

Scale of AI use at Leiden University

In order to provide you with more concrete guidelines, we've adapted the following scale of Perkins et al for the Leiden University study programs

(Perkins, M., Furze, L., Roe, J., MacVaugh, J. (2024) The Artificial Intelligence Assessment Scale (AIAS): A Framework for Ethical Integration of Generative AI in Educational Assessment. British University Vietnam, (Vietnam). Deakin University (Australia). James Cook University (Australia)).

Levels of AI integration



Level of AI integration	Key Message to Students	Disclosure
1 NO AI	<p>The assessment is completed entirely without AI assistance. This level ensures that students rely solely on their knowledge, understanding, and skills.</p> <p><u>AI-generated content or any other form of AI may not be used at any point during the assessment.</u></p>	No AI disclosure required.
2 AI-ASSISTED IDEA GENERATION AND STRUCTURING	<p>AI can be used in the assessment for brainstorming, creating structures, and generating ideas for improving work. However, the use of AI-generated content within the assignment is not allowed.</p> <p><u>No AI content is allowed in the final submission.</u></p>	<p>AI disclosure is required. Include a statement declaring how AI was used in your final submission.</p> <p>A record of used prompts should be maintained and handed over to the teacher on request.</p>
3 AI-ASSISTED EDITING	<p>AI can be used to make improvements to the clarity or quality of student-created work to improve the final output, but no new content can be created using AI. It's not allowed to use AI to fully complete your assignment.</p> <p><u>AI can be used, but your original work with no AI content must be provided in an appendix.</u></p>	<p>AI disclosure is required. Include a statement declaring how AI was used in your final submission.</p> <p>A record of used prompts should be maintained and handed over to the teacher on request.</p>
4 AI TASK COMPLETION, HUMAN EVALUATION	<p>AI is used to complete certain elements of the task, with students providing discussion or commentary on the AI-generated content. This level requires critical engagement with AI-generated content and evaluating its output.</p> <p><u>You will use AI to complete specified tasks in your assessment. Any AI-created content must be cited.</u></p>	AI created content in your work must be referenced accordingly, using APA-citation. A prompt record should be maintained and can be requested by the teacher.
5 FULL AI	<p>AI should be used as a 'co-pilot' in order to meet the requirements of the assessment, allowing for a collaborative approach with AI and enhancing creativity.</p> <p><u>You may use AI throughout your assessment to support your own work. Depending on the teacher's decision, reference may be required.</u></p>	<p>The teacher can request to either not cite anything or cite AI-generated content using APA-citation.</p> <p>A prompt record should be maintained and can be requested by the teacher.</p>

Level 1: no AI

- Mathematics: assignments must be completed without any use of AI.
- Literary studies: a writing assignment must be completed under supervision, possibly without technology such as a laptop with internet access, to ensure the absence of AI-tools.
- Computer science: writing out functions in pseudo code on a whiteboard and discussing these to demonstrate fundamental knowledge.

Level 2: AI-assisted idea generation and structuring

- Law: if logged and cited properly, students can use GAI to explore topics for a research paper but must write the paper itself without AI assistance.
- Computer science: if logged and cited properly, students can use GAI to suggest frameworks best suited to a coding assignment, but need to do the coding by themselves.
- Public Administration: if logged and cited properly, students can use GAI to explore governance approaches but must create the actual analysis themselves.

Level 3: AI-assisted editing

- Social Sciences: if logged and cited properly, including the original copy: students can use GAI to refine language in essays and presentations for clarity.
- Physics: if logged and cited properly, including the original copy, students can use GAI for clarity and grammar assistance research while writing papers.

Level 4: AI task completion, human evaluation

- Data Science: If logged and cited properly, students can use GAI to generate datasets and simulate scenarios, after which they must evaluate reliability, relevance and potential biases in AI-generated data.
- Literature Studies: If logged and cited properly, students can use GAI to generate an essay. Students need to provide an in-depth analysis of the plot structure, character development and thematic elements, weighing them against traditional literary standards and cultural conventions.

- Philosophy: If logged and cited properly, GAI can be used to generate perspectives or arguments on a philosophical topic. Students need to critically disseminating the logic, coherence and ethical implications of the AI-generated position. In the final assignment, any AI generated bodies of text must be cited correctly, and the teacher might request a prompt log.

Level 5: Full AI

- Computer Science: students can solve problems with the assistance of GAI: functions may be partly or completely AI-generated. Teachers may require citation and/or a prompt log from students.
- Security Studies: students can used GAI for broader perspectives on security topics and can use AI generated text generated. Teachers may require citation and/or a prompt log from students.