Scientific seminar (5171110)

Module name english	Scientific seminar					
Type of module	Pflichtmodul		**Responsible for module**		Prof. Dr. Magda Gregorová	
Lecturer	Prof. Dr. Magda Gregorová, Dr. Maryam Bagheri					
Language of instruction, L. of examination	Englisch		**Semester**		1	
SWS	4		**Teaching and learning formats**		Seminar	
ECTS-Credits	5		**Type of examination**		Portfolio	
Bonus benefits						
Workload	**Workload (Total)**	150	**Attendance time**	60	**Self-Study time (incl. exam preparation)**	90
Duration of module	1 Semester		**Frequency**		ME/OE	
Type of grading	ME/OE		**Verwendbarkeit**		Artificial Intelligence	
Conditions for participation	None					
Recommended prerequisites						
Module's learning outcomes	Upon completion of the seminar students: • can write English academic texts on AI topics taking into account the expected format (using appropriate mathematical typographical software - LaTex), structure, and the target audience; can adapt the language and visual support accordingly (article vs. presentation, etc.). • understand the importance of good academic conduct, the boundaries and consequences of plagiarism, and the benefits of open science, transparency and reproducibility, they can design their communication strategy accordingly (open access / open source, experimental documentation, etc.) • can conduct relevant literature search, analyze the quality of texts, can create and maintain a relevant bibliography in standard software tools and correctly reference previous work in their academic outputs • are aware of selected recent trends in AI research and main opportunities and challenges in transferring them to practical applications • can critically analyse academic text and provide constructive feedback, can interact with senior researchers in an informed discussion					
Module content	Practical research and scientific work skills and principles of good scientific conduct. • Academic writing on AI topics in English (for non-native speakers) - Standard structure of academic texts – theses, technical reports, research articles, academic CV - Specific grammar features and word choices of English academic text and common pitfalls for non-native speakers - Good conduct in academic writing (citations, acknowledgments, plagiarism), open science, transparency, reproducibility - Literature review (dblp, google scholar, journals and conferences, predatory publishers) - Visual support of technical text (visual display of quantitative data, visual communication), academic presentations and poster design - Analysis of academic text, critical evaluation, peerreview process and principles • Academic and research support software tools and bibliography systems (Zotero, Mendeley, …) - Academic talk structure, audience targeting, academic exchange of knowledge and experience, constructive feedback and academic research discussion					
Literature	To be defined in seminar					