Study plan 2023 Master Research on Teaching and Learning

Sem.	Modules							ECTS per Sem.
1. (WS)	**COMPULSORY MODULES**				**ELECTIVE MODULES A**			
	Module 1, ED0223 (P: exam) **"Introduction to Methods in Teaching and Learning Science"**	**Module 3, ED0232** (SL: presentation) **"Writing and Presentation Skills"**	**Module 4, ED0224** (P: presentation) **"Institutions in the International Context of Educational Systems"**	**Module 5.1, ED0225** **"Models and Theoretical Conceptions of Teaching and Learning Research"**	**Module 2, ED031** (SL: portfolio) **"Reading and Administration of Literature"** **5 ECTS**	**Module 19, ED0384** (SL: project report) **"Active Learning"** **5 ECTS**	**Module SOT10030** (SL: written or oral exam) **Gaze-based Human-Computer Interaction** **6 ECTS**	
	Lecture "Introduction to quantitative methods"	Seminar "Basic scientific writing"	Seminar "Organization and Management in educational systems"	Seminar "Models and theoretical conceptions of teaching and learning research"	Seminar "Active reading strategy"	Seminar "Active learning"	Lecture with exercise course "Gaze-based Human-Computer Interaction"	
	Exercise course "Introduction to quantitative methods"	Seminar "Presentation skills"	Seminar "Educational systems and achievement"	Seminar "Qualitative and quantitative research methods of classroom research"	Seminar "Literature administration and knowledge organization"			
			Seminar "Researching educational systems/project seminar"		**Module SOT10032** (SL: presentation) **Tangible Computational Design for Learning** **3 ECTS**	**Module SOT10051** (SL:Presentation) **Introduction to Python** **3 ECTS**	**Module SOT10034** (SL: presentation) **"Hackathon: AI Ethics Literacy in Educational Technologies"** **3 CTS**	
					Seminar "Tangible Computational Design for Learning"	Lecture with exercise course "Introduction to Python"	Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"	

					Module SOT10045 (SL:Portfolio) **Introduction to Educational Technology and Learning Analytics"**	Module SOT10055 (SL: project work) **Learning Analytics: RTL Specialization 5 ECTS**		
					Seminar "Introduction to Educational Technology and Learning Analytics"	Seminar "Learning Analytics: RTL Specialization"		
	5	5	10		5/3	5/3	6/3	20-25
2. (SS)			COMPULSORY MODULES			ELECTIVE MODULES A		
	Modul 6, ED0226 (P: exam) **"Advanced Methods in Teaching and Learning Science"**	**Modul 7, ED0227** (P: essay) **"Educational Institutions and their Quality Development"**	**Modul 8, ED0228** (P: presentation) **"Teaching and Learning Processes in Classrooms and Instructional Design"**	**Modul 5.2, ED0225** (P: project report) **"Models and Theoretical Conceptions of Teaching and Learning Research"**	**Module ED0416** (SL: portfolio) **"Doing Research with the Software R"**			
	Lecture "Test theory and advanced methods in teaching and learning science"	Seminar "Basics of quality development and quality assurance"	Seminar "Introduction to teaching and learning processes in classrooms and instructional design"	Seminar "Planning and implementation of research works in classroom research I"				
	Exercise course "Test theory and advanced methods in teaching and learning science"	Seminar "Quality development by professionalization"	Seminar "Planning and evaluating educational research"		Seminar "Data analysis in R:"			
		Seminar "Quality assurance by evaluation"	Seminar "Planning and implementation of research works in classroom research II"					
	5	10	10	10	5			33-40
3. (WS)	COMPULSORY MODULES		ELECTIVE MODULES INTERNSHIP		ELECTIVE MODULES B			
	Module 9, ED0229 (P: presentation) **"Educational Processes and Outcomes"**	**Module 13, ED0230** (P: presentation) **"Research on Teaching and**	**Module 14, ED236** (SL: report) **"Research Internship"**	**Module 15, ED0237** (SL: report) **"Internship in**	**Modul 10, ED0233** (SL: portfolio) **"Analysis of Variance" 5ECTS**	**Modul 11, ED0234** (SL: portfolio) **"Video Analysis" 5ECTS**	**Modul 12, ED0235** (SL: portfolio) **"Analysis of Interview Data, Learning Journals**	

	Learning: Specialization"		Educational Institutions"				and Portfolios" 5ECTS	
	Seminar "Development of research instruments"	Seminar „Selected Isssues in Educational Research"	internship (3 weeks, 5 ECTS)	internship (3 weeks, 5 ECTS)	Seminar "Scientific writing"	Seminar "Scientific writing"	Seminar "Scientific writing"	
					Seminar "Analysis of variance procedures"	Seminar "Video analysis"	Seminar "Analysis of interview data, learning journals and portfolios"	
	Exercise course "Conducting assessments in different modalities"		**Module 16, ED035** (SL: report) **"Extended Research Internship"**	**Modul 17, ED0356** (SL: report) **"Extended Internship in Educational Institutions"**	**Module SOT10030** (SL: written or oral exam) **Gaze-based Human-Computer Interaction 6ECTS**		**Module SOT10032** (SL: presentation) **Tangible Computational Design for Learning 3 ECTS**	
			internship (6 weeks, 10 ECTS)	internship (6 weeks, 10 ECTS)	Lecture with exercise course "Gaze-based Human-Computer Interaction"		Seminar "Tangible Computational Design for Learning"	
					Module SOT10055 (SL: project work) **Learning Analytics: RTL Specialization 5 ECTS**			
					Seminar "Learning Analytics: RTL Specialization"			
	10	5	10		6/5		3	30
4. (SS)	**Master's Thesis ED0353**							
	30							30
Graduation								**120**

Note*

1. P: graded module; SL: pass/fail credit requirement;
2. Students need 10 ECTS of elective modules (two modules). One from elective group A, one from elective group B;
3. Students need 10 ECTS of internships.