

Master program - Chemistry and Physics of Materials

Winter Semester 2026/27

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
485011	W	Chemistry of Materials I	3	VO	3	Elsässer, Hüsing	English
485021	W	Physics of Materials	3	VO	3	N. N., Wilts	English
485022	W	Functional Materials	2	VO	2	Bourret	English
485031	W	Materials Characterization I (Scattering and Diffraction)	3	VU	4	Redhammer, Prehal	English
485042	W	Carbon Materials	2	VO	2	Elsässer	English
485046	W	Materials Synthesis (Lab Course)	4	PR	6	Elsässer, Heugenhauser, Jayakumar Subha Rani	English
485047	W	Biomaterials	2	VO	2	Roschger	English
485052	W	Mineralogy II	2	VO	2	Redhammer	English
485054	W	Functional Ceramics	2	VU	3	Diwald, Vives Ollé	English
485056	W	Modeling I (Molecular and crystalline structure and properties)	3	VU	4	Aschauer, Singh, N. N.	English

485063	W	Seminar Materials Science	1	SE	1	Aschauer, Berger, Diwald, Dunlop, Hüsing, Pokrant, Redhammer, Wilts	English
485068	W	Chemistry of Materials I	2	VU	2	Heugenhauser, Hüsing	English
485073	W	Energy Storage	2	VO	2	Prehal	English
485090	W	Computational Thinking	2	VU	3	Dunlop	English
485091	W	Programming in the Natural Sciences	2	VU	3	Aschauer, Singh, N. N.	English
485092	W	Sustainability Report and Project Management	1	VO	1	Wilts	English
485093	W	Mechanical Properties of Materials	2	VU	3	Dunlop, Prehal	English
485094	W	Materials & Sustainability Lab	6	PR	6	Aschauer et al.	English

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485013	S	Chemistry of Materials II	2	VO	2	Berger, Heugenhauser	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English
485033	S	Materials Characterization III (Thermophysical	2	VO	2	Bourret, Pokrant	English

		Properties & Thermal Analysis					
485034	S	Materials Characterization IV (Elemental Analysis and Spectroscopy)	3	VU	4	Diwald, Berger, Wilts	English
485043	S	Interface Science and Engineering	2	VO	2	Berger, Diwald	English
485051	S	Mineralogy I	2	VO	2	Redhammer	English
485053	S	Geomaterials	2	VO	2	Redhammer	English
485055	S	Resource Management, Recovery and Recycling	2	VO	2	Pokrant	English
485074	S	Modeling II	3	VU	3	Dunlop, Pirih, Wilts	English
485063	S	Seminar Materials Science	1	SE	1	Aschauer, Berger, Diwald, Dunlop, Hüsing, Pokrant, Redhammer, Wilts	English
485064	S	Materials Selection	2	VU	3	Dunlop	English
485066	S	Physics and Chemistry of Surfaces	2	VO	2	Aschauer, Bourret, Diwald	English
485094	S	Materials & Sustainability Lab	6	PR	6	Aschauer et al.	English
485097	S	Materials Characterization II (Microscopy)	2	VO	2	Bourret, Pokrant	English

Master Program – Science and Technology of Materials

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485011	W	Chemistry of Materials I	3	VO	3	Elsässer, Hüsing	English
485021	W	Physics of Materials	3	VO	3	N. N., Wilts	English
485022	W	Functional Materials	2	VO	2	Bourret	English
485031	W	Materials Characterization I (Scattering and Diffraction)	3	VU	4	Redhammer, Prehal	English
485042	W	Carbon Materials	2	VO	2	Elsässer	English
485046	W	Materials Synthesis (Lab Course)	4	PR	6	Elsässer, Heugenhauser, Jayakumar Subha Rani	English
485047	W	Biomaterials	2	VO	2	Roschger	English
485052	W	Mineralogy II	2	VO	2	Redhammer	English
485054	W	Functional Ceramics	2	VU	3	Diwald, Vives Ollé	English
485056	W	Modeling I (Molecular and crystalline structure and properties)	3	VU	4	Aschauer, Singh, N. N.	English
485063	W	Seminar Materials Science	1	SE	1	Aschauer, Berger, Diwald, Dunlop, Hüsing, Pokrant, Redhammer, Wilts	English

485068	W	Chemistry of Materials I	2	VU	2	Heugenhauser, Hüsing	English
485073	W	Energy Storage	2	VO	2	Prehal	English
485094	W	Materials & Sustainability Lab	6	PR	6	Aschauer et al.	English

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485013	S	Chemistry of Materials II	2	VO	2	Berger, Heugenhauser	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English
485033	S	Materials Characterization III (Thermophysical Properties & Thermal Analysis)	2	VO	2	Bourret, Pokrant	English
485034	S	Materials Characterization IV (Elemental Analysis and Spectroscopy)	3	VU	4	Diwald, Berger, Wilts	English
485043	S	Interface Science and Engineering	2	VO	2	Berger, Diwald	English
485051	S	Mineralogy I	2	VO	2	Redhammer	English
485053	S	Geomaterials	2	VO	2	Redhammer	English
485055	S	Resource Management, Recovery and Recycling	2	VO	2	Pokrant	English

485074	S	Modeling II	3	VU	3	Dunlop, Pirih, Wilts	English
485063	S	Seminar Materials Science	1	SE	1	Aschauer, Berger, Diwald, Dunlop, Hüsing, Pokrant, Redhammer, Wilts	English
485064	S	Materials Selection	2	VU	3	Dunlop	English
485066	S	Physics and Chemistry of Surfaces	2	VO	2	Aschauer, Bourret, Diwald	English
485094	S	Materials & Sustainability Lab	6	PR	6	Aschauer et al.	English
485097	S	Materials Characterization II (Microscopy)	2	VO	2	Bourret, Pokrant	English

PhD Studies NLW

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485064	S	Materials Selection	2	VU	3	Dunlop	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English