

Human-Centered Large Language Models Design

Last Updated: Tue, 04/07/2026

Course prefix: CS

Course number: 8001

Section: OLM

CRN

56747

Instructor first name: Ana

Instructor last name: Rusch

Semester: Summer

Academic year: 2026

Catalog description:

As Large Language Model (LLM) technologies continue to advance in complexity, their application domains are increasingly broad. This seminar delves into the realm of LLMs, focusing on how we can apply key concepts of Human-Computer Interaction (HCI) to LLM research. Students will read both foundational and cutting-edge papers and participate in weekly discussions to further explore the topics of AI. We will explore how these topics can be applied to advancements in both industry and research settings. Topics include user-centered design of LLMs, ethics, and accessibility of AI, as well as topics related to student interests. Classes will cover theoretical foundations, as well as provide a practical framework for students to develop a comprehensive research proposal. Students will have the opportunity to explore their own interests as part of a course-long investigation of a novel application of AI.

Academic honesty/integrity statement:

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.