



Artificial Intelligence Literacy

A Faculty Guide

AI Literacy Defined

“the ability to understand, use, monitor, and critically reflect on AI applications without necessarily being able to develop AI models themselves”
(Laupichler et al., 2023).

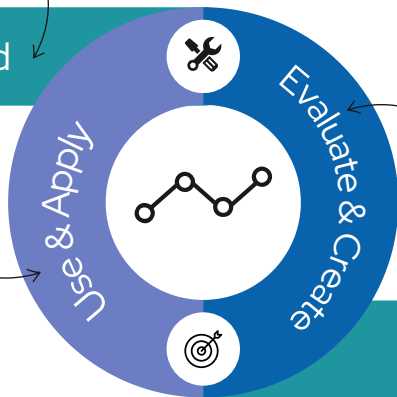
AI Literacy Module

Penn State’s Canvas Module on AI Literacy is student-focused and can be imported into any course. It covers prompting methods, ethics, evaluation strategies and other related topics.

Learn and practice the basic functions of AI

Understand

Apply AI knowledge in different scenarios



Evaluate the accuracy of AI output and create with AI applications

Ethics

Consider privacy, fairness, accountability, safety

AI Literacy Aspects

To learn more, read [Ng et al. \(2021\)](#).

Assignment Example

Students conduct a debate on Creationism and Evolution with ChatGPT. They choose a position and gather research to support their argument.

1

Students **understand** the basic functions of an AI application and prompt engineering.

Students consider the **ethics** of information privacy before entering information into ChatGPT.

2

Students **apply** understanding by prompting ChatGPT to assume the opposite position.

Students discuss the evidence for their argument with ChatGPT.

3

Students **evaluate** the information that ChatGPT uses to counter their argument and fact check the sources.

Students compare the two arguments to decide: Are the arguments reasonable and supported by scientific evidence, intelligent design, or other information?

4

Students consider the **ethics** of accuracy and fairness in how ChatGPT presented its argument.

Adapted from an assignment by Dr. Emily Blanke, Assistant Teaching Professor in Biology at Penn State York