

AMC6500D – Generative AI and Art (3 credits) (Winter 2025/26)

Full description of the course and rationale of introducing this course

The course Generative AI and Art equips students to create and experiment with generative AI systems and to analyse their practical and ethical implications in artistic practice. Generative AI technologies such as Large Language Models (LLMs) and Latent Diffusion Models (LDMs), and generative AI tools such as ChatGPT and MidJourney, can generate novel, creative and often human-like artistic content. This course explores how generative AI transforms artistic expression and production, and how we can employ these new capabilities to create innovative artworks, installations, and new modes of artistic collaboration such as Human-AI symbiosis and Human-AI Co-Creativity.

Course Intended Learning Outcomes

On successful completion of the course, **students will be able to:**

CILO-1	Learn how generative AI transforms artistic expression and production, and explore ways to harness its emerging capabilities for creating innovative artworks, installations, and novel modes of human–AI co-creativity.
CILO-2	Prototype feasible and inspiring generative AI artworks or art-related systems.
CILO-3	Analyse the implications of generative AI for artistic practice and art theory.

Planned teaching activities and assessment weightings

Individual Exam	20%
Group Work Report	70%
Weekly Quizzes	
Weekly Exercises	10%

Instructor(s) and contact of the instructor(s)

Pan WANG P.Wang-2@tudelft.nl

Course Outline*

Week	Topics	Briefly outline what this topic will cover	Indicate which course ILOs this topic is related to
1	Current Generative AI in Art Creation and Business	Introduction to current trends in AI-generated art and its emerging business models, as well as the ethical issues surrounding these developments.	CILO-1
2	Art Theory; Experimental, and Sci-Tech Arts	Study of art theories related to AI, including experimental and science-technology-based arts. Introduction to landmark exhibitions and influential artists in this field.	CILO-2
3	Generative AI Art tools	Exploration of current generative AI tools for artistic creation and their	CILO-2 & CILO-3

		potential to expand creative practices.	
4	Art Business and Human–AI Co-Creativity	Examination of Human–AI Co-Creativity theory and its real-world applications in art business and creative industries.	CILO-3

Student learning resources:

- Lectures and demonstrations.
- Student exercises with demonstrations and presentations.
- Reviews, critiques and discussions.
- Assigned readings.