

Appendix A

Artificial Intelligence Literacy (AIL) Scale (Final Version)

UNDERSTAND

(Know and understand the basic functions of AI tools to support learning.)

1.	I have a clear understanding of the definition of AI, its scope, concepts, techniques, and foundational knowledge of AI algorithms.
2.	I understand how to formulate effective prompts for Generative AI (GenAI) tools to explore and deepen my understanding of complex concepts.
3.	I comprehend the function of AI-based note-taking tools in accurately capturing, organizing, and reflecting on key information.
4.	I recognize how Generative AI can support ideation by generating diverse perspectives and initial concepts for creative and academic projects.
5.	I understand how to use AI tools for mind mapping and thematic organization to enhance clarity and structure in my thinking.
6.	I am aware of AI-assisted writing tools to refine my grammar and writing conventions, understanding how these tools support linguistic accuracy and coherence.
7.	I am familiar of AI tools to interact with reading materials—summarizing, synthesizing, and analyzing content—to support comprehension and critical analysis.
8.	I understand the collaborative functions of AI tools in facilitating peer interaction, idea sharing, planning, and dynamic concept visualization.
9.	I hold an understanding of AI functionality to design professional-quality presentations and craft relevant bios for various purposes.
10.	I know about the capabilities of Generative AI in image creation, recognizing how visual outputs can be tailored to support specific learning tasks.

USE AND APPLY AI

(Applying AI knowledge, concepts and applications to support learning.)

1.	I use Generative AI tools to review and synthesize information about teaching-learning.
2.	I utilize Generative AI tools to explore and gather information on a wide range of teaching methodologies, both traditional and contemporary, to enhance my instructional strategies and adapt to diverse learning needs.
3.	I engage in exercises where I use AI tools to tackle specific problems, which helps me develop analytical thinking and apply technology to create practical solutions in my work as a future educator.
4.	I engage in exercises where I use AI tools to analyze data and identify trends.
5.	I use AI tools for data analysis tasks, learning how to handle, process, and draw conclusions from large datasets.

EVALUATION

(Evaluating AI-generated content enabling higher-order thinking skills development.)

1.	I critically assess the accuracy and credibility of AI-generated content against reliable sources.
2.	I analyze the logical coherence and relevance of AI outputs in relation to the task or problem at hand.
3.	I evaluate AI-generated arguments or ideas, identifying biases, assumptions, and limitations.
4.	I synthesize insights from AI content with my own knowledge to develop deeper interpretations or alternative perspectives.
5.	I reflect on the contextual implications of using AI-generated content in academic or real-world scenarios.

AI ETHICS

(Comprehending the moral and ethical consequences of AI and making informed decisions regarding its use in various contexts)

1.	I understand the clear policies regarding AI use in assessments, learning when and how AI can assist with idea generation and writing.
2.	I recognize potential ethical issues such as bias, privacy, and misinformation in AI-generated content.
3.	I reflect on the responsible use of AI, ensuring it aligns with ethical standards and community values.
4.	I make informed choices about using AI based on its potential risks and benefits in specific contexts.