

# COURSE DETAIL

## INTRODUCTION TO AI AS PRACTICAL TOOLS

**Country**

Korea, South

**Host Institution**

Yonsei University

**Program(s)**

Yonsei University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Psychology

**UCEAP Course Number**

127

**UCEAP Course Suffix****UCEAP Official Title**

INTRODUCTION TO AI AS PRACTICAL TOOLS

**UCEAP Transcript Title**

AI: PRACTICAL TOOLS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## **Course Description**

This course provides students with an opportunity to become a sophisticated, critical, and creative user of generative artificial intelligence (GenAI).

Through this course students gain a practical mastery of current AI tools, but are also challenged and prepared to move beyond basic AI use to develop skills in prompt engineering, tool comparison, and critical output evaluation and to design and implement effective AI-powered workflows to solve complex academic and professional tasks related to research, writing, data analysis, and communication.

Students also critically analyze the ethical responsibilities of AI use (bias, privacy, integrity) and articulate the broader philosophical implications for your work, your mind, and your identity.

Topics include Introduction to the course's Syllabus and lab-based philosophy; What is Generative AI?; Understanding our own "mental models" of AI; The principles of effective prompt engineering; The landscape of major LLMs (open vs. closed source); Retrieval-Augmented Generation (RAG) as a tool against hallucination; Overview of specialized AI tools for academic reading and writing; AI capabilities beyond text: Vision, Voice, and Code; Integrating multiple AI tools into a single workflow; Understanding AI "agents," APIs, and the role of local LLMs; The FOCUS Method for AI-assisted research; Finding and organizing information effectively; AI as a writing partner and coding assistant; Ethical considerations in AI-assisted writing; Designing AI-powered workflows for personal productivity, email management, and lifelong learning; Key limitations of AI (bias, privacy, hallucinations); Principles of ethical AI use; University policies on academic integrity; The broader societal impact of AI on science, equity, and the future of work; and The nature of intelligence, creativity, and consciousness in the age of AI.

## **Language(s) of Instruction**

English

**Host Institution Course Number**

PSY3172

**Host Institution Course Title**

INTRODUCTION TO AI AS PRACTICAL TOOLS

**Host Institution Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department****Course Last Reviewed**

2025-2026

[Print](#)