

Master of Research on Teaching and Learning

Information about your start of the semester

Xin Xu

München, October 11, 2023



WELCOME TO MUNICH!





Welcome!

- The new TUM School of Social Sciences and Technology
- Previously TUM School of Education.
- First faculty in Germany for teacher training and education research

Information about TUM: <https://www.youtube.com/watch?v=iu6UboRqanI>

Today we will talk about ...

1. **Important contact people**
2. **Program overview**
 - a. Modules and seminars
 - b. Class expectations
3. **Your instructors**
4. **First semester schedule**
5. **University facilities (Library, Mensa)**
6. **Online Systems**
 - a. TUMonline – course registration
 - b. Moodle - course material
7. **Life in Munich**



1. Important contact people

Aptitude Assessment

Questions regarding application and enrollment process



Lisa Wiesmaier

eignungsverfahren@edu.tum.de

Tel.: +49 (89) 289 - 24241

Room: 117A

1. Important contact people

Student Advisors

All questions regarding the program contents and during the studies



Verena Euler



Julia Stahl

studienberatung.edu@sot.tum.de

Tel.: +49 (89) 289 - 24333, +49 (89) 289 - 24239

Room: 123

1. Important contact people

Examination Board

Issues with your study progress or with instructors



Prof. Dr. Anna Keune

Head of the

examination board

anna.keune@tum.de

Tel.: +49 (89) 289 - 29110



Lisa Wiesmaier

Secretary of the

examination board

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Tel.: +49 (89) 289 - 24241

Room: 117A



Verena Euler

Deputy of the examination board

verena.euler@tum.de

Tel.: +49 (89) 289 - 24333

Room: 123

1. Important contact people

Study coordination

Questions regarding your schedule



Monika Hanser

monika.hanser@tum.de

Tel.: +49 (89) 289 - 24281

Room: 121A

1. Important contact people

Examination office

Examination registration and registration for
the master's thesis



Helen Wermuth

prüfungsverwaltung@edu.tum.de

Tel.: +49 (89) 289 - 24393

Room:121

1. Important contact people

Student Representative



Annabel Wolf
annabel.wolf@tum.de



Hee Ju Hong
heeju.hong@tum.de

Student Representative at examination board

Questions regarding studies

1. Important contact people

Student Assistant/Coordinator of RTL



Xin Xu

Student Assistant of RTL

Organizing events, managing schedules

xin.xu@tum.de

1. Important contact people

Internships



Dr. Christian Kosel

Internship information, reports, registration for credits

christian.kosel@tum.de

Tel.: +49 (89) 289 - 25183

Room: 426

2. Program structure (I)

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
					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. Program structure (II)

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 "Quality assurance by evaluation"	Seminar "Planning and implementation of research works in classroom research II"		Seminar "Data analysis in R:"		
	5	10	10	10	5		33-40

2. Program structure (III)

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 Learning: Specialization"	Module 14, ED236 (SL: report) "Research Internship"	Module 15, ED0237 (SL: report) "Internship in Educational Institutions"	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 and Portfolios" 5ECTS	
	Seminar "Development of research instruments"	Seminar „Selected Issues in Educational Research"	internship (3 weeks, 5 ECTS)	internship (3 weeks, 5 ECTS)	Seminar "Scientific writing"	Seminar "Scientific writing"	Seminar "Scientific writing"	
	Exercise course "Conducting assessments in different modalities"				Seminar "Analysis of variance procedures"	Seminar "Video analysis"	Seminar "Analysis of interview data, learning journals and portfolios"	
			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
Graduation								120

Elective Modules

- 10 Credits total
 - 5 ECTS Elective Module A
 - 5 ECTS Elective Module B

Elective Module A Options:

- Active Learning – 5 ECTS **Hybrid**
- Active Reading Strategy – 5 ECTS
- Introduction to Python – 3 ECTS **Semester Break**

Elective Module A & B Options:

- Learning Analytics: RTL Specialization – 5 ECTS
- Tangible Computational Design for Learning – 3 ECTS **Semester Break**
- Gaze-based Human-Computer Interaction – 6 ECTS **Semester Break**

Study Progress Monitoring

In any case, students are required to meet the deadlines and thus comply with the standard duration of study of four semesters.

It is possible to exceed the standard duration (4 sem.) up to max. 2 semester.

According to § 38 FPSO and § 10 APSO

- a minimum of 30 Credits by the end of your third semester
 - a minimum of 60 Credits by the end of your fourth semester
 - a minimum of 90 Credits by the end of your fifth semester
 - 120 Credits by the end of your sixth semester (Graduation)
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- **Note:** one of the fundamental module examinations must be successfully completed by the end of the second term.

Please familiarize yourself with these regulations:



The [APSO](#): General Academic and Examination Regulations applying to all study programs at the TUM

https://portal.mytum.de/archiv/kompendium_rechtsangelegenheiten/apso/aspo-3.pdf/file_view




The [Examination and Academic Regulations \(FPSO\)](#) and their [Amending Statutes](#) specify the regulations regarding admission, examinations and the course of studies.

<https://www.edu.tum.de/en/studium/fuer-studierende/studiengaenge/bildungswissenschaften/research-on-teaching-and-learning/academic-and-examination-regulations/>



3. Your instructors (I)

Sem.	Modules						ECTS per Sem.	
1. (WS)	Module 1, ED0223 (P: exam) "Introduction to Methods in Teaching and Learning Science"	Module 19, ED0384 (SL: project report) "Active Learning" 5 ECTS	Module SOT10030 (SL: written or oral exam) Gaze-based Human-Computer Interaction 6 ECTS		Module SOT10051 (SL: presentation) Introduction to Python 3 ECTS	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS		
	Lecture "Introduction to quantitative methods"	Seminar "Basic writing"	Lecture with exercise course "Gaze-based Human-Computer Interaction"		Seminar "Active learning"			
	Exercise course "Introduction to quantitative methods"	Seminar "Pres"		Seminar "Qualita quantita methods research"				
				"Researching educational"	"Tangible"			
				Prof. Aleksandra Poquet	3 ECTS			
					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

3. Your instructors (II)

Sem.	Modules						ECTS per Sem.
1. (WS)	COMPULSORY MODULES						
	Module 1, ED0223 (P: exam) "Introduction to Methods in Teaching and Learning Science"	Module 3, ED0232 (SL: presentation) "Writing and Presentation Skills"	Module 4, ED0233 (P: presentation) "Institutional Contexts of Educational Systems"	Module 5, ED0234 (SL: portfolio) "Reading Administrative Literature" 5 ECTS	Module 6, ED0235 (SL: presentation) "Introduction to Educational Research"	Module SOT10030 (SL: written or oral exam) Gaze-based Human-Computer Interaction 6 ECTS	
	Lecture "Introduction to quantitative methods"	Seminar "Basic scientific writing"	Seminar "Organizational Management in educational systems"	Seminar "Active strategies for reading administrative literature"	Seminar "Introduction to educational research"	Lecture with exercise course "Gaze-based Human-Computer Interaction"	
	Exercise course "Introduction to quantitative methods"	Seminar "Presentation skills"	Seminar "Educational systems and their achievement"	Seminar "Literature administration knowledge organization"	Seminar "Research in educational systems/seminar"		
		 Mr. Daniil Serko	 Dr. Paula Fischer				
		 Ms. Francesca Bonalumi	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	1	5/3	5/3	6/3	20-25

3. Your instructors (III)

Sem.	Modules						ECTS per Sem.	
1. (WS)	COMPULSORY MODULES			ELECTIVE MODULES A			20-25	
	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, ED0225 (P: presentation) "Modern Teaching and Learning"	Module 6, ED0226 (SL: presentation) "Active Learning"	Module 7, ED0227 (SL: presentation) "Introduction to Python"		Module 8, ED0228 (SL: presentation) "Ethics Literacy in Educational Technologies"
	Lecture "Introduction to quantitative methods"	Seminar "Basic scientific writing"	Seminar "Organization and Management in educational systems"	Seminar "Modern teaching and learning"	Seminar "Active Learning"			
	Exercise course "Introduction to quantitative methods"	Seminar "Presentation skills"	Seminar "Educational systems and achievement"	Seminar "Quantitative methods research"		Module 9, ED0229 (SL: presentation) "Introduction to Python"		
			Seminar "Researching educational systems/project seminar"			Module 10, ED0230 (SL: presentation) "Ethics Literacy in Educational Technologies"		
								
				Dr. Jessica Bodensteiner	Mr. Santiago Hurtado			
				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		


3. Your instructors (IV)

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 (SL: portf) "Reading Administr Literature" 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 re strategy"	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 "Literatur administr: knowledge organizati	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS	
			Seminar "Researching educational systems/project seminar"		Module SOT10045 (SL: prese) "Tangible Computational Design for Learning" 3 ECTS	Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"	
					Seminar "Tangible Computational Design for Learning"	course "Introduction to Python"	
					Module SOT10045 (SL:Portfolio) "Introduction to Educational Technology and Learning Analytics" 5 ECTS	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



Dr. Elisabeth Bauer

3. Your instructors (V)

Sem.	Modules						ECTS per Sem.			
1. (WS)	COMPULSORY MODULES						 <p>Dr. Lyn Lim</p>	20-25		
	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 2, ED031 (SL: portfolio) "Reading and Administration of Literature" 5 ECTS			5 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 reading strategy"			5 ECTS	
	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 "Literature administration and knowledge organization"			5 ECTS	
			Seminar "Researching educational systems/project seminar"							Module SOT10032 (SL: presentation) "Tangible Computational Design for Learning" 3 ECTS
					Seminar "Tangible Computational Design for Learning"	Lecture with exercise course "Introduction to Python"			Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"	3 ECTS
					Module SOT10045 (SL: Portfolio) "Introduction to Educational Technology and Learning Analytics"	Module SOT10055 (SL: project work) "Learning Analytics: RTL Specialization" 5 ECTS				5 ECTS
					Seminar "Introduction to Educational Technology and Learning Analytics"	Seminar "Learning Analytics: RTL Specialization"				5 ECTS
										5/3
										5/3
							6/3			
							20-25			

3. Your instructors (VI)

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 2, ED031 (SL: portfolio) "Reading and Administration of Literature"	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"	Lecture "Reading and Administration of Literature"	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 "Reading and Administration of Literature"			
		Seminar "Researching educational systems/project seminar"	Module SOT10032 (SL: presentation) Design for Learning Systems	Module SOT10051 (SL: presentation) Introduction to Python 3 ECTS	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS		
			Module SOT10045 (SL: portfolio) Introduction to Educational Technology and Learning Analytics"	Module SOT10055 (SL: project work) Learning Analytics: RTL Specialization 5 ECTS	Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"		
			Module SOT10055 (SL: project work) Learning Analytics: RTL Specialization 5 ECTS	Seminar "Learning Analytics: RTL Specialization"			
	5	5	10	5/3	5/3	6/3 20-25	




Prof. Azzurra Ruggeri





Dr. Georgina Török

3. Your instructors (VII)


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"		ED0384 (report) writing"	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"		ing"	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 "Researching educational systems/project seminar"			SOT10051 (SL: presentation)	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS	
					Tangible 3 ECTS	Introduction to		
					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

Prof. Enkelejda Kasneci

3. Your instructors (VIII)


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"	
					Seminar "Literature administration and knowledge organization"			
					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	
							20-25	

3. Your instructors (IX)

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 "Researching educational systems/project seminar"	Module SOT10032 (SL: presentation) Introduction to Python 3 ECTS		Module SOT10051 (SL: presentation) Introduction to Python 3 ECTS	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS		
				Module SOT10045 Educational Technology and Learning Analytics"	Module SOT10055 (SL: project work) Learning Analytics: RTL Specialization 5 ECTS	Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"		
				Seminar "Introduction to Educational Technology and Learning Analytics"	Seminar "Learning Analytics: RTL Specialization"			
	5	5	10		5/3	5/3	6/3	20-25

Ms. Virmarie Maquiling

3. Your instructors (X)

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 "Researching educational systems/project seminar"	Module SOT10032 (SL: presentation) Introduction to Python 3 ECTS		Module SOT10051 (SL: presentation) Introduction to Python 3 ECTS	Module SOT10034 (SL: presentation) "Hackathon: AI Ethics Literacy in Educational Technologies" 3 CTS		
			Module SOT10045 (SL: project work) Introduction to Learning Analytics 5 ECTS		Module SOT10055 (SL: project work) Learning Analytics: RTL Specialization 5 ECTS	Seminar "Hackathon: AI Ethics Literacy in Educational Technologies"		
				Seminar "Introduction to Educational Technology and Learning Analytics"	Seminar "Learning Analytics: RTL Specialization"			
	5	5	10		5/3	5/3	6/3	20-25

Prof. Oleksandra Poquet

4. First semester schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-10:00				Project Seminar (M4/Lewalter) Project Seminar (Mr. Santiago Hurtado) No session on Oct. 19 Oct. 26, Nov. 02, 16 & 23, Dec. 14 & 21, Jan. 25, Feb. 01 10:00-12:00 Room 607 Jan. 11 & 18 Room 133 10:00-15:00 Nov. 09 & 30, Feb. 08 10:00-12:00 Kleiner Hörsaal 0534 Arcisstr. 21, 80333 München	
10:00-11:00			Seminar (M4/Lewalter) Organization and Management in Educational Systems (Dr. Jessica Bodensteiner) 10:00-11:30 Room 129 Hybrid		(M3/Seidel) Presentation Skills (Dr. Paula Fischer, 4 days) Dec. 15, Jan. 26 10:30-12:30 Room 129 Jan. 12, Feb. 09 10:30-12:30 Room 120 Hybrid
11:00-12:00				Only in person again in summer semester	
12:00-13:00		Lecture (M1/Holzberger) Introduction to Quantitative Methods (Prof. Oleksandra Poquet) 12:00-14:00 Room 120 Hybrid	Seminar (M4/Lewalter) Educational Systems and Achievement (Dr. Jessica Bodensteiner) 12:00-14:00 Room 607? Hybrid		
13:00-14:00	Seminar (M5/Seidel) Models of Teaching and Learning Research (Dr. Elisabeth Bauer) 14:30-16:30 Room 140 Hybrid				
14:00-15:00		Blockseminar (M19/Ruggeri) Active Learning (Prof. Azzurra Ruggeri & Dr. Georgina Török, 4 days) Oct. 24, Nov. 07 & 21, Dec. 05 14:00-16:00 Hybrid Room 129 (Elective Group A)	Seminar (M3/Seidel) Basic Scientific Writing (Mr. Daniil Serko & Ms. Francesca Bonalumi, 4 days) Nov. 28, Dec. 12, Jan. 16, Feb. 6 14:00-16:00 Room 140 Hybrid	Exercise Course (M1/Holzberger) Quantitative Methods (Ms. Laura Graf) 14:00-15:30 Room 120 Hybrid	
15:00-16:00	Seminar (M5/Seidel) Qualitative and Quantitative Research Methods of Classroom Research (Dr. Elisabeth Bauer) 16:30-18:00 Room 140 Hybrid		Learning Analytics: RTL Specialization (Prof. Oleksandra Poquet) 14:30-17:30 Room N2409 Theresienstr. 90, 80333 München (Elective Group A & B)		
16:00-17:00				Seminar (M2/Bannert) Active Reading Strategy (Dr. Lyn Lim) 16:00 – 18:00 Room 139 (Elective Group A)	
17:00-18:00					

4. First semester schedule

Summary of elective modules		
	Course Name	Dates & Room
M2 Reading and administration of literature 5 ECTS	M2-Active Reading Strategy (Dr. Lyn Lim)	Thursday 16:00 – 18:00, Room 139
	M2-Literature Administration and Knowledge Organization	Offered by TUM library. Selection of courses, dates and time please see below
Elective Module (Elective Group A & B)	Learning Analytics: RTL Specialization (Prof. Oleksandra Poquet)	Wednesday 14:30-17:30 Room N2409

Summary of Block seminars		
	Course Name	Dates & Room
Required Module	(M3) Presentation Skills (Dr. Paula Fischer, 4 days)	Dec. 15, Jan. 12 & 26, Feb. 09 10:00-12:00, Room 142
Elective Module (Elective Group A)	(M19) Active Learning (Prof. Azzurra Ruggeri & Dr. Georgina Török, 4 days)	Oct. 24, Nov. 07 & 21, Dec. 05 14:00-16:00 Hybrid Room 129
Elective Module (Elective Group A & B)	Gaze-based Human-Computer Interaction (Prof. Enkelejda Kasneci, 10 days)	Mar. 18 -Mar. 29 9:00-16:00 Room 117
Elective Module (Elective Group A & B)	Tangible Computational Design for Learning (Prof. Anna Keune & Prof. Tilman Michaeli, 5 days)	Feb. 27-Mar. 01 9:00-16:00, Room 140
Elective Module (Elective Group A)	Introduction to Python (Ms. Virmarie Maquiling, 5 days)	Mar. 11-Mar.15 9:00-16:00, Room 117

M2-Literature administration and knowledge organization	
Reference Management with Citavi - Introductory course (not for MAC users) Wednesday, 22.11.2023 14:00 – 16.00, Webinar, English Thursday, 22.02.2024 9:00 – 11.30, Webinar, English	Reference Management with EndNote - Introductory course Thursday, 14.12.2023 9:00 – 11.30, Webinar, English Wednesday, 21.02.2024 14:00 – 16.30, Webinar, English
Cite it right Wednesday, 22.11.2023 14:00 – 16.30, Webinar, German Tuesday, 20.02.2024 10:00 – 12.30, Webinar, English	Research Data Management Friday, 24.11.2023 9:00 – 11.00, Webinar, English Friday, 08.03.2024 9:00 – 11.00, Conference Room S2534 (TUM Barer Street 21)
Predatory Journals and Conferences Thursday, 21.03.2024 9:30 – 12:00, English	Note: *Students do not need to participate in all of the courses but get to choose from the selection!

Library courses: <https://www.ub.tum.de/en/workshops>

What we expect from YOU:

- Carefully read through every course syllabus (course schedule, readings, exams, detailed course policy, etc.)
- Active participation in discussions
- Collaborative work
- Attend courses (required + elective ones) and pass exams or complete tasks to achieve ECTS



Having trouble **writing your thesis or your CV** in English?

Try out the **English Writing Center** at TUM!

- Free, **one-to-one, 45-minute appointments** to improve your writing in English
- Well-trained, English-speaking consultants
- For all TUM students, including BSc and MSc.
- Up to 12 appointments per person each semester!
- Easy online booking system
- For more information, see our website <https://www.sprachenzentrum.tum.de/en/sprachenzentrum/anguages/english/english-writing-center/>




4. First semester schedule

Campus App Über uns

Die TUM Campus App

Dein Begleiter für den Uni-Alltag



Die TUM Campus App ist der mobile Begleiter für alle Studierenden und Mitarbeitenden der Technischen Universität München. Sie hilft dabei, schnell und einfach an aktuelle Informationen zu kommen und so den Uni-Alltag besser zu organisieren:

- Mensa-Speisepläne
- U-Bahn-Abfahrtszeiten
- Kalender mit Vorlesungsterminen
- Chatrooms
- Suche nach Personen und Räumen
- Noten
- Studiengebühren
- News von der TUM
- Lernräume

Die App ist für alle TUM-Mitglieder gedacht, kann aber auch ohne TUM-Kennung verwendet werden.

available on Google Store

available on Apple Store

5. University facilities

- **TUM Library (Main Campus, Arcisstraße 21, about 15 min walk from here OR take the bus line 100, 11 min)**
 - You will have some introductory sessions there and of course you might need books!
 - **Very important:** To rent books from the library you need your student card and you also need to sign up online
- **Mensa & cafeteria**
 - Arcisstrasse 17, next to main campus
 - You can have lunch for a very good price and in the same building there is also a good cafeteria.
 - **Very important:** To buy something in the Mensa you have to charge money on your student card.

6. Online Systems

- **EDU Website** (<https://www.edu.sot.tum.de/edu/startseite/>)
 - Find important information about the study program
- **WIKI**
(<https://collab.dvb.bayern/display/TUMstudiumedu/Master+Research+on+Teaching+and+Learning>)
 - Find more information about the study program
- **TUMOnline** (<https://campus.tum.de/tumonline/webnav.ini>)
 - Download of students' documents (enrollment certificate, transcript, ...)
 - Calendar
 - Course & exam registration
- **Moodle** (<https://www.moodle.tum.de/>)
 - Course Material (skripts, readings, ...)
- **Library** (<http://www.ub.tum.de/en>)
 - Choose Branch "Library Main Campus"

TUMOnline: Course Registration

<https://campus.tum.de/>

TUMonline: Introduction to Interface, Navigation, and Features:

https://www.youtube.com/watch?v=e-67iU_DH34

Studies and Courses



Study Status /
Curriculum



Courses



Module Catalog



Student Files



Calendar

Exams



Exam Dates



Exam Registration



My Achievements



Transcripts



Recognitions /
Achievement
Supplements

TUMOnline: Course Registration

Campus-Management-System TUMonline
 Technische Universität München

Maintenance: 22.09.2021, 07:00 - , 07:40
 Gahyun Kim ▾
 DE
 EN

Courses

All courses My courses My Bookmarked Courses

2021 W ▾
 Curriculum: **Research on Teaching and Learning [2...**
 Organisation: Technische Universität München

Filter by course no. / course title / person with last name, first name

Filter ▾ Title (ascending) ▾

0000003803 Active Learning ☆	SE 2 SWS	Lecturer: Ruggeri, Azzurra	⊕ Course open for registration	Go to course registration	>
0000002352 Active Reading Strategy ☆	SE 2 SWS	Lecturer: Hartmann, Christian	⊕ Course open for registration	Go to course registration	>
0000000628 Analysis of Interview Data, Learning Journals and Portfolios ☆	SE 2 SWS		⊕ Course open for registration	Go to course registration	>

TUMOnline: Course Registration

Studies and Courses



**Study Status /
Curriculum**



Courses



Module Catalog



Student Files



Calendar

Exams



Exam Dates



Exam Registration



My Achievements



Transcripts



**Recognitions /
Achievement
Supplements**

TUMOnline: Course Registration

Curriculum Semester plan Cancel/Close

Display ▾ Node filter (All) ▾ Show my degree programmes

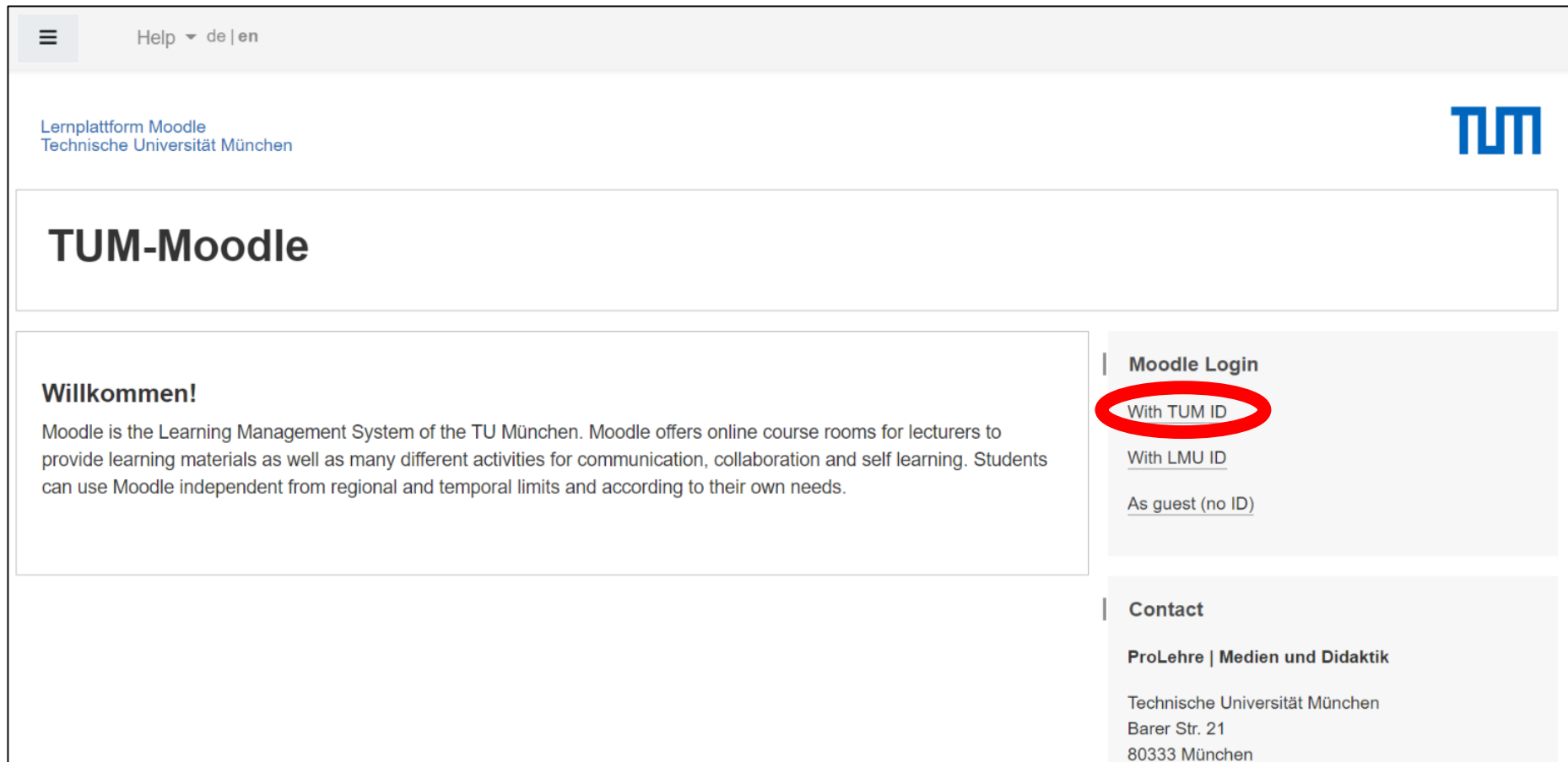
Node filter-Name rec. sem. Credits WF

- [-] [20201] Research on Teaching and Learning 120 1
 - [+] Master's Thesis Research on Teaching and Learning 30 1
 - [-] Required Modules 60 1
 - [-] [ED0223] Introduction to Methods in Teaching and Learning Science 5 1
 - [+] Introduction to Methods in Teaching and Learning Science 1. 1
 - [-] Introduction to Quantitative Methods 1. 1

Course(s) in academic year	Part	Lecturer	Place (1st session)	Time (1st session)
0000001944 21W 2SWS VO Introduction to Quantitative Methods		Holzberger D		

Moodle: Course Material

<https://www.moodle.tum.de/>



Help ▾ de | en

Lernplattform Moodle
Technische Universität München

TUM-Moodle

Willkommen!

Moodle is the Learning Management System of the TU München. Moodle offers online course rooms for lecturers to provide learning materials as well as many different activities for communication, collaboration and self learning. Students can use Moodle independent from regional and temporal limits and according to their own needs.

Moodle Login

- [With TUM ID](#)
- [With LMU ID](#)
- [As guest \(no ID\)](#)

Contact

ProLehre | Medien und Didaktik
Technische Universität München
Barer Str. 21
80333 München

Moodle: Course Material

Web Login Service

Login using your TUM-ID at

TUM Moodle
Technical University of Munich, Moodle Learning Management System
[Website](#) | [Privacy Statement](#)

Username

Password

keep me logged in ⁽¹⁾

show data being transmitted ⁽²⁾

LOGIN [Forgot your password?](#)

Log in using:

- Your **TUM username / TUM ID** or
- Your **@tum.de** or **@mytum.de** e-mail address

Moodle: Course Material

Customise this page

Meine Kursübersicht

Semester

WiSe 2020/2021

Einrichtung

TUM School of Education

Active Learning

(WiSe 2020/2021 | TUM School of Education)

Active Reading Strategy

(WiSe 2020/2021 | TUM School of Education)

Basic Scientific Writing

(WiSe 2020/2021 | TUM School of Education)

Educational Systems and Achievement: Sociological and Economic Perspectives

(WiSe 2020/2021 | TUM School of Education)

Getting Started in R

(WiSe 2020/2021 | TUM School of Education)

Introduction to Quantitative Methods

(WiSe 2020/2021 | TUM School of Education)

Upcoming events

There are no upcoming events

[Go to calendar...](#)

Calendar

September 2021						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Private files

No files available

[Manage private files...](#)

TUM Language Center

Language Center
Technical University of Munich

Homepage > Languages > English > English Writing Center

English Writing Center

Link to [English Writing Center Video](#)

The **English Writing Center** offers free one-to-one consulting in English writing to all members of the TUM community.

The Center is staffed by both professional language instructors and student **Writing Fellows**, all of whom are native (or near-native) English speakers. We help you develop long-term proficiency in English writing, while polishing your actual texts in the process.

Ruth Shannon →
Coordinator
English Writing Center
TUM Language Center
Raum 0243, Arcisstr. 21
80333 München
Tel.: 089/289-29315
shannon@zv.tum.de
[Office hours](#)

150 Jahre
culture of
excellence

Your English Text

Please bring to your appointment up to 5 pages of a text. It might be a section of a thesis or article, an essay or homework assignment, a CV or cover letter, or any other English text.

Our service is to teach you to improve your writing, not to proofread your texts. So please always do your best to implement what you've learned in your whole text before making another appointment. That way the lessons build on one another.

Book your Appointment

<https://www.sprachenzentrum.tum.de/sprachenzentrum/sprachen/englisch/english-writing-center/>

Language Center
Technical University of Munich

Homepage

TUM Language Center

The TUM Language Center plays a central role in the internationalization initiative of the Technical University Munich. We offer students and staff diverse opportunities to develop competence in a foreign language in addition to professional communication skills. Our program strongly emphasizes intercultural communication in the context of scientific research.

150 Jahre
culture of
excellence

TUM Language Center
Richard-Wagner-Str. 3
80333 Munich
Post address:
Arcisstr. 21, 80333 Munich

Service Office Munich

Service Office
Garching-
Forschungszentrum

News

Program Intensive Courses Sept/Oct 2018 from June 22nd in TUMonline
Registration: 3 weeks before each course starts.

Program Winter Semester 2018/19 in TUMonline Sept 20th.
Registration: starting Oct 12th. Courses start: Oct 22nd.

How to register

<https://www.sprachenzentrum.tum.de/en/sprachenzentrum/languages/german/>

TUM Language Center

how to register German course

Courses

All courses | My courses | My Bookmarked Courses

Term: 2021 W | Curriculum: All | Organisation: Technische Universität München

German as a foreign language

Filter | Title (ascending)

220000DE12 **German as a Foreign Language A1.1** ☆
SE | 3 SWS

Lecturer: [Bakker, Sandra](#) [Dechant, Silvia](#) [Gröbl, Johannes](#) [Jennert, Judith](#) [Karsten-Ott, Maria](#)
... show all

Go to course registration

220000DE05 **German as a Foreign Language A1.1 plus A1.2** ☆
SE | 6 SWS

Lecturer: [Geishauser, Christine](#) [Schlüter, Jutta](#)

Course open for registration
Please note the [participation criteria and registration information](#)

Go to course registration

TUM Language Center

how to register German course

Course registration

1 Select registration procedure for this course

2 Select groups

Degree programme
Research on Teaching and Learning - Master of Education

German as a Foreign Language A1.1
 Course open for registration

Use either our placement test on www.moodle.tum.de to find your language level, or choose a course one level up from your most recently completed course in this language, provided the course was at the TUM, a partner university, or another European university. For more information, visit our website www.sprachenzentrum.tum.de

Registration period	from 20.09.21, 00:00 to 20.10.21, 23:59	Ranking options	1. Los (4 Stellen)
Deregistration	to 31.03.22, 23:59	Participants	For a possible maximum number of participants see course group
Date of Allocation	from 20.10.21, 00:00 Expand details of allocation		

Please select at least 1 groups of 1 different courses.

Please select at least 1 (currently 0) groups, 1 (currently 0) of which from different courses.

TUM Language Center

how to register German course

^ 220000DE12 **German as a Foreign Language A1.1**
German as a Foreign Language ... ▾

Dechant STRAUBING (Online) (Participants: 0 / max. 23) ☆

⚠ You cannot register for this course group with the selected degree programme.

Lecturer: [Dechant, Silvia](#)

Dates: 🕒 MI, 27.10.2021, 18:15 - 19:45
📍 Online: Videokonferenz / Zoom etc.

[... show all](#)

Edit preference

low high

Gröbl KOMPAKT (Online) (Participants: 0 / max. 23) ☆

⚠ You cannot register for this course group with the selected degree programme.

Lecturer: [Gröbl, Johannes](#)

Dates: 🕒 MO, 25.10.2021, 08:00 - 09:30
📍 Online: Videokonferenz / Zoom etc.

[... show all](#)

Edit preference

low high

Jennert (Online) (Participants: 0 / max. 23) ☆

Lecturer: [Jennert, Judith](#)

Dates: 🕒 MI, 27.10.2021, 17:30 - 20:00
📍 Online: Videokonferenz / Zoom etc.

[... show all](#)

Edit preference

low high

Karsten-Ott BWL (Online) (Participants: 0 / max. 23) ☆

⚠ You cannot register for this course group with the selected degree programme.

Lecturer: [Karsten-Ott, Maria](#)

Dates: 🕒 DI, 26.10.2021, 14:00 - 16:30
📍 Online: Videokonferenz / Zoom etc.

[... show all](#)

Edit preference

low high

Mental Health

TUM4Mind <https://www.tum.de/en/studies/support-and-advice/wellbeing/tum4mind/>

- Dealing with Psychological Pressure
- Relaxation for Body and Soul
- Personal Development and Self-Management

[TUM General Student Advising](#)

[TUM Academic Coaching](#)

[TUM Office for Disabled and Chronically ill Students](#)

[Interactive Workshops](#) at TUM on the topics of stress management, motivation and much more

[Interactive Workshops and advice](#) at TUM on learning, exam preparation and much more

Mental Health

Buddy Program

Sharing experiences moving abroad

Managing expectations for the RTL Master

Someone you can reach out to in your new life here in Munich

Life in Munich

Getting Around

- Bus, Straßenbahn, U-Bahn, S-Bahn (<https://www.mvg.de/>)
 - Activate Semester Ticket!
 - Purchase the IsarCard Semester Ticket (201.60 EUR)
 - Avoid buying single tickets, buy a stripe ticket (pack of 10 rides)
 - All tickets need to be validated each time you ride
- Regional Trains
- Bikes and E-scooters
- Rent a bike for a month(s)
- Taxis

Life in Munich

Some TUM Activities

October

- Inner City Bike Tour - 13 km
- Van Gogh Alive - Multimedia Exhibition Visit
- Plant a Seed - Urban Gardening Course

November

- Cultural Language Café: open German conversation club

ONLINE

- Munich Symphonic Ensemble (SEM) performs together with the TUMChor choir

Life in Munich

Things to Do

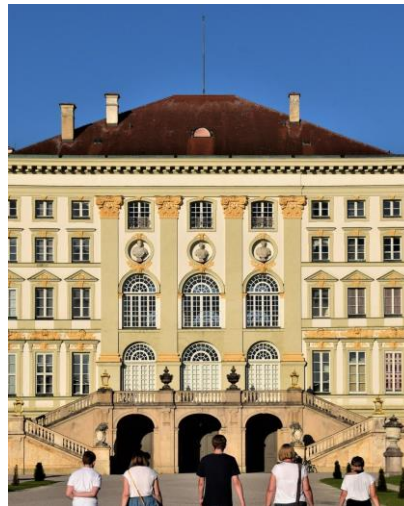
- Museums (1 Euro on Sundays)
- Biergartens
- Parks (Englischer Garten, Olympia Park, West Park, and more!)
- Mapped out routes of bike tours to lakes outside of the city center



Life in Munich

Things to Do

- Flea markets
- Opera
- Nymphenburg Palace
- Festivals (Music, Christmas)



Life in Munich

Things to Do

- Football games
- Hikes in the mountains
- Day trips to neighboring cities (Neuschwanstein, Nuremberg, Rothenburg)

Check out: <https://boredinmunich.com/> and <https://www.muenchen.de/int/en/events.html> for more ideas!



Sports and Fitness

ZHS (Central University Sports)

€ 10 per semester

- Permits participation in courses like ball sports, climbing, fitness, water sports, dancing, martial arts
- some courses are additional costs

Things to Note

- About 600 classes per semester
- Fitness studio, beach volleyball, swimming pool, tennis courts
- Online classes available

The Fit in the Park

- Fitness activities in the surrounding parks (Free, likely held in German)
- Runs until October 31st
- Yoga, Zumba, Qi Gong, Pilates, Workouts and more

Life in Munich

Tips!

- Each semester you will need to pay your tuition fee
- You can repeat exams if you fail them
- Each semester you will need to validate your student ID card
- Take advantage of student discounts and offers
- You must register for your own exams

HAVE A WONDERFUL START AT TUM!

