

Assessment in the age of GenAI

Monika Theron
Media and Learning Association
Dissemination partner

Media & Learning



TaLAI Teaching and Learning
with Artificial Intelligence
in Higher Education



TaLAI project

Teaching and Learning with AI in Higher Education

(November 2023 – October 2026)



Goal

To lead the way in introducing innovative pedagogical approaches that integrate AI in higher education in an ethical way. It aims to empower both educators and students in developing AI literacy and competence.

Project team



Friedrich-Alexander-Universität
Erlangen-Nürnberg

Fachhochschule
Südwestfalen

University of Applied Sciences



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WEBSITE: <https://www.talaiproject.eu>

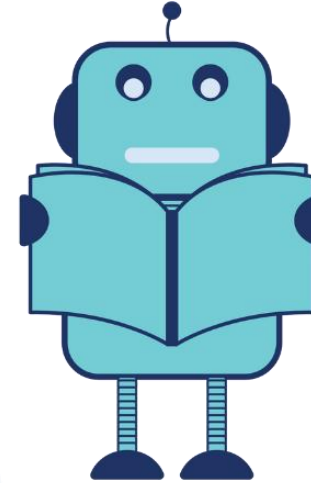
Why the TaLAI project?

Generative AI challenges:

- authorship,
- originality and
- academic integrity

Assessment is most directly impacted.

Educators need evidence-based, ethical guidelines for fair and transparent assessment.



What are the main deliverables?

RESEARCH PHASE:



Literature review: Tillmanns et al., 2024
*Mapping Tomorrow's Teaching and Learning Spaces:
A Systematic Review on GenAI in Higher Education*



Survey: Rudra et al., 2025
*Use and Perception of Generative AI in Higher Education:
Insights from the ERASMUS+ Project 'Teaching and
Learning with Artificial Intelligence' (TaLAI)*

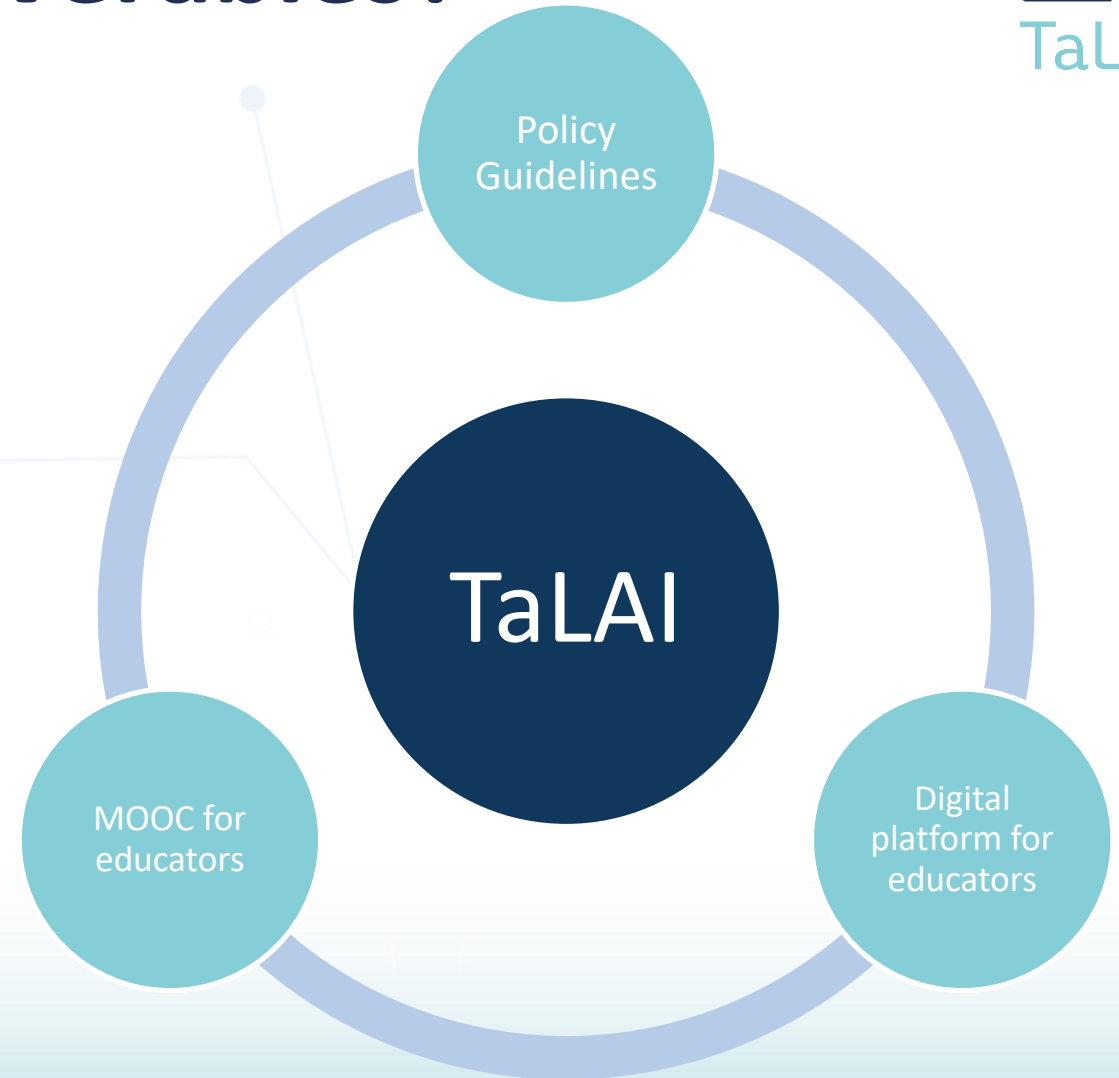
DESIGN PHASE:



Policy Guidelines: in prep
*Evidence-Informed Guidelines for Ethical Assessment with
Generative AI in Higher Education: From Systematic
Synthesis to Collaborative Guideline Development*



MOOC: in prep
*Free online course to educate on the ethical use of AI in
higher education*



Results

Policy makers' high-
level overview

Educators
Concrete practices

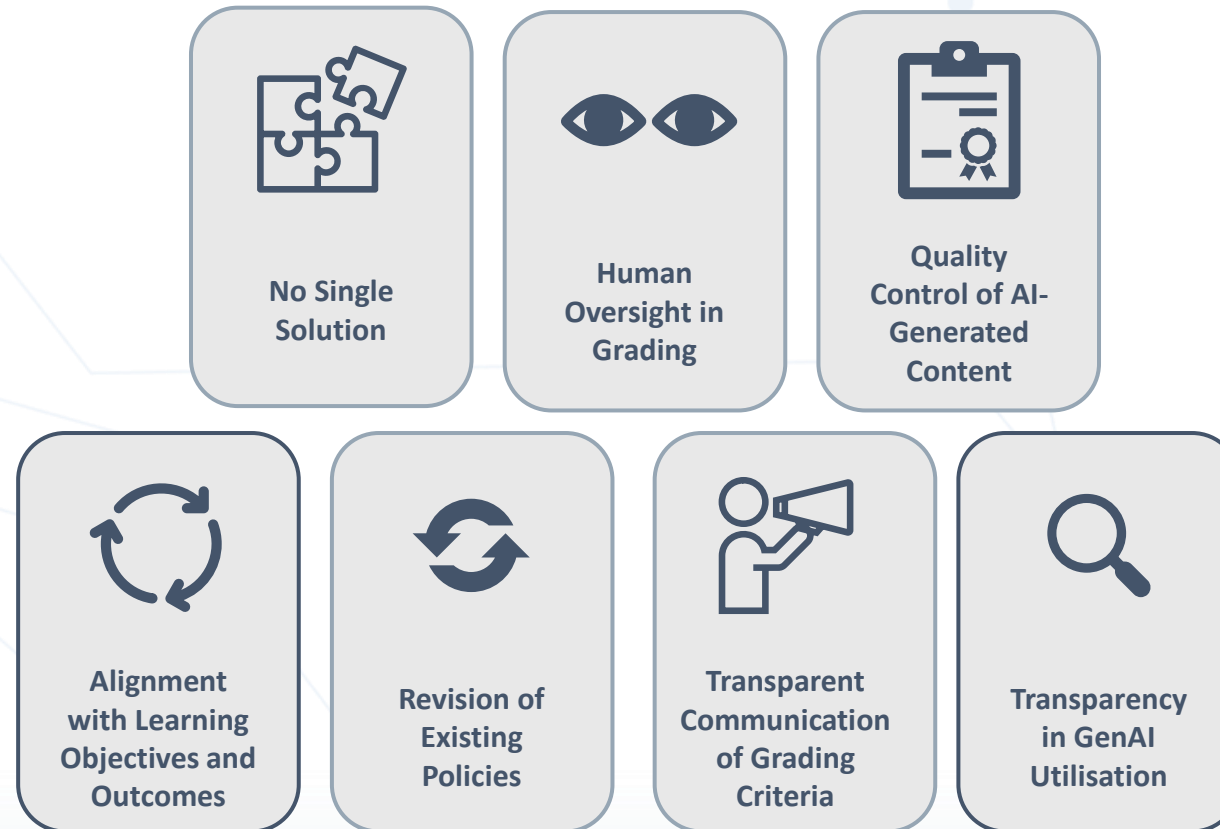
Condensed
Guidelines

Detailed
Guidelines



Core principles

7 Core Principles



Core principles

Core Principle 1



No single solution: Combine multiple assessment strategies suited to the subject, learning goals and policy context.

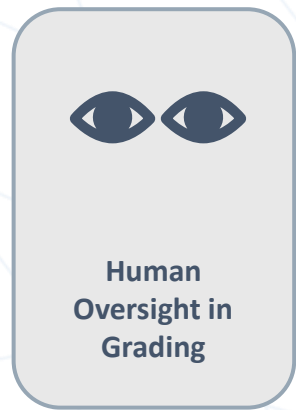


Which of your current assessments could you redesign to include more variety?



Core principles

Core Principle 2



Human oversight in grading: Ensure final grading decisions remain with educators, not AI systems.



Where do you think human judgment makes the biggest difference in your assessments?



Core principles

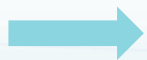
Core Principle 3



Quality
Control of AI-
Generated
Content

Quality control of AI-generated content: Critically review all AI-generated outputs for accuracy and relevance.

How do you verify the accuracy or originality of AI-generated student work?



Core principles

Core Principle 4



Alignment with learning objectives and outcomes:
Maintain clear links between AI-integrated assessments and defined learning objectives.

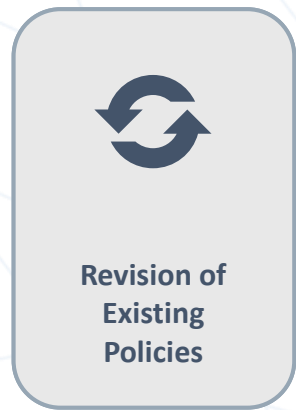


Do your current assessments still measure the intended learning outcomes in an AI-rich context?



Core principles

Core Principle 5



Revision of existing policies: Update assessment policies to reflect ethical, rigorous and consistent AI use.



Which institutional rule or policy would need updating to reflect AI use in assessment?



Core principles

Core Principle 6



Transparent
Communication
of Grading
Criteria

Transparent communication of grading criteria: Clearly communicate rubrics, expectations and the role of AI to students.

How clearly do you explain your marking criteria — and where AI use is acceptable or not?

An icon showing three groups of people, each group represented by three small circles (heads) and a larger circle (table), suggesting a meeting or discussion.

Core principles

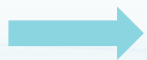
Core Principle 7



Transparency in GenAI use: Inform students about when and how GenAI tools are applied, including their limits and purpose.

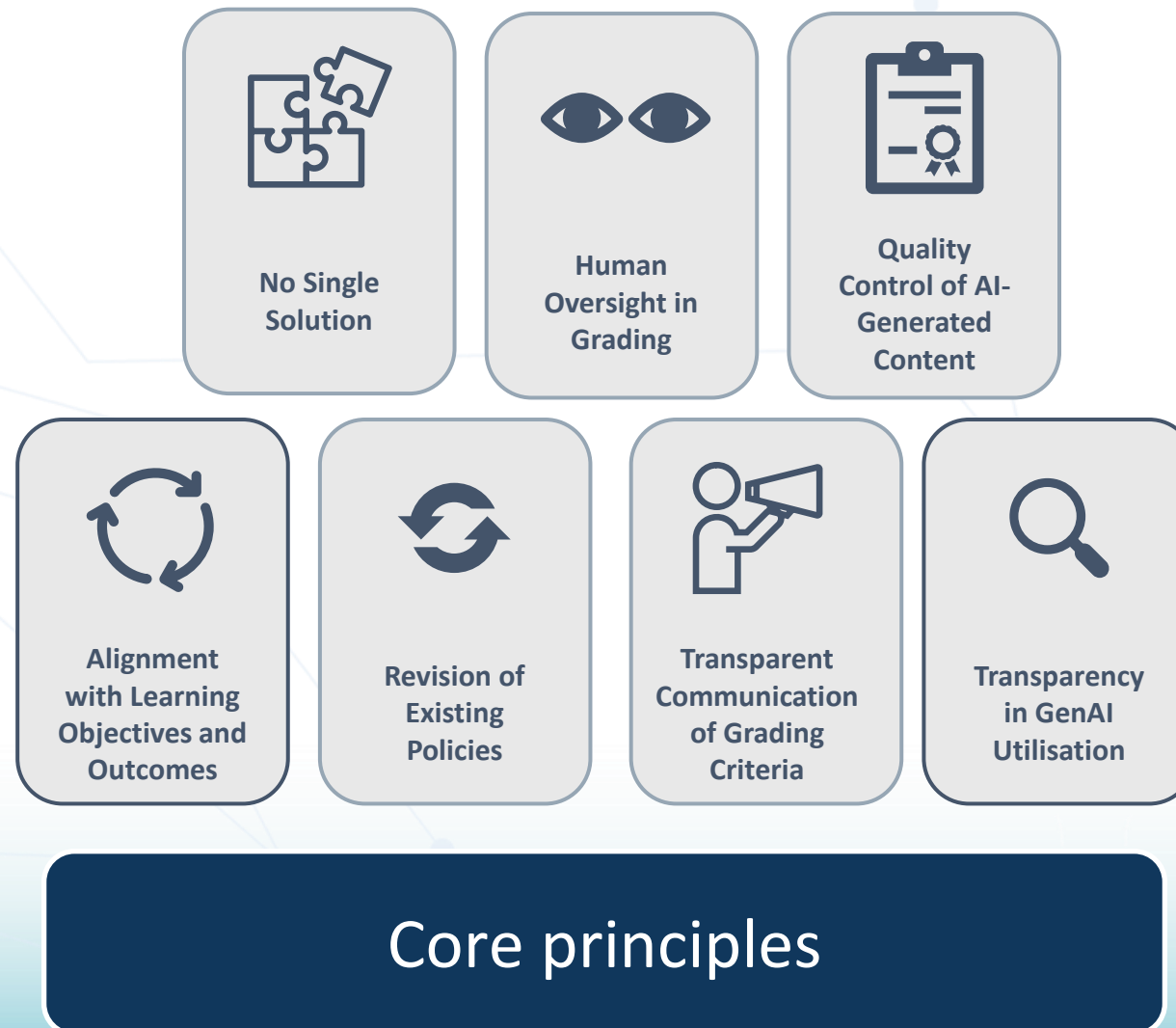


How could you show students your own approach to using AI tools ethically?



Core principles

Which one would be the hardest to apply in your institution?



Condensed Guidelines



Design flexible, transparent and innovative assessments



Focus on formative, authentic and competence-oriented evaluation



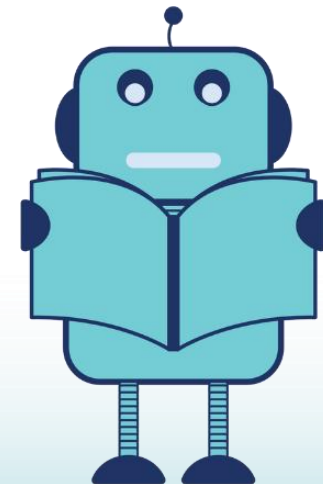
Emphasise self-reflection, constructive feedback and academic integrity



Diversify assessment formats to enhance engagement and integrity

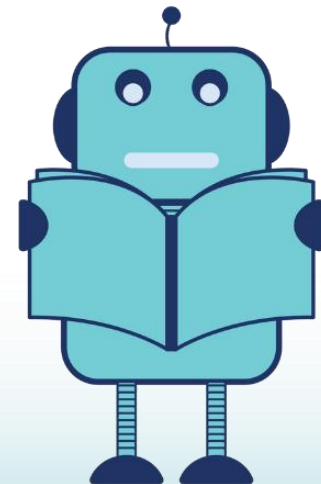


Integrate GenAI supportively while safeguarding academic standards



14 Detailed Guidelines

1. Provide clear yet flexible assignment guidelines encouraging critical thinking.
2. Model transparency and accountability in the use of GenAI.
3. Encourage innovative, diverse, and holistic teaching and assessment methods.
4. Focus on formative, process-based, and authentic assessments with self-reflection.
5. Redesign tasks to foster creativity, critical thinking, and real-world relevance.
6. Adopt competence-oriented and growth-focused grading approaches.
7. Prioritise constructive feedback and reflective learning.
8. Support academic integrity and originality in GenAI-assisted work.
9. Evaluate based on quality, accuracy, and critical depth.
10. Develop mechanisms to ensure academic honesty.
11. Use varied formats—presentations, videos, digital projects, and oral tasks.
12. Apply oral or handwritten assessments when integrity risks are high.
13. Use GenAI for formative support and effort tracking.
14. Combine traditional and AI-based methods to enrich evaluation.



Looking Ahead

- Guidelines are living documents, adaptable across disciplines.
- Continuous dialogue & institutional strategy are essential.

Let's explore how AI can make assessment more authentic and fair – together.

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