Module INF-73-84-M-7

Very Deep Learning for Computer Vision (Projekt) (M, 8.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
INF-73-84-M-7	*Very Deep Learning for Computer Vision (Projekt)*	8.0 CP (240 h)

Basedata

CP, Effort	8.0 CP = 240 h
Position of the semester	1 Sem. irreg.
Level	[7] Master (Advanced)
Language	[EN] English
Module Manager	Stricker, Didier, Prof. Dr. (PROF | DEPT: INF) (/staff/534/)
Lecturers	Stricker, Didier, Prof. Dr. (PROF | DEPT: INF) (/staff/534/)
Area of study	[INF-KI] Intelligent Systems
Reference course of study	[INF-88.79-SG] M.Sc. Computer Science (/mhb/FB-INF/cos-536/)
Livecycle-State	[NORM] Active

Courses

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
4L	**INF-73-84-K-7** (/mhb/courses/INF-73-84-K-7/)	P	PRAES	PL1	8.0	irreg.

- About **[INF-73-84-K-7]** (/mhb/courses/INF-73-84-K-7/): Title: "Very Deep Learning for Computer Vision (Projekt)"; Presence-Time: 56 h; Self-Study: 184 h
- About **[INF-73-84-K-7]** (/mhb/courses/INF-73-84-K-7/): The study achievement **"[PRAES] presentation"** must be obtained.

Evaluation of grades

The module is not graded (only study achievements)..

Contents

From [INF-73-84-K-7] Very Deep Learning for Computer Vision (Projekt) (/mhb/courses/INF-73-84-K-7/):

- Advanced Convolutional Networks
- Bleeding-Edge Architectures (depending on the most recent publications in Deep Learning)
- Customized methods for specific applications (depending on the chosen task to work on)

Competencies / intended learning achievements

After successfully completing the module, students will be able to

- Possibly working in a team to solve a problem
- Get a deep understanding of one difficult task in computer vision and pattern recognition
- Find failure cases of existing deep learning methods
- Understand and implement advanced deep learning methods
- Presentation of the developed algorithm

Requirements for attendance of the module (informal)

None

Requirements for attendance of the module (formal)

None

References to Module / Module Number [INF-73-84-M-7]

Course of Study	Section	Choice/Obligation
[INF-88.79-SG] M.Sc. Computer Science (/mhb/FB-INF/cos-536/)	[Specialisation] Specialization 1	[WP] Compulsory Elective