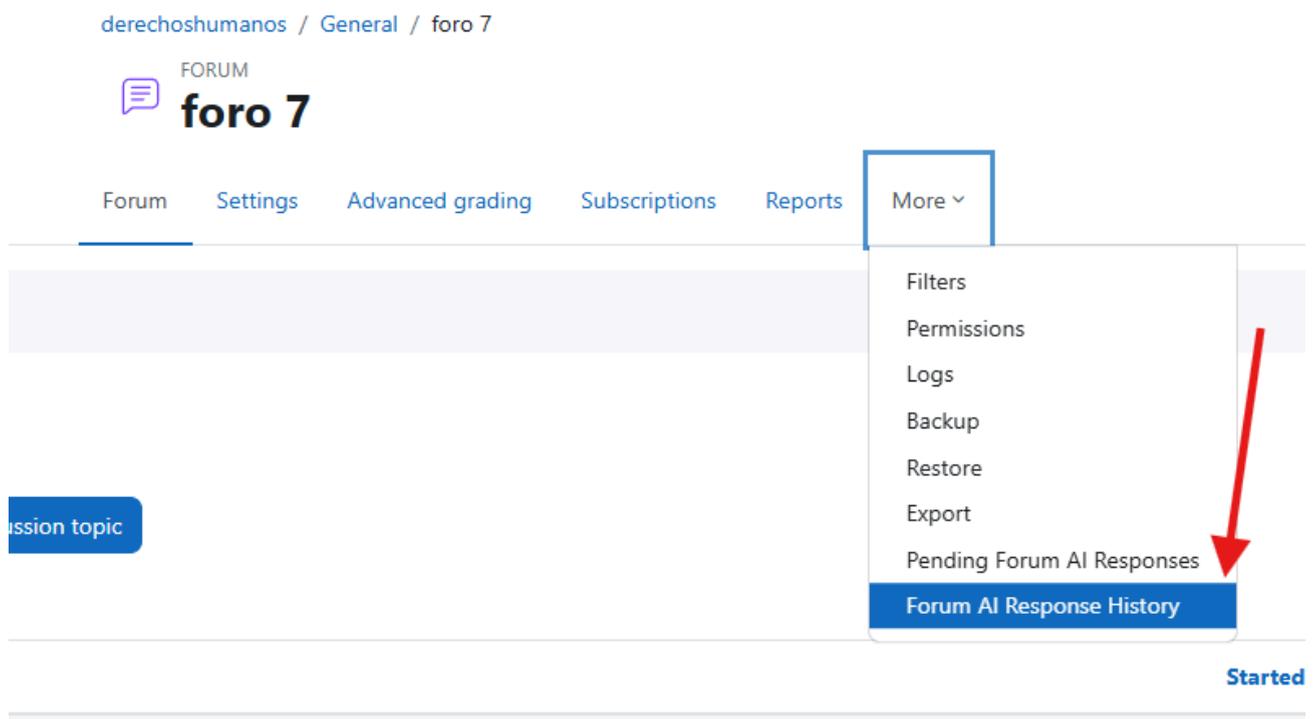


## View the complete table.

The history table shows each response with key metadata, such as:

- author or participant reference,
- approval status,

- linked discussion.

This allows coordinators and teachers to audit activity without opening each item individually.

**Forum AI Response History**

⚲DataCurso

| Course | Forum | Subject | Message generated by AI | Creator | Status | Actions |
|---|---|---|---|---|---|---|
| AI in everything | Artificial Intelligence in everything | proof | Hello! I appreciate your participation, even if the message is brief. It's great to see you're... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | proof | Hello | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | Artificial Intelligence | Thank you for sharing your thoughts on artificial intelligence; it's a very relevant topic in... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | edit | Piero Llanos | Approved | Details |

# View individual details.

Click **Details** to inspect a specific record in full context.

**Forum AI Response History**

⚲DataCurso

| Course | Forum | Subject | Message generated by AI | Creator | Status | Actions |
|---|---|---|---|---|---|---|
| AI in everything | Artificial Intelligence in everything | proof | Hello! I appreciate your participation, even if the message is brief. It's great to see you're... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | proof | Hello | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | Artificial Intelligence | Thank you for sharing your thoughts on artificial intelligence; it's a very relevant topic in... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | edit | Piero Llanos | Approved | Details |

# Thread and response details.

The detailed view includes the original thread content and the corresponding AI response, including whether it was approved or rejected.

This supports:

- review of pedagogical quality,
- follow-up with instructors,
- evidence for internal reporting.

# Grade Admitted

This section explains the grading configurations currently supported by Forum AI.

Forum AI supports grading in two scopes:

- **Whole forum grading** (global evaluation of the entire discussion activity).
- **Ratings** (evaluation per individual post).

Before enabling automated grading workflows, verify these assignment settings to ensure AI grading and feedback behave as expected.

# Whole forum grading

Use this section when the course applies one final grade to the full forum activity.

In this model, AI evaluates participation and contribution quality at the forum level according to the configured grading method.

## ⌄ Whole forum grading

Grade ❓

Type [ Point ⬍ ]

Maximum grade

[ 20 ]

Grading method ❓ [ Simple direct grading ⬍ ]

Grade category ❓ [ Uncategorised ⬍ ]

Grade to pass ❓ [ 0.00 ]

Default setting for ❓ [ No ⬍ ]
"Notify students"

# Grade type support (whole forum)

For whole forum grading, the plugin currently supports only the **Point** grade type.

Configure the activity with numeric points so AI grading can be processed correctly.

## Whole forum grading

Grade ❓

| Type | Point ⬍ |
| --- | --- |
| | None |
| Maxin | **Scale** |
| 2C | Point |

Grading method ❓ | Simple direct grading ⬍ |

Grade category ❓ | Uncategorised ⬍ |

Grade to pass ❓ | 0.00 |

Default setting for ❓ | No ⬍ |
"Notify students"

# Grading method support (whole forum)

For whole forum grading, Forum AI supports all three Moodle grading methods:

- **Simple direct grading**
- **Marking guide**
- **Rubric**

This allows institutions to keep their preferred pedagogical model while using AI-assisted forum evaluation.

## ⌄ **Whole forum grading**

Grade ❓

Type  Point ⬍

Maximum grade

20

Grading method ❓  Simple direct grading ⬍

Simple direct grading

Grade category ❓  Marking guide

Rubric

Grade to pass ❓

Default setting for ❓  No ⬍
"Notify students"

# Ratings

Use this section when the course grades each forum post separately.

In this model, AI works at post level and supports rating-based grading workflows.
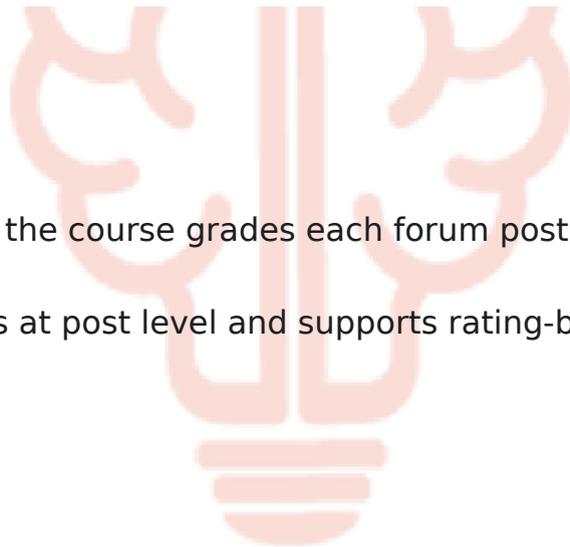
## Ratings

| | | |
|---|---|---|
| Roles with permission to rate | ❓ | Manager, Teacher, Non-editing teacher |
| Aggregate type | ❓ | Average of ratings ⇕ |

Scale ❓

Type Point ⇕

Maximum grade

100

☐ Restrict ratings to items with dates in this range:

| | | |
|---|---|---|
| Grade category | ❓ | Uncategorised ⇕ |
| Grade to pass | ❓ | 0.00 |

# Aggregation type support (ratings)

For ratings, the plugin currently accepts all available aggregation types.

This gives flexibility to institutions that consolidate per-post scores with different Moodle rating strategies.

## Ratings

| | | |
|---|---|---|
| Roles with permission to rate | ❓ | Manager, Teacher, Non-editing teacher |
| Aggregate type | ❓ | Average of ratings ⇕ |

| | | |
|---|---|---|
| Scale | ❓ | Type [ Point ⇕ ]<br><br>Maximum grade<br>[ 100 ] |

☐ Restrict ratings to items with dates in this range:

| | | |
|---|---|---|
| Grade category | ❓ | Uncategorised ⇕ |
| Grade to pass | ❓ | 0.00 |

## Scale support (ratings)

For ratings scale, the plugin currently supports **Point** scale only.

Use a numeric point scale to ensure AI grading compatibility in post-level ratings.

## Ratings

Roles with permission to rate    Manager, Teacher, Non-editing teacher

Aggregate type    Average of ratings

Scale

Type   Point

None
Scale
**Point**

Maxin

10

☐ Restrict ratings to items with dates in this range:

Grade category    Uncategorised

Grade to pass    0.00
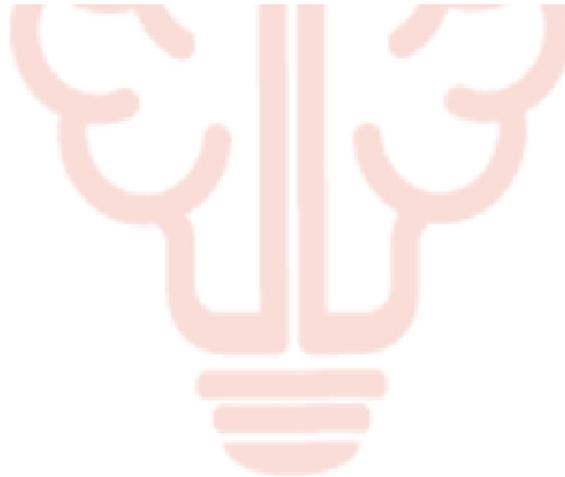
# Forum AI plugin permissions

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

| Name | Description | Default roles |
|---|---|---|
| `local/forum_ai:approveresponses` | Approve or reject AI-generated forum responses (and access the pending/history/review pages). | Manager, Editing teacher, Course creator |
| `local/forum_ai:useaireview` | Use the **Review with AI** functionality in the forum grading interface. | Manager, Editing teacher, Teacher |

## `local/forum_ai:approveresponses`

Allows users to **review, approve, or reject** AI-generated forum responses before they are published, and to access the Forum AI management pages within a course.

With this permission, a user can:

- Access the **Pending Forum AI Responses** page.

derechoshumanos / General / foro 7

FORUM
**foro 7**

Forum    Settings    Advanced grading    Subscriptions    Reports    More ˅

Filters
Permissions
Logs
Backup
Restore
Export
**Pending Forum AI Responses**
Forum AI Response History

d discussion topic

**Started**

## Pending Forum AI Responses

DataCurso

| Course | Forum | Subject | Message | Creator | AI Message | Actions |
|--------|-------|---------|---------|---------|------------|---------|
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | In this debate give your personal opinion | Piero Llanos | Hello! I really appreciate your participation in this debate about the importance of Artificial ... | Approve  Reject  Details |

- Access the **Forum AI Response History** page.

derechoshumanos / General / foro 7

FORUM
**foro 7**

Forum    Settings    Advanced grading    Subscriptions    Reports    More ˅

ssion topic

Filters
Permissions
Logs
Backup
Restore
Export
Pending Forum AI Responses
**Forum AI Response History**

**Started**

**Forum AI Response History**

| Course | Forum | Subject | Message generated by AI | Creator | Status | Actions |
|--------|-------|---------|------------------------|---------|--------|---------|
| AI in everything | Artificial Intelligence in everything | proof | Hello! I appreciate your participation, even if the message is brief. It's great to see you're... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | proof | Hello | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | Artificial Intelligence | Thank you for sharing your thoughts on artificial intelligence; it's a very relevant topic in... | Piero Llanos | Approved | Details |
| AI in everything | Artificial Intelligence in everything | The importance of Artificial Intelligence | edit | Piero Llanos | Approved | Details |

## local/forum_ai:useaireview

Allows users to use the **Review with AI** button inside the forum grading interface.

With this permission, a user can:

- See and use the **Review with AI** button in the forum grading workflow.
- Trigger the AI analysis/review UI that helps evaluate forum participation.

**DataCurso**

Save    Close

**Not graded**
1 out of 1

→    Student1 User1    <    >

Grading (Forum test)

**Review with AI**

Grade

The grade to award the student for their work.

🔔 Notifications

○ Yes, send notification to student

● No