Advanced Topics in Deep Learning (Bachelor)

every

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

Module-ID: FIN-INF-110502

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
ATDL	5	every	starting at 1.	1 Semester	english	Bachelor

Link:	LSF
Limited accessability:	
Responsibility:	Sebastian Stober
Lecturer:	Sebastian Stober
Classes:	*Advanced Topics in Deep Learning*
Applicability in curriculum:	- B.Sc. INF: Informatik - Wahlpflicht - B.Sc. INF: Studienprofil: Künstliche Intelligenz - B.Sc. CV: Informatik - Wahlpflicht - B.Sc. INGINF: Informatik - Wahlpflicht - B.Sc. WIF: Gestalten und Anwenden - Wahlpflicht - B.Sc. INF (bilingual): Informatik - Wahlpflicht

Intended learning outcomes:
The students ...

- are able to read and analyze current research papers
- can apply deep learning to an application domain
- gain in-depth knowledge in an 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
- Creation of domain-specific deep learning pipelines
- The application domain will be announced beforehand

Workload:
30 contact hours + 120h self-study

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
	• Written report ("Hausarbeit") • Oral exam	Lecture/Seminar (2 SWS)

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

Media:	Literature:

Comments:

Revision #1
Created 2026-10-20 17:53:19 UTC by Fakultät für Informatik
Updated 2026-10-20 17:53:19 UTC by Fakultät für Informatik