JÖNKÖPING UNIVERSITY
School of Engineering

COURSE SYLLABUS

AI for Creativity, 7.5 credits

AI för kreativitet, 7.5 högskolepoäng

Course Code:	TACK16	Education Cycle:	First-cycle level
Confirmed:	Sep 01, 2025	Disciplinary domain:	Technology
Valid From:	Aug 31, 2026	Subject group:	Informatics/Computer and Systems Sciences
		Specialised in:	G1F First cycle, has less than 60 credits in first-cycle course/s as entry requirements
		Main field of study:	Informatics

Intended Learning Outcomes (ILO)

On completion of the course the student shall:

Knowledge and understanding

- display knowledge of AI key concepts, methods and historical development
- show familiarity with machine learning concepts and basic algorithms
- display knowledge of basic generative AI methods for design

Skills and abilities

- demonstrate the ability to use AI-based tools and techniques for design
- demonstrate the ability to use generative AI as part of the creative process

Judgement and approach

- demonstrate an understanding of how AI impacts creative processes in creative industries
- demonstrate the ability to evaluate the impact that AI-based support has on the creative process
- demonstrate the ability to explore the ethical and future implications of AI in the creative industries

Content

This course focuses on the application of AI for creativity, exploring how AI can transform the creative process. Students will engage with AI tools to enhance their design workflows, learning both the theoretical underpinnings and practical applications of AI. Through theoretical discussions, practical workshops, and a final hands-on project, students will learn to harness AI tools for creative problem-solving and design generation.

The course includes the following elements:

- Introduction to AI
- Applications of AI
- Ethics of AI
- Concept of creativity
- AI tools for design
- Generative AI tools

Type of instruction

Lectures, workshops, seminars and project work.

Language of instruction is English.

Entry requirements

General entry requirements and taken course in Visual Communication 7,5 credits (or the equivalent).

Examination and grades

The course is graded 5, 4, 3 or U.

Registration of examination:

Name of the Test	Value	Grading
Project [1]	3 credits	5/4/3/U
Assignment	2 credits	G/U
Seminar	2.5 credits	G/U

[1]Determines the final grade of the course, which is issued only when all course units have been passed.

Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.