Advanced Topics in Deep Learning (Master)

every

(in German: Advanced Topics in Deep Learning (Master))

Module-ID: FIN-INF-120496

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
ATDL	6	every	starting at 1.	1 Semester	english	Master

Link:	LSF
Limited accessability:	
Responsibility:	Sebastian Stober
Lecturer:	Sebastian Stober
Classes:	*Advanced Topics in Deep Learning*
Applicability in curriculum:	- M.Sc. INF: Informatik - M.Sc. INGINF: Informatik - M.Sc. WIF: Informatik - M.Sc. DKE: Learning Methods and Models for Data Science - M.Sc. DKE: Data Processing for Data Science - M.Sc. DKE: Applied Data Science - M.Sc. DE: Methoden der Informatik - M.Sc. VC: Computer Science

Intended learning outcomes:
Students ...

- can read and analyze current research papers
- apply deep learning to an application domain

- gain in-depth knowledge In the application domain
- learn to work efficiently in a team on scientific problems
- learn to work on a server infrastructure
- present scientific results in a written and oral form

Content:

- Current topics from deep learning research
- Create domain-specific deep learning pipelines
- The application domain will be announced beforehand

Workload:

- 30h in person
- 150h self-study

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
	• Hausarbeit • Mündliche Prüfung	Vorlesung/Seminar (2 SWS)

Prerequisites according to examination regulations:	Recommended prerequisites:
none	Introduction to Deep Learning

Media:	Literature:

Comments:

Revision #1
Created 2026-10-20 17:07:22 UTC by Fakultät für Informatik
Updated 2026-10-20 17:07:22 UTC by Fakultät für Informatik