

Ralf Möller & Özgür L. Özçep

Kick-Off Intellectics MA

Winter term 25/26



Welcome to the Department of Philosophy Institute of Humanities-Centered Artificial Intelligence (CHAI)



philosophie.uni-hamburg.de



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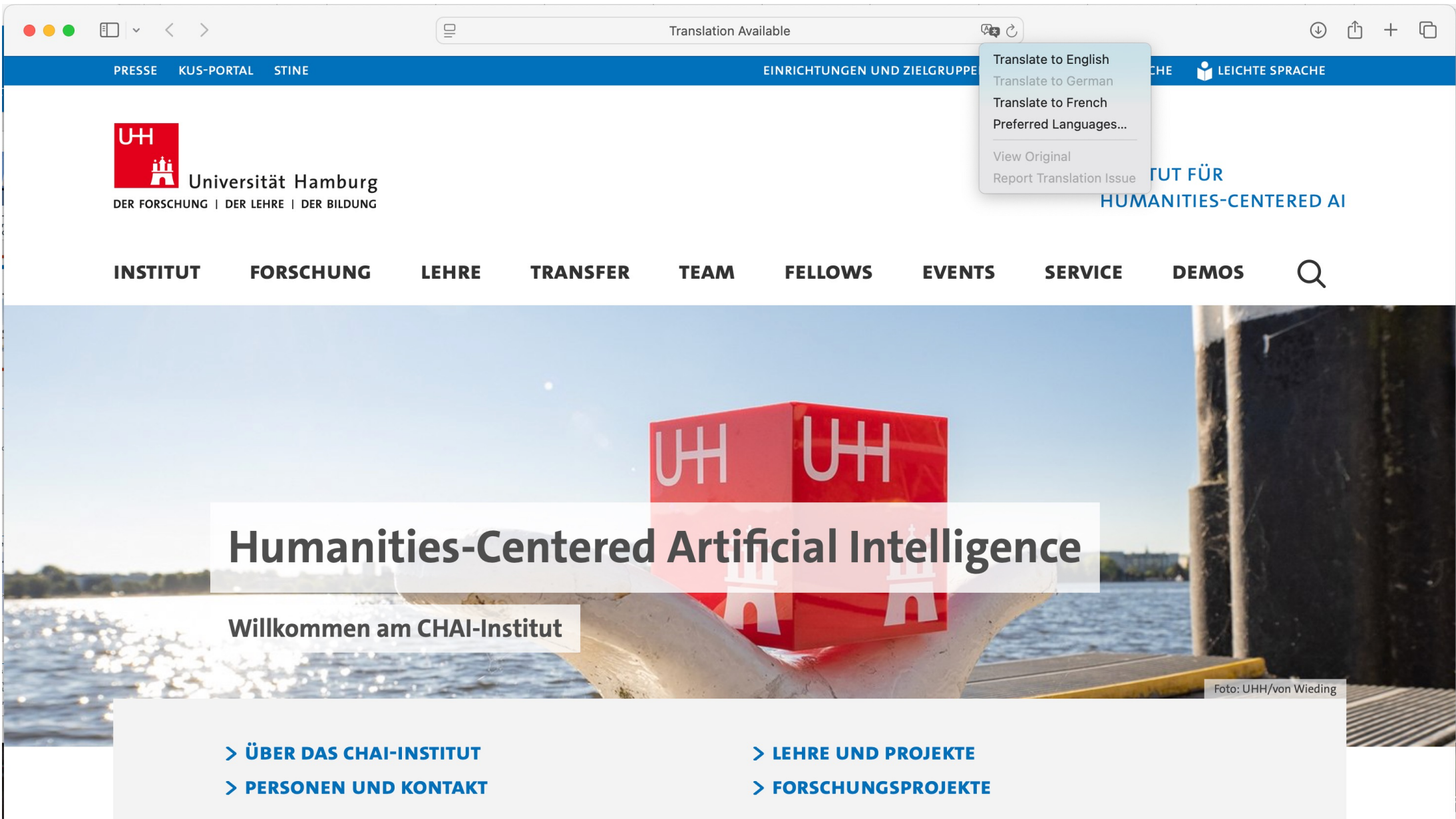
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Teaching materials

[Intellectics: The Science of AI](#)

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INTELLECTICS: THE SCIENCE OF AI

Aim

The aim of the research-oriented and fully English-language degree program “Intellectics: The Science of AI M.A.” is to provide students with a deep understanding of the fundamentals, approaches, methods and results in the science of artificial intelligence (AI) on the basis of the humanistic educational principle, as well as to promote a broad scientific understanding of the interaction of humans with systems that can perform non-trivial tasks for humans from different perspectives. Approaches are pursued that arise, for example, from relevant issues in the humanities and philosophy in particular.

▼ Alles einblenden

+ 1. Semester

Inhalt anzeigen

+ 2. Semester

+ 3. Semester

+ 4. Semester

Lehre

Lehrmaterialien

Intellectics: The Science of AI

Understanding Data and Machine Training

GenAI in Education, Science, and Society

Agents, Intellectics, and Logic

Perception: Natural Language Processing and Computer Vision

Planning and Decision Processes

Uncertainty, Causality, and Conditionals

Human-Compatible AI

Probabilistic Foundation Models

Social Mechanisms, Social Epistemology, and Formal Ethics





▼ Alles einblenden

1. Semester

Compulsory modules:

- [Understanding Data and Machine Training](#) (8 credit points)
- [GenAI in Education, Science, and Society](#) (8 credit points)
- [Agents, Intellectics, and Logic](#) (8 credit points)

Proposed elective modules:

- [Databases](#) (6 credit points)
- [Issues in the Ethics and Epistemology of AI](#) (4 credit points)

Alternatively students can select elective modules from computer science, philosophy, and other topics. A detailed description follows.

+ 2. Semester

+ 3. Semester

+ 4. Semester

Perception: Natural Language Processing and Computer Vision

Planning and Decision Processes

Uncertainty, Causality, and Conditionals

Human-Compatible AI

Probabilistic Foundation Models

Social Mechanisms, Social Epistemology, and Formal Ethics

Databases

Algorithmics

Expressivity, Complexity, and Computability

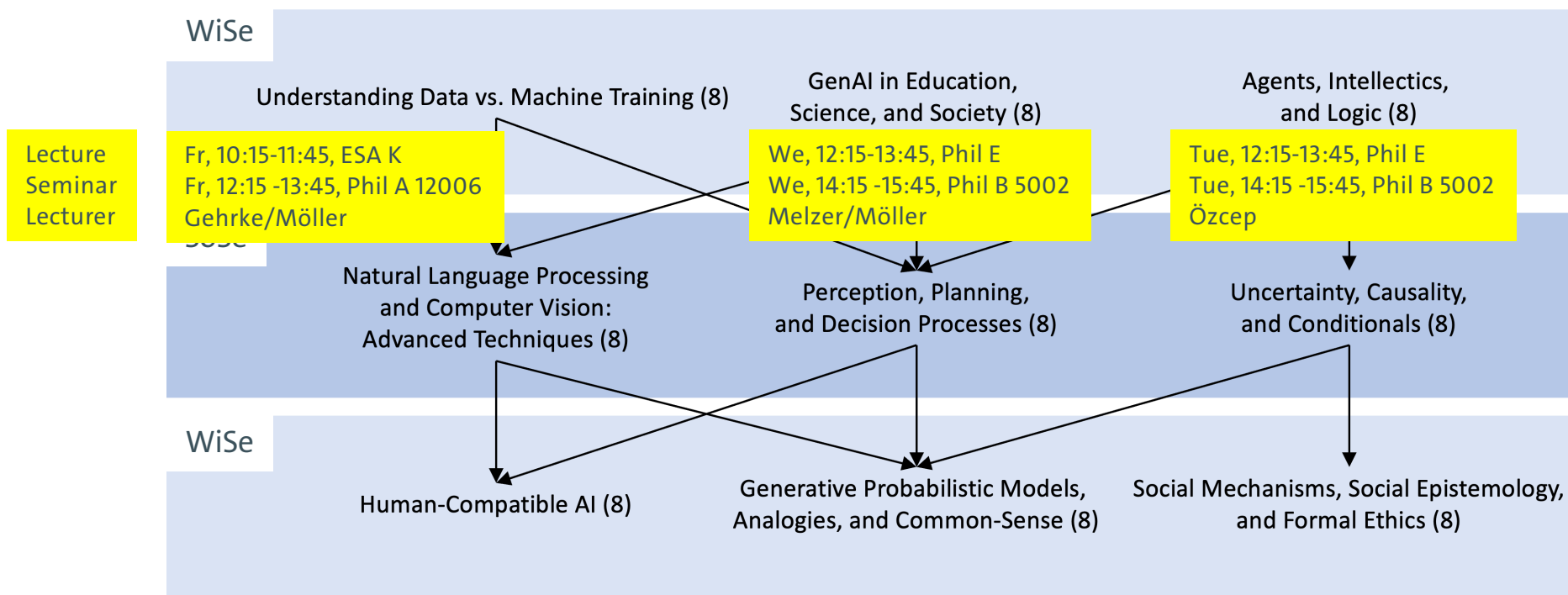


Agenda

- Intellectics courses
- Course sites
- Other sites: Library, mensa, regional data center (RRZ)
- Intellectics study concept
- STINE: Study-Infonet
- Questions

Intellectics programme: Mandatory courses

Start next week (14/10/25)



And you have electives of 6 CTS

- For example (and recommended - 55-04.261.600 Databases (Lecture + Seminar, 6 CTS, Möller)
- Thursdays 13-16
- CHAI Institute, Warburgstraße 28, Rm 4007

Information on Courses

- Will be provided within Stine
(see slides of the academic office at the end of this presentation)
- And course-associated Moodle websites
 - For instance:
 - <https://lernen.min.uni-hamburg.de/course/view.php?id=5808>

PROF. DR. RER. NAT. HABIL. RALF MÖLLER

Professor für Artificial Intelligence in Humanities

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Who is who
of this term's
the lecturers

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Projektmitarbeiter, Externer Doktorand

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7/10/2025

Kick-Off Intellectics

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Course sites: CHAI

See also Campus-Navigator
<https://www.uni-hamburg.de/onTEAM/campus/>



CHAI Institute
Warburgstraße 28
20354 Hamburg
4th Floor
Rm 4007 (lab room)
<https://maps.app.goo.gl/zj1sQbFU7BzKnN4f8>

Course sites: also online in the beginning

- Due to visa problems, many students will arrive later
- So, we will stream the courses in the first weeks via Zoom
- Further information to follow

Course sites: Phil-Turm



Philosophenturm (Phil-Turm)
Von-Melle-Park 6
20146 Hamburg

- Lecture hall: Phil E (ground floor right wing)
- Seminar rooms
 - Phil A 12006 (12th floor, A-wing)
 - Phil B 5002 (entry via library in 2nd floor: there turn 2 x right to „internal“ lift to 5th floor)

Course sites: ESA K

TECHNISCHE DATEN FÜR HÖRSAAL K, ESA 1



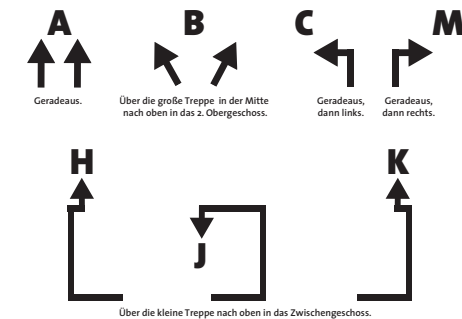
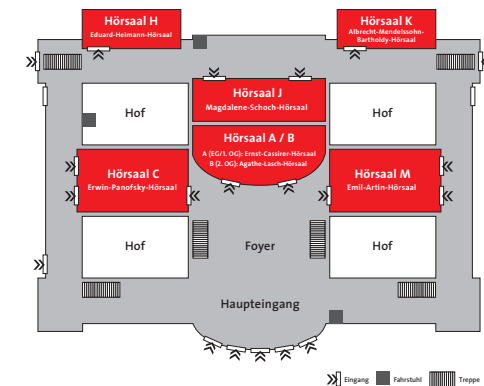
Name des Hörsaals: Albrecht-Mendelssohn-Bartholdy-Hörsaal, [Lageplan](#)

Anschrift: Edmund-Siemers-Allee 1, 20146 Hamburg

Anzahl der Plätze: 80

Zugänglichkeit für Körperbehinderte zugänglich über Fahrstuhl im Innenhof des Gebäudes

Lageplan der Hörsäle Hauptgebäude, Edmund-Siemers-Allee 1



Other sites: canteens

Mensa Blattwerk
(vegetarian)

Von-Melle-Park 5, 20146 Hamburg



Mensa Philturm

Von-Melle-Park 6, 20146 Hamburg
In Philturm



Mensa Studierendenhaus

Von-Melle-Park 2, 20146 Hamburg
(access e.g. via Schlüterstraße)

In building next to it: Schlüter's
(mainly for pizza)



Other sites: Libraries

Library of humanities
Von-Melle-Park 6, 20146 Hamburg
In Philturm (entry 2nd floor)



Staatsbibliothek (Stabi)
Carl von Ossietzky
Von-Melle-Park 3, 20146 Hamburg



Other sites: Operator/data center

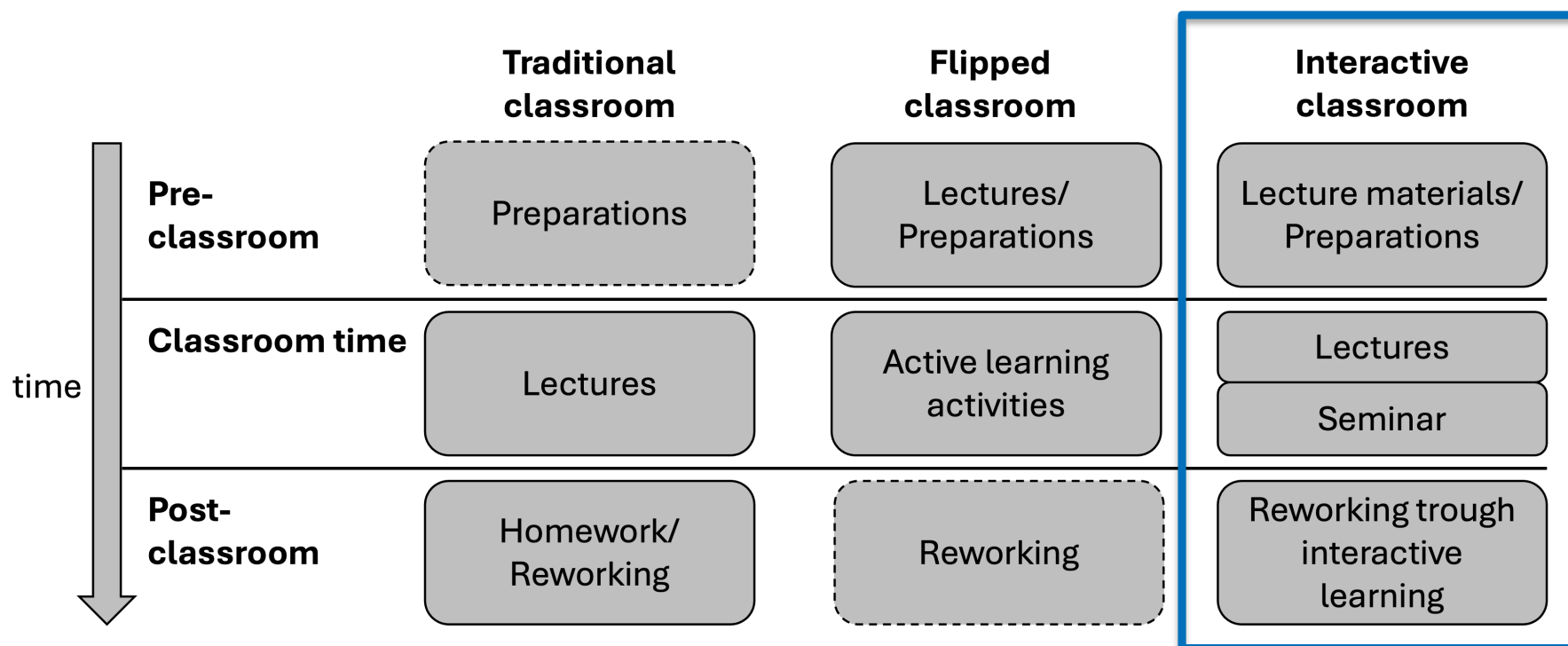
Regionales Rechenzentrum

<https://www.rrz.uni-hamburg.de/de.html>

Schlüterstraße 70, 20146 Hamburg

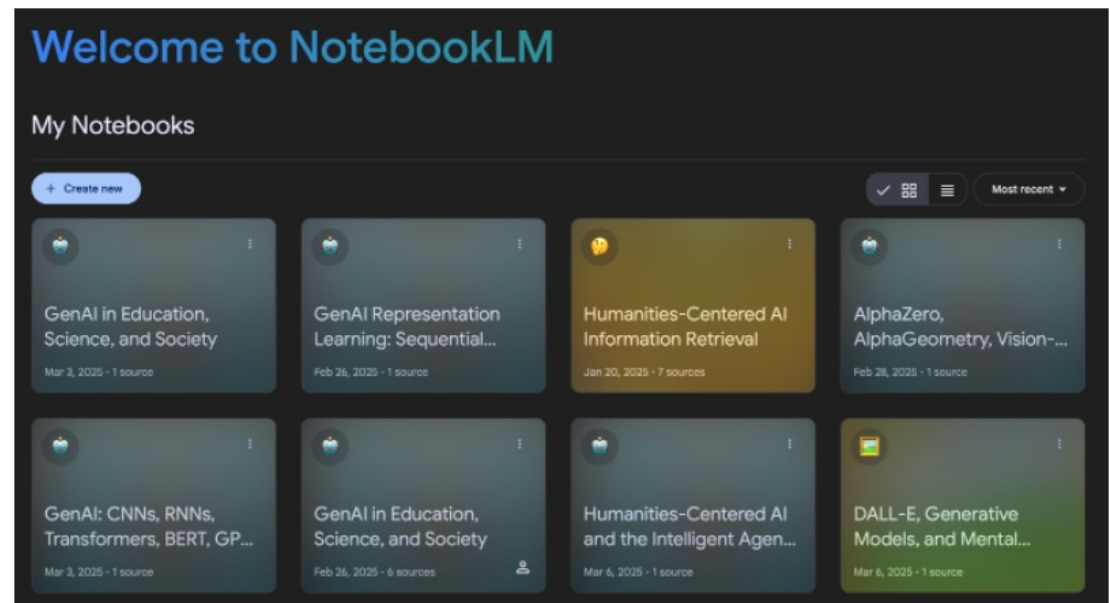


From Traditional to Flipped to Interactive Classroom



Interactive Learning with NotebookLM

- an experimental offering from Google Labs to create interactive podcasts and videos
- <https://notebooklm.google.com>





GenAI in Education, Science, and Society

Sources



+ Add source

Select all sources



01_GenAI_Organization+Intro.pdf



1) Uploading
the lecture files

Chat

2) Automatically
Generated Summarization



GenAI in Education, Science, and Society

1 source

The provided material outlines a lecture and seminar course titled "GenAI in Education, Science, and Society," detailing its **organization**, **learning objectives**, and a **comprehensive schedule** covering topics from foundational AI concepts to specific GenAI models and applications. It introduces **key AI concepts** like agents, perception, and action planning, further exploring the **challenges of AI control** with the "off-switch problem." The text then transitions to **Generative AI**, defining its capabilities and highlighting its current and potential impact across education, science, and society, concluding with suggested **seminar topics** for deeper exploration of these areas.

Save to note



Add note



Audio Overview



Mind Map

3) Chat with NotebookLM
about your lecture content

Start typing...

1 source



How does GenAI's functionality differentiate it from traditional AI within education, science, s



NotebookLM can be inaccurate; please double check its responses.

Studio

Audio Overview



GenAI in Education, Science, and Society



00:01 / 13:33

Interactive mode **BETA**

Notes

+ Add note

Study guide

Briefing doc

FAQ

Timeline

5) Be part of the podcast –
be interactive!



Join



Last but not least: Stine

▣ Slides of the academic office (Fügner/Hanssen)