

Master program - Chemistry and Physics of Materials

Winter Semester 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
485011	W	Chemistry of Materials I	3	VO	3	Schubert	English
485012	W	Chemistry of Materials I	2	UE	2	Schuster	English
485021	W	Physics of Materials	3	VO	3	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
485043	W	Interface Science and Engineering	2	VO	2	Diwald, Berger	English
485046	W	Materials Synthesis (Lab Course)	4	PR	6	Bourret, Elsässer	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	English
485056	W	Modeling I (Molecular and crystalline structure and properties)	3	VU	4	Aschauer	English

485063	W	Seminar Materials Science	1	SE	1	Aschauer, Berger, Diwald, Dunlop, Hüsing, Pokrant, Redhammer, Wilts	English
485069	W	Materials & Sustainability I	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing, Pokrant, Wilts	English
485070	W	Materials & Sustainability II	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing, Pokrant, Wilts	English
485073	W	Energiespeicherung	2	VO	2	Prehal	English

Summer Semester 2024

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
485013	S	Chemistry of Materials II	2	VO	2	Heugenhauser	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English
485032	S	Materials Characterization II (Microscopy)	2	VU	3	Bourret, Pokrant	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
485045	S	Surface Characterization Techniques	1	VO	1	Bourret, 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
485057	S	Modeling II	3	VU	3	Dunlop	English
485058	S	Modeling III	2	VU	3	Aschauer	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
485065	S	The Physics of Biological and Bio-inspired Materials	2	UV	2	Dunlop, Wilts	English
485066	S	Physics and Chemistry of Surfaces	2	VO	2	Berger, Bourret, Diwald	English
485069	S	Materials & Sustainability I	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing, Pokrant, Wilts	English
485070	S	Materials & Sustainability II	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing, Pokrant, Wilts	English
485072	S	Experimental Geometry for Biology and Materials Science	1	SE	1	Dunlop, Wilts	English Deutsch

Master Program – Science and Technology of Materials

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485011	W	Chemistry of Materials I	3	VO	3	Schubert	English
485021	W	Physics of Materials	3	VO	3	Wilts	English
485022	W	Functional Materials	2	VO	2	Bourret	English
485031	W	Materials Characterization I (Scattering and Diffraction)	3	VU	4	Prehal, Redhammer	English
485042	W	Carbon Materials	2	VO	2	Elsässer	English
485043	W	Interface Science and Engineering	2	VO	2	Diwald, Berger	English
485046	W	Materials Synthesis (Lab Course)	4	PR	6	Bourret, Elsässer	English
485047	W	Biomaterials	2	VO	2	Roschger	English
485052	W	Mineralogy II	2	VO	2	Redhammer	English
485054	W	Functional Ceramics	2	VU	2	Diwald	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	Schuster	English
485069	W	Materials & Sustainability I	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing,	English

						Pokrant, Wilts	
485073	W	Energiespeicherung	2	VO	2	Prehal	English

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485013	S	Chemistry of Materials II	2	VO	2	Heugenhauer	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English
485032	S	Materials Characterization II (Microscopy)	2	VU	3	Bourret, Pokrant	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
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
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

485065	S	The Physics of Biological and Bio-inspired Materials	2	VU	2	Dunlop, Wilts	English
485066	S	Physics and Chemistry of Surfaces	2	VO	2	Berger, Bourret, Diwald	English
485069	S	Materials & Sustainability I	6	PR	6	Aschauer, Diwald, Dunlop, Hüsing, Pokrant, Wilts	English
485072	S	Experimental Geometry for Biology and Materials Science	1	SE	1	Dunlop, Wilts	English Deutsch

PhD Studies NLW

Summer Semester 2024

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796003	S	Form, Process, Pattern	1	SE	1	Diwald, Dunlop, Lang	English
485023	S	Intellectual Property Rights	1	VO	1	Berger S.	English
485064	S	Materials Selection	2	VU	3	Dunlop	English

485065	S	The Physics of Biological and Bio-inspired Materials	2	VU	2	Dunlop, Wilts	English
485072	S	Experimental Geometry for Biology and Materials Science	1	SE	1	Dunlop, Wilts	English