Department for Digitalisation and IT

2025-04-15

# Artificial Intelligence (AI) Design Assistant

## Content

Creating a new course from nothing can be a time-consuming task that involves a lot of repetitive work. Your institution may have limited resources for instructional design, or you may want help outlining your course. The AI Design Assistant helps you build your course and saves you time. You can use advanced AI to help create learning modules, make rubrics, create question banks, and design assessments.

At all steps in the creation process, you're able to adjust the complexity of content and customize everything that the AI Design Assistant generates. You can even use the AI Design Assistant to give your course a unique look to better engage your students by generating keywords to search Unsplash's gallery of stock photos. Visit the "Course Banner" topic to learn more about adding banners to your course.

As we look to explore the benefits AI has to offer, we are prioritizing lawful, ethical, and responsible use. We have established our Trustworthy AI principles, where we commit to:

- humans in control,
- fairness,
- privacy,
- security, and
- safety.

We recommend reviewing the documents linked below as you consider using AI within Learn Ultra.

- [Our Trustworthy AI Principles can be found in our Trust Center.](#)

We chose to partner with Microsoft to provide this functionality for many reasons. A primary reason is that Microsoft has a long-standing commitment to the ethical use of AI. Please find helpful resources from Microsoft below:

- [Microsoft's Responsible AI page](#)
- [Microsoft's Transparency Note for Azure Open AI Service](#)
- [Microsoft's page on Data, privacy, and security for Azure OpenAI Service](#)

## Course structure suggestions – 3900.74

If you need help designing your course and don't know where to start, the AI Design Assistant can guide you through building the course's structure. The AI Design Assistant draws insights from your course's title and description to generate learning modules. Learning modules can support a course objective, concept, or theme. Learning modules help you organize your content and guide how your students navigate through a topic.

In an empty course, select **Auto-Generate Modules**.
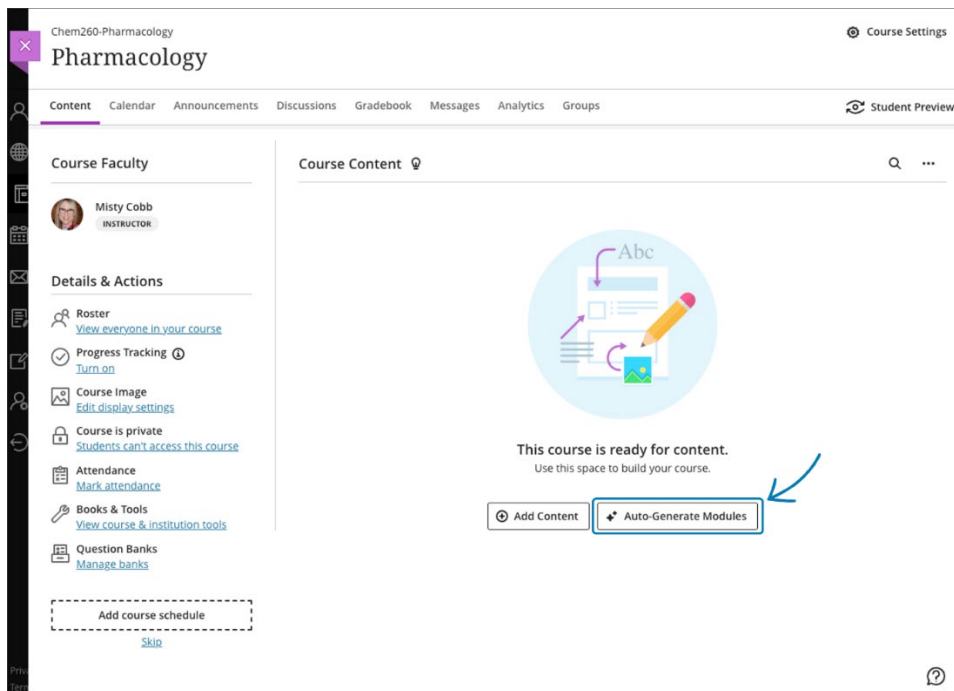
If you already have content in your course, **Auto-Generate Modules** is an option in the **Create Item** menu.

The **Auto-Generate Modules** panel appears. Each generated module comes with a name and description.
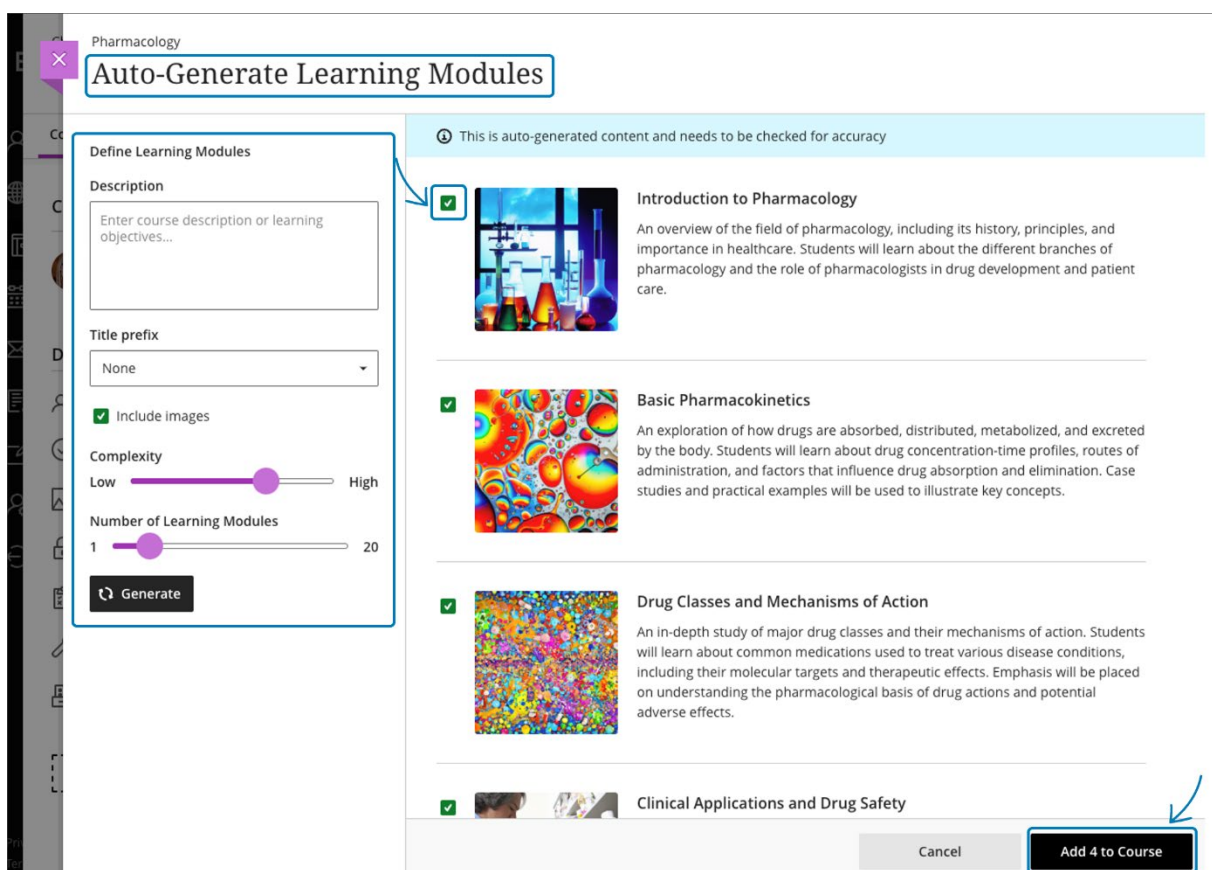
You have several ways to customize the learning modules that the AI Design Assistant generates.

- Enter a description (limited to 2000 characters) to narrow the focus of the modules
- Select a prefix for the module titles
- Choose whether to include AI-generated images for the modules
- Adjust the complexity of the modules' focus
- Select the number of modules to generate

Once you've finalized your settings, select **Generate**. Choose the modules you'd like to add to your course, then select **Add to Course**.



Review each learning module's title and description for accuracy. You can also edit learning modules to better fit your teaching style and goals. Visit the "Create Learning Modules" topic to learn more about how to customize and navigate learning modules.

The AI Design Assistant can generate images for pre-existing learning modules. You can also upload your own images or select the built-in feature to include a stock photo from Unsplash.

## Language Selector – 3900.93

To support multi-language use cases, the AI Design Assistant now includes a language selector. Instructors may use the language selector to set the desired language for generated content. This feature is especially beneficial for courses with multi-language requirements.

The language selector is included in all existing AI Design Assistant workflows. A list of supported languages in the language selector is available.

Select the desired output language from the advanced options:

The generated output is in the selected language:

## Discussion generation – 3900.80

Discussions will be generated based on your course's title and description.

You have several ways to customize the discussions that the AI Design Assistant generates. Enter a description (limited to 2000 characters) to narrow the focus of the discussions

- Select the desired cognitive level
  - Apply
  - Analyze
  - Evaluate
  - Create
  - Inspire me! provides you with a mix of levels

  Adjust the complexity of the discussions' focus by moving the slider
  Select whether you want to generate a title for discussions

*Cognitive levels are based on Bloom's Taxonomy.*

Once you've finalized your settings, select **Generate**. Review each discussion for accuracy and bias. Choose the discussion you'd like to add to your course, then select **Add**.

## Journal generation – 3900.80

Journals will be generated based on your course's title and description.

You have several ways to customize the journals that the AI Design Assistant generates.

Enter a description (limited to 2000 characters) to narrow the focus of the journals
Select the desired cognitive level
- o Apply
- o Analyze
- o Evaluate
- o Create
- o Inspire me! provides you with a mix of levels

Adjust the complexity of the journals' focus by moving the slider
Select whether you want to generate a title for journals

*Cognitive levels are based on Bloom's Taxonomy.*

Once you've finalized your settings, select **Generate**. Review each journal for accuracy and bias. Choose the journal you'd like to add to your course, then select **Add**.

## Rubric generation – 3900.82

Grading rubrics offer a structured framework to assess student work. Rubrics ensure both fairness and consistency in grading. Moreover, rubrics give students clear directives to meet desired learning outcomes. However, creating rubrics can take a lot of time. The AI Design Assistant creates rubrics by drawing insights from course context.

Rubric generation is an option everywhere that you can create a rubric. Select **Generate** to start:



You have several ways to customize the rubrics that the AI Design Assistant generates.

- Enter a description (limited to 2000 characters) to narrow the focus of the rubric
- Select the rubric type: percentage, percentage range, points, or point range
- Adjust the complexity of the rubric
- Define the number of columns and rows

Once you've finalized your settings, select **Generate**. If the rubric meets your needs, select **Continue** to edit the rubric.

Pharmacology

Generated Rubric 8/3/23, 12:34 PM

| Name your rubric | | tstanding | Proficient ✎ 🗑 | Developing | Needs Improvement | |
|---|---|---|---|---|---|---|
| Engaging and specific titles help students know what to expect. You can edit the title at any time. | | 0% Demonstrates comprehensive understanding of pharmacokinetic principles and their significance in drug-body interactions | 85% Demonstrates good understanding of pharmacokinetic principles and their significance in drug-body interactions | 75% Demonstrates basic understanding of pharmacokinetic principles and their significance in drug-body interactions | 60% Demonstrates limited understanding of pharmacokinetic principles and their significance in drug-body interactions | |
| **40%** of total grade | | | | | | |
| Align with goals | | | | | | |
| Application | 100% Applies pharmacokinetic principles effectively to analyze real-life or popular media examples, demonstrating critical thinking skills | 80% Applies pharmacokinetic principles to analyze real-life or popular media examples, demonstrating good understanding | 70% Applies pharmacokinetic principles to analyze real-life or popular media examples, demonstrating basic understanding | 50% Attempts to apply pharmacokinetic principles to analyze real-life or popular media examples, but with limited success | | |
| **30%** of total grade | | | | | | |
| Align with goals | | | | | | |
| Communication | 100% Clearly articulates thoughts, ideas, and examples related to pharmacokinetic principles in a concise and organized manner | 75% Effectively communicates thoughts, ideas, and examples related to pharmacokinetic principles in a clear and organized manner | 65% Communicates thoughts, ideas, and examples related to pharmacokinetic principles but lacks clarity or organization | 50% Struggles to communicate thoughts, ideas, and examples related to pharmacokinetic principles with clarity or organization | | |
| **20%** of total grade | | | | | | |
| Align with goals | | | | | | |
| Engagement | 100% Actively participates in discussions, demonstrates enthusiasm, and shows a deep | 70% Participates in discussions and demonstrates interest in pharmacokinetic principles | 60% Occasionally participates in discussions but lacks consistent interest in pharmacokinetic | 40% Rarely participates in discussions and shows little interest in pharmacokinetic | | |

Cancel    Save

Review each cell of the rubric for accuracy. You can also further edit your rubric to better fit your teaching style and goals. Visit the "Rubrics" topic to learn more about how you can customize your rubric.

## Assignment prompt generation – 3900.82

You can generate assignment prompts that encourage students to:

- engage in higher-order thinking
- apply knowledge gained from your class
- produce authentic submissions that are evidenced
- emulate real-world situations

Assignment prompts are generated based on course context. On the assignment creation page, select **Auto-generate assignment**:

You're brought to the **Auto-Generate Assignment** page:



The AI Design Assistant generates three assignment prompts. You have several ways to define the prompts that the AI Design Assistant generates.

- Enter a description (limited to 2000 characters) to narrow the focus of the prompts
- Select the desired cognitive level
    - Apply
    - Analyze
    - Evaluate
    - Create
    - Inspire me! provides you with a mix of levels
- Adjust the complexity of the prompts' focus by moving the slider
- Select whether or not you want to generate a title for the prompts

*Cognitive levels are based on Bloom's Taxonomy.*

Once you've finalized your settings, select **Generate**. Review each prompt for accuracy and bias. Choose the prompt you'd like to add to your assignment, then select **Add**.

## Test question generation – 3900.74

Creating test questions takes a significant amount of time. The AI Design Assistant can offer suggestions for test questions, giving you extra time to focus on more complicated tasks. The AI Design Assistant is beneficial for both formative and summative assessments. Test questions are generated based on course context.

In the test creation panel, select **Auto-generate question** from the menu:
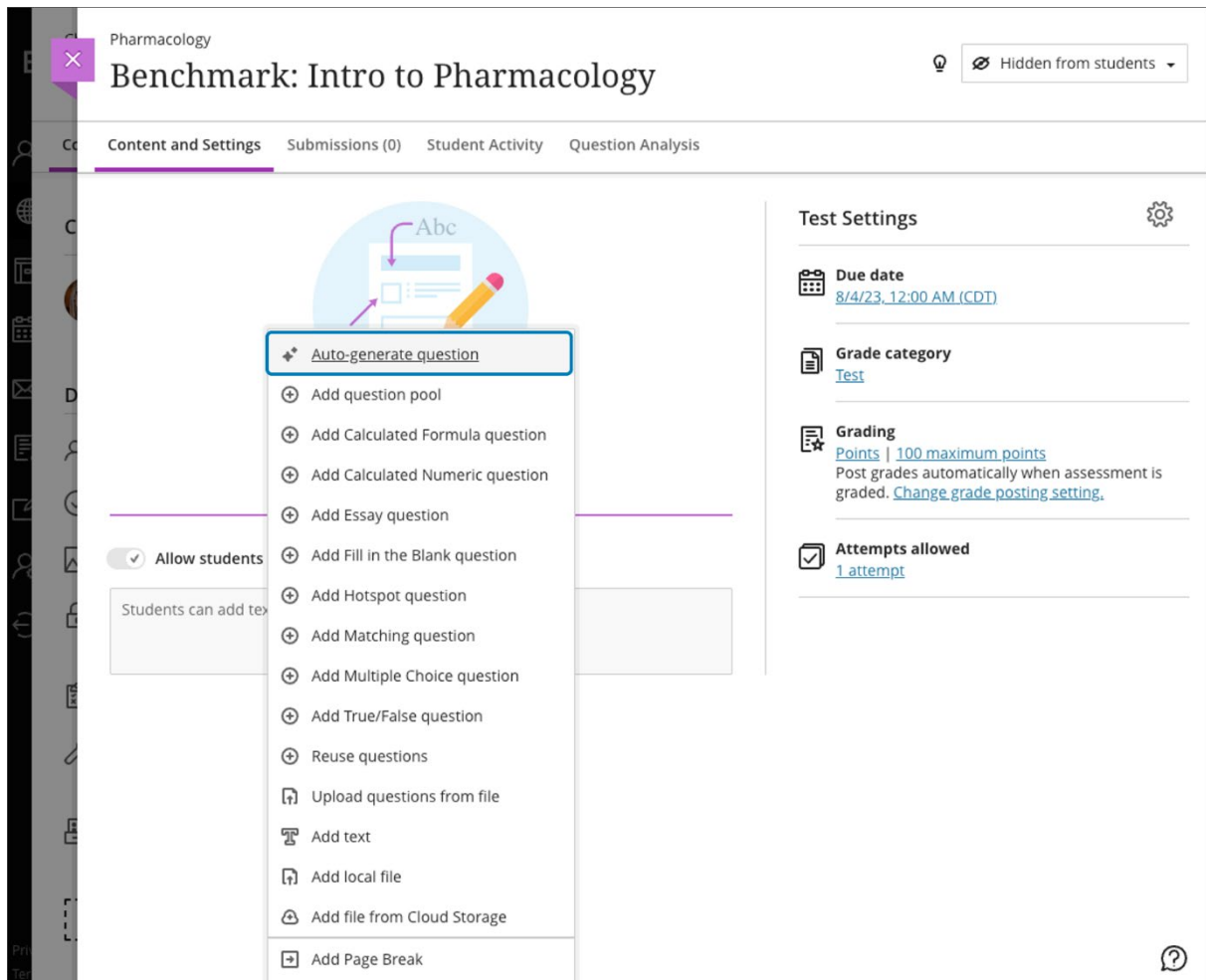


You have several ways to define the test questions that the AI Design Assistant generates.

- Enter a description (limited to 2000 characters) to narrow the focus of the questions
- Adjust the complexity of the questions
- Select the number of questions

You can select from the following question types:

- Essay
- Fill in the blank

- Matching
- Multiple choice
- True/False

The "Inspire me!" question type suggests a variety of question types to give you more options. Visit the "Question Types" topic to learn more about different types of questions in Learn.

Once you've finalized your settings, select **Generate**. Choose the questions that you'd like to add to your assessment, then select **Add to Assessment**:

Review each question for accuracy. You can also edit questions to better fit your learning goals. Visit the "Edit Tests and Questions" topic to learn more about editing test questions.

## Question Bank generation from Ultra Documents – 3900.74

Ultra Documents blend text and media components, enriching content presentation. Visit the "Create Ultra Documents" topic to learn more about how to create Ultra Documents.

Question Banks are sets of questions you can use across multiple assessments. The AI Design Assistant can build question banks based on an Ultra Document to gauge your students' comprehension of the document's topic while saving yourself time. Visit the "Question Banks" topic to learn more about how to create and edit Question Banks.

Select **Generate question bank** in your Ultra Document:
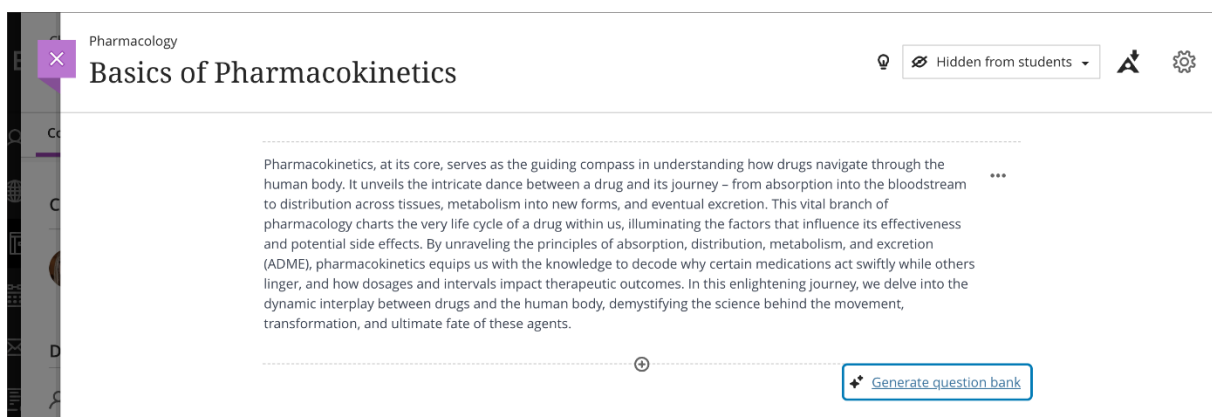


You have several ways to define the questions that the AI Design Assistant generates.

- Enter a description (limited to 2000 characters) to narrow the focus of the questions
- Adjust the complexity of the questions
- Select the number of questions

You can select from the following question types:

- Essay
- Fill in the blank
- Matching
- Multiple choice
- True/False

The "Inspire me!" question type suggests a variety of question types to give you more options. Visit the "Question Types" topic to learn more about different types of questions in Learn.

Once you've finalized your settings, select **Generate**. Choose the questions that you'd like to add to your Question Bank, then select **Add to Question Bank**:

Review each question for accuracy. You can also edit questions to better fit your learning goals. Visit the "Edit Tests and Questions" topic to learn more about editing questions.
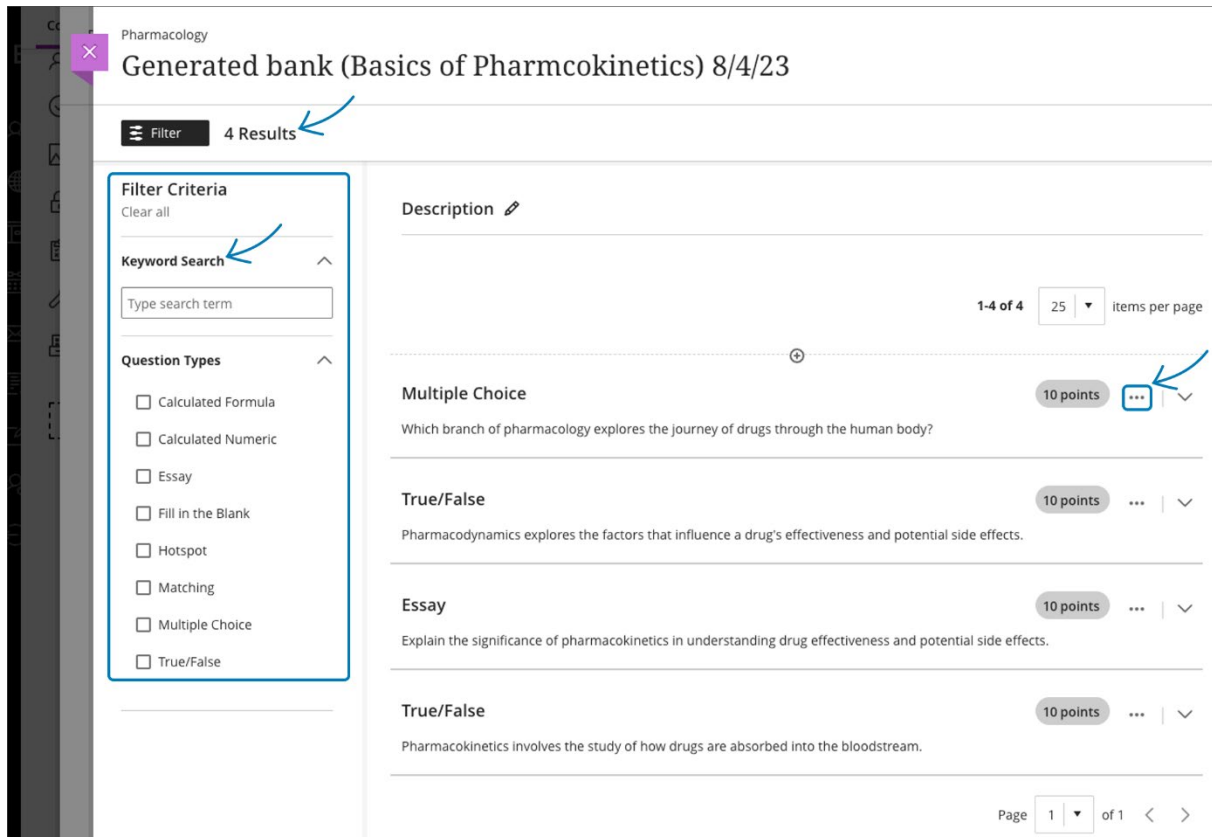


## Tests & Assignments - Generate question banks - 3900.102

Creating questions is time consuming. Instructors now have the option to generate questions in a question bank. Generating question banks from course materials provides inspiration and saves time.

To generate a question bank, select the **Auto-generate** option from the **+** on the Question Banks page.

*Image 1. Auto-generate a question bank*

From the menu, instructors can select content items. These content items provide context for the questions. Instructors can further refine the questions they ask by entering a description of the learning objectives or topic.

*Image 2. The context picker for creating new questions*
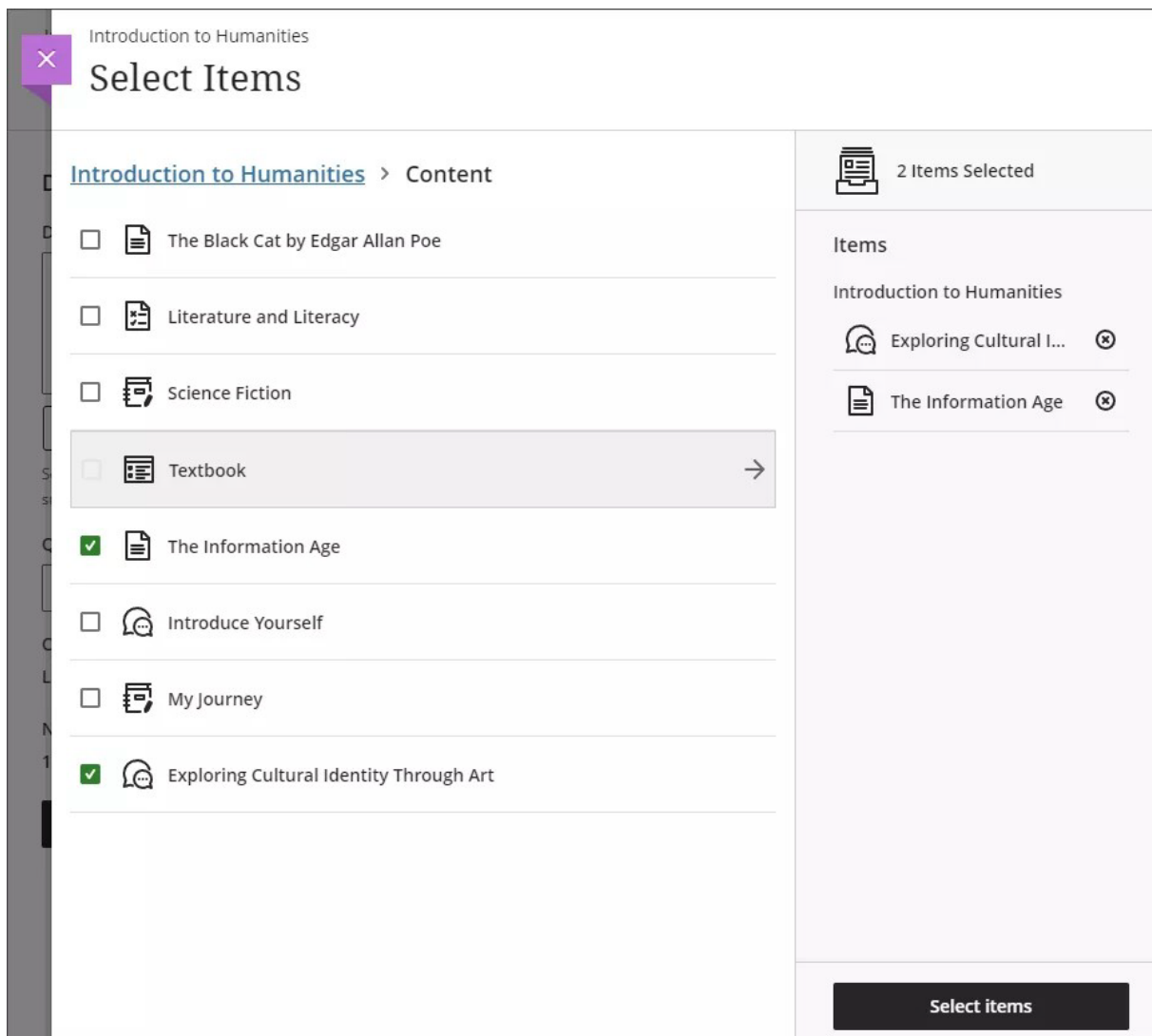


Instructors can select the type of question to generate, such as multiple choice or fill in the blank. The complexity of the questions can also be adjusted. Instructors choose which questions to include in the question bank.

*Image 3. The Auto-Generate Question Bank page*

## Context picker for test question generation – 3900.86

The AI Design Assistant offers inspiration and efficiency when generating test questions. Instructors can now select course items to help define questions. This option improves the alignment of generated questions to course content.

 Auto-generate question option in assessment:

'Select Course Items':



Select course items and then, 'Select items':

Select 'Generate' to apply the context to the generation workflow:



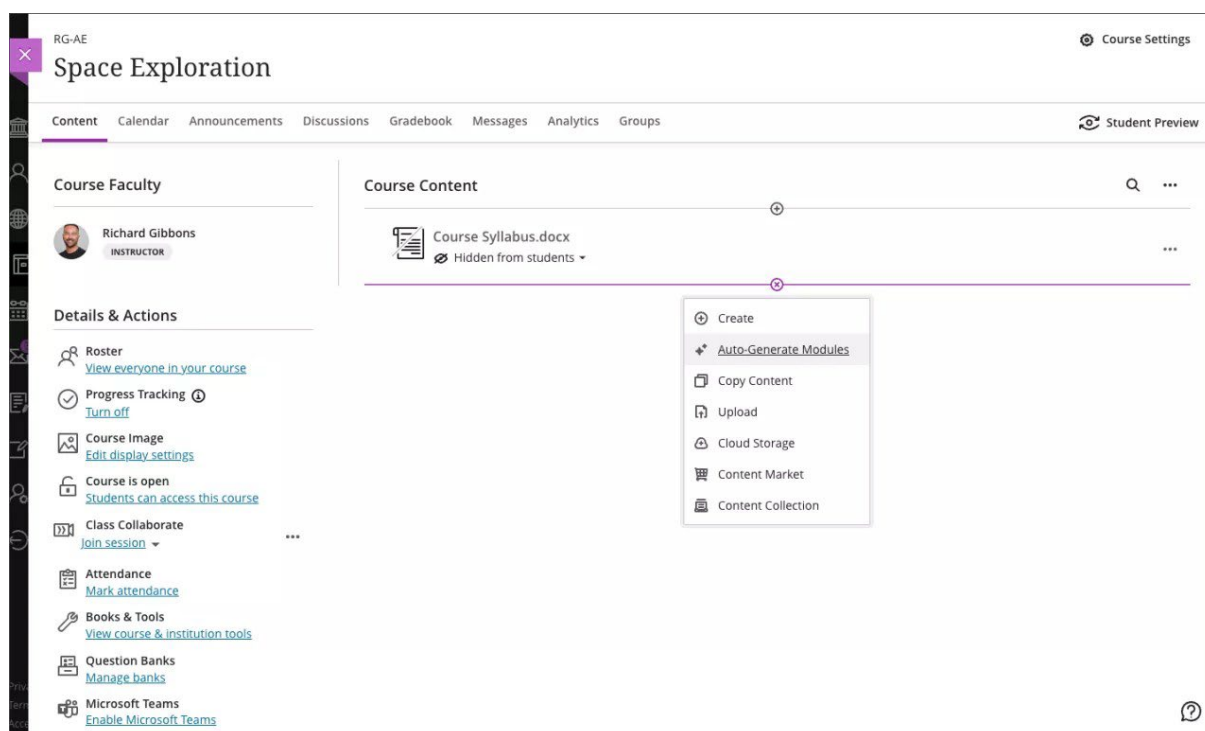Select questions generated and add them to your assessment:

## Context picker for Learning Modules, Assignments, Discussions, and Journals – 3900.89

Context selection is key for tailoring course content generated with the AI Design Assistant. The context picker also helps to ground generated content in an appropriate context.

We are extending the context picker for test questions to other generation workflows:

- Learning modules
- Authentic assignments
- Authentic discussions
- Authentic journals

Example of context picker for learning module generation; select Auto-Generate Modules from the plus icon's dropdown menu:

Choose Select course items:



Select course items for context and then choose Select items:

Select Generate to apply the context to the generation workflow:



Select generated Learning Modules and add them to your course:

# AI Conversation, Socratic questioning exercise – 3900.100

**About AI Conversation**

You can create AI Conversations around a topic or scenario to engage your students. AI Conversations include Socratic questioning and role play exercises. Students can explore and reflect on their own thoughts or role play a situation related to their learning or career path. We'll include other conversation types as we gather feedback and insights from users.

There are two elements to the AI Conversation activity:

- AI Conversation

    o This asks students to think critically about the topic that the instructor designs.

- Reflection question

    o This asks students to share their thoughts on the activity. Students can also flag any bias or errors from the AI as part of our [Trustworthy AI Approach](#). Reflection helps students understand the responsible use of AI services.

Visit the [AI Conversation Transparency Note](#) to learn more about how Anthology's Trustworthy AI program applies to AI Conversation.

***For administrators:*** *For more information on how to enable AI Conversation, visit our page for [AI Design Assistant and Unsplash Configuration](#).*
*Turning AI Conversation off after deployment will stop AI Conversation services. Therefore, any AI conversation activities visible to students won't operate as expected.*

**Create an AI Conversation**

Go to the **Create Item** dropdown by selecting the plus sign anywhere on the Course Content page.

Scroll through the item type options until you reach **AI Conversation** under **Participation and Engagement**.
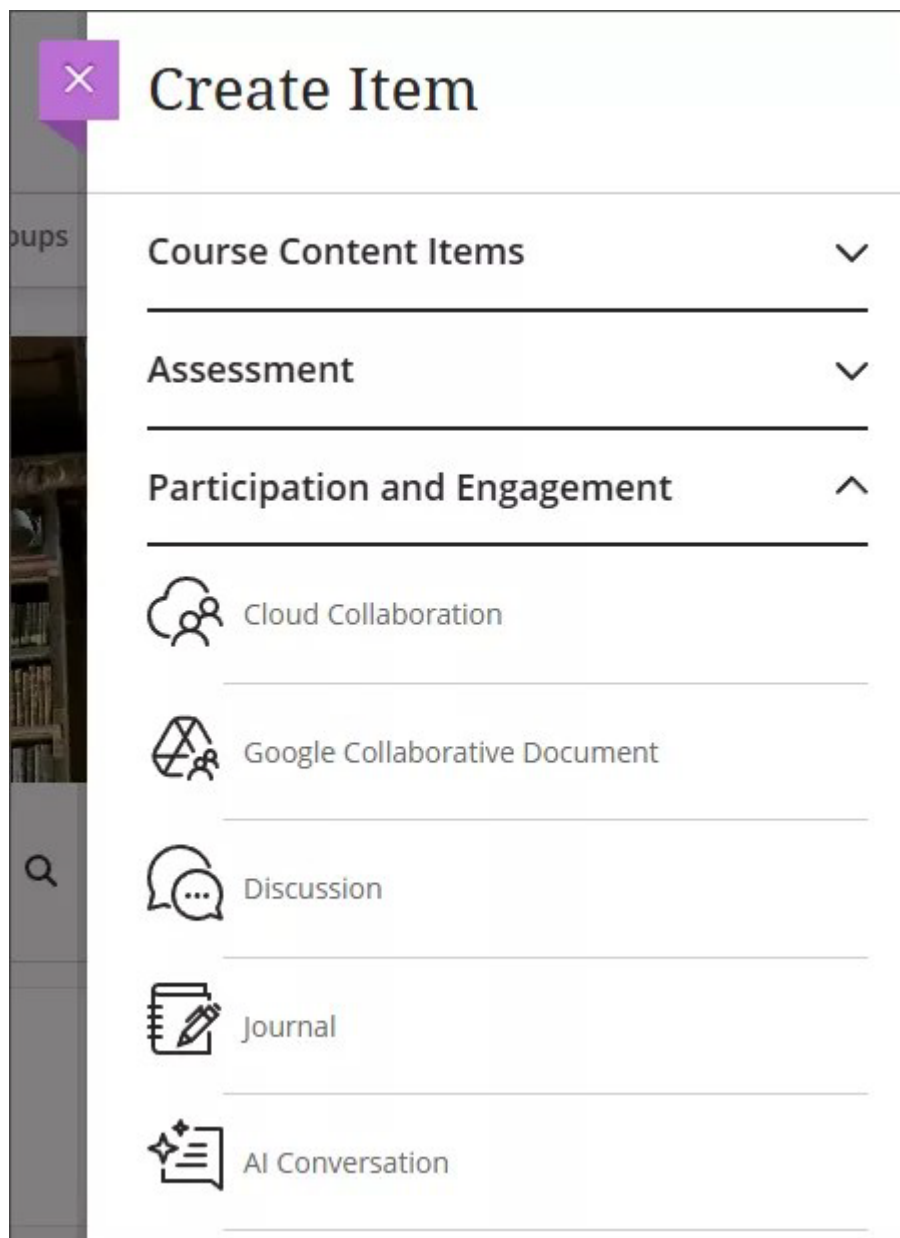
**Customize an AI Conversation**

Select the conversation type. You can choose between **Socratic Questioning** or **Role Play**.

For **Socratic Questioning**, enter a topic of conversation in the content field. Make sure that your topic is open-ended and doesn't have a right or wrong answer. Select **Next** to move on to the next step.

# AI Conversation

☐ Extra Credit    ( 0 points )

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⊘ **STEP 1 OF 3:** Socratic Questioning    ⌄

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🟣 **STEP 2 OF 3:** Student Instructions    ⌃

**What's the key question or topic for the conversation?**
This question will be shown to the student and will help steer the AI persona.

T ▾  |  ⋯  |  ¶ ▾  |  ⤺   🔗   ⊕ ▾

*Enter a topic of conversation formulated as a q...*

ⓘ **Things to include**

- Aim to write a clear open-ended question, with no objectively right or wrong answer
- Consider thought-provoking questions which aim for deeper reflection

**View examples**

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◯ **STEP 3 OF 3:** AI Persona      [ Next ]

[ Cancel ]   [ Save ]

# AI Conversation, Role play option – 3900.104

For **Role Play**, include a scenario, roles for the student and persona, and the goal for the scenario. Select **Next** to move on to the next step.



Now, select a persona for the AI Conversation. You can provide your own image, use Unsplash, or generate an image for the persona's avatar. Enter a name for the persona and briefly describe the persona occupation, personality, or mood. You can also adjust the complexity of the persona's responses.

*The personality traits significantly shape the interactions. Choose traits carefully and preview the conversation to avoid bias or otherwise inappropriate content.*

## AI Conversation

☐ Extra Credit  ( 0 points )

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⊘ **STEP 1 OF 3:** Role Play                                    ⌄

⊘ **STEP 2 OF 3:** You are a teacher explaining to a student why creative wri...  ⌄

● **STEP 3 OF 3:** AI Persona                                    ⌃

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### Who should the AI be?
This allows you to define who the AI persona is, including the style in which they respond to the student.

[image] **Edit image**

> ⓘ **Tip:**
>
> An AI persona can be a historical figure, expert, fictitious character, or anyone else.

**\* Name**

| Space Dog |

**\* Personality trait**

| Supportive |

Briefly describe the persona's occupation, personality or mood

**Complexity of responses**

Low ●————————— High

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Cancel   **Save**

---

Select **Save** when you're finished. You can preview the AI Conversation as a student and interact with the AI persona by selecting **Preview chat**.

*You should always preview an AI conversation before releasing the activity to students. AI tools can hallucinate and introduce bias. It's important to make sure that your instructions are clear and that the AI persona responds in an expected and appropriate way.*

Wild Florida: Ecology and Adventure in the Sunshine State

## Impact of Climate Change on Florida's Ecosystem

10 minutes remaining

1 OF 2 QUESTIONS REMAINING

**AI Conversation**                                                    0 Points

**Sarah Rayney**

What is your current understanding of the impact of climate change on Florida's Ecosystem?

Hi, my name is Sarah Rayney. My responses are generated by AI and therefore may have bias or not be accurate. Please share your initial thoughts...

A key problem for Florida is the low lying coastline. With an expected rise is sea levels over the coming decades, its anticipated that this will have a huge impact on costal communities and habitats. I am particularly concerned with the everglade region.

How do you think the changing climate will specifically affect the flora and fauna in the Everglades region?

Write a response                                    Send

**Reflection Question**                                              1 Point

Questions Filter (2) ▼

Save and Close          Submit Late

### Details & Information

📅 **Assessment due date**
Past due | 7/19/24, 5:00 PM (UTC+1)
• Any new attempts will be marked as late.

⧗ **Time limit**
10 minutes | Automatic submission

☑ **Attempts**
1 attempt left

☆ **Formative Assessment**

**Grading**

| ☰ Maximum points | 1 point |
|---|---|

**Description**
Let's explore your understanding of the Floridian ecosystem. In this activity, you will think critically about climate change and its local and national impact on wildlife and the ecosystem.

You can edit the reflection question to guide your students on how best to reflect on the activity.

**Review student interactions**

On submission, you can review the AI conversation transcript and your students' reflections. The AI Conversation is a formative assessment by default, but you're not restricted to this option.

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You have the option of reviewing general student activity for the assessment by selecting the Student Activity tab. Visit the "Student Activity Details for Assessments" topic to learn more about this feature.

## AI Design Assistant: Auto-generate AI Conversations – 3900.116

The AI Design Assistant can now auto-generate AI Conversations. AI Conversations are conversations between students and an AI persona.

- **Socratic Questioning:** Conversations that encourage students to think critically through continuous questioning.

- **Role-play:** Conversations that allow students to play out scenarios with the AI persona, enhancing their learning experience.

Creating personas and topics for an AI Conversation can take a lot of time. To streamline this process, the AI Design Assistant can generate three suggestions at once. You can select what the AI Design Assistant generates. You can choose to generate:

- AI Conversation title

- AI persona

- Reflection question

These suggestions provide inspiration for an AI Conversation. Instructors can refine the AI Design Assistant's suggestions in several ways:

- Provide additional context

- Adjust the complexity of the question

- Select context from the course

- Manually revise the question

The time saved by auto-generating AI Conversations allows instructors to focus more on embedding AI Conversations into their courses.

The auto-generate feature is now available in AI Conversations.



There are several ways to customize AI Conversations.