

VU Generative AI (2023W)

The lectures take place on Thursdays from **13:00** to **15:00** in **EI 2 Pichelmayer HS (ETIT)**. Attendance in the tutorials is required.

Tutorials and Tests

- There will be seven homework assignments of varying complexity and effort.
- There will be two tests, see below.
- Weights for grade calculation: homework assignments 50%, each test 25%.

Grades

- 1 (“Very good”): $\geq 90\%$
- 2 (“Good”): $(76+2/3)\%$ to 90%
- 3 (“Satisfactory”): $(63+1/3)\%$ to $(76+2/3)\%$
- 4 (“Adequate”): 50% to $(63+1/3)\%$
- 5 (“Unsatisfactory”): $< 50\%$

Date	Lecture Topic	Homework	Submission	Test
12.10.2023	Pre-discussion	–	–	–
19.10.2023	Transformers	Homework 1	–	–
09.11.2023	The Algorithms behind ChatGPT	Homework 2	Homework 1	–
16.11.2023	Tooling I	Homework 3	Homework 2	–
23.11.2023	RL(HF) and PPO	Homework 3	Homework 2	–
30.11.2023	Tooling II	Homework 4	Homework 3	–
07.12.2023	Tooling III	Homework 5	Homework 4	Test 1
14.12.2023	Generative Music	–	–	–
21.12.2023	Prompt Engineering	Homework 5	–	–
11.01.2024	Knowledge Graphs	Homework 6	Homework 5	–
18.01.2024	Gen. AI in Recommender Systems	–	Homework 6	–
25.01.2024	AI Agora	–	–	Test 2

Changelog

- The lecture of 16.11.2023 and the related homework has been cancelled due to illness. There will be no replacement. The deadline for homework 2 has been extended by one week. The points for the homeworks will be scaled accordingly to lead to 50%.
- Homework 5 has been postponed by 2 weeks.