



DRL037 PhD course in Agentic AI – Fundamentals and Applications

- **Credits:** 5 ECTS
- **Time:** 24 to 28 August 2026
- **Place:** Molde University College
- **Application deadline:** 15 July 2026
- **Application form:** <https://nettskjema.no/a/630667>

Background

This course introduces the foundations of agentic AI systems for students and researchers from diverse disciplinary backgrounds.

Topics include agent architectures, reasoning mechanisms, multi-agent coordination, and domain-focused research applications (including, but not limited to, healthcare and logistics). The course presents conceptual foundations accessible across disciplines while emphasizing applied system design and experimentation. Students will explore both theoretical foundations and practical approaches to adapting agentic AI techniques to their own research and professional domains.

By the end of the course, participants will have a practical understanding of how to design, prototype, and evaluate AI agents and multi-agent systems within their own disciplinary and professional contexts.

More information can be found at:

<https://www.himolde.no/english/studies/courses/log/2026/autumn/drl037.html>

Practicalities

- **Deadline for application is 15 July 2026**
- **Course Instructors:**
 - **Jules White**, Professor of Computer Science, Professor of Biomedical Informatics, School of Engineering, Vanderbilt University, USA
 - **Allen Karns**, Chief AI Officer of Vanderbilt Generative AI Innovation Center, School of Engineering, Vanderbilt University, USA
 - **Endre Grøvik**, Head of Research and Education at HMR (Møre and Romsdal Hospital Trust), Former Researcher at Stanford and Associate Professor of Physics at NTNU, Norway
- **Contact persons:**
 - [Professor Swati Aggarwal, Molde University College](#)
 - [Professor Bjørn Jæger, Molde University College](#)

