

Student ID Number

Degree Programm Number

EXAMINATION RASTER MASTER'S PROGRAM PHYSICS

(1.10.2023)

Data of the Student

First name and Family name	
Phone number	
E-Mail	

Major Field of Studies

One or two **Major Fields of Studies** have to be completed - A total of **63 ECTS** must be completed within the subjects **Major Fields of Studies** and **General and Elective Subjects**

Condensed Matter Physics [5-1]

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Advanced Solid State Physics	461CMCSASPU23	UE	1,5		
	461CMCSASPV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2U23	UE	1,5		
	461QPCSQM2V23	VL	3		
Core Elective Subjects			6-15		
Advanced Semiconductor Physics	461CCESASPV23	VL	3		
Crystal Growth and Epitaxy	461CCESCGEV23	VL	3		
Surface Science II	461CCESSS2V23	VL	3		
Statistical Physics II	461BCOSSP2V23	VL	3		
Theory of Condensed Matter	461QCESTCMV23	VL	3		
Additional Elective Subjects			3-27		

Quantum Physics and Photonics [5-2]

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Photonics	461QPCSPHTU23	UE	1,5		
	461QPCSPHTV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2U23	UE	1,5		
	461QPCSQM2V23	VL	3		
Core Elective Subjects			6-15		
Laser Physics	461QCESLPHV23	VL	3		
Quantum Electronics and Optics	461QCESQEOV23	VL	3		
Quantum Computation and Communication	461QCESQCCV23	VL	3		
Theory of Condensed Matter	461QCESTCMV23	VL	3		
Theory of Quantum Dynamics	461QCESTQDV23	VL	3		
Additional Elective Subjects			3-27		

Bioinspired and Complex Matter [5-3]

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Physics of Soft and Complex Matter	461BCOSPSCU23	UE	1,5		
	461BCOSPSCV23	VL	3		
Statistical Physics II	461BMASSP2U23	UE	1,5		
	461BCOSSP2V23	VL	3		
Core Elective Subjects			6-15		
Charakterisierung von Bio-Nanostrukturen	TPMPBVOCBIN	VL	3		
Theoretische Biophysik I	TPMPBVOTBI1	VL	3		
Bioinspired and Polymeric Materials	461CCESBPMV23	VL	3		
Smart Materials	461CCESSMAV23	VL	3		
Theoretical Quantum Chemistry	461CCESTQCV23	VL	3		

Additional Elective Subjects			3-27		

Nanomaterials and Technology [5-4]

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Advanced Solid State Physics	461CMCSASPU23	UE	1,5		
	461CMCSASPV23	VL	3		
Physics of Low Dimensional Systems	461NCOSPLDU23	UE	1,5		
	461NCOSPLDV23	VL	3		
Core Elective Subjects			6-15		
Analytics of Surfaces and Thin Films	461NCESASTV23	VL	3		
Nano Characterization	461NCESNACV23	VL	3		
Semiconductor Technology	461NCESSTEV23	VL	3		
Self-Assembly of Nano Structures	461NCESSANV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2V23	VL	3		
Additional Elective Subjects			3-27		

General and Elective Subjects [10]

Course	Code	Type	ECTS	Date	Grade
Theoretical Physics			4,5		
Statistical Physics I	461GTPHSPIU23	UE	1,5		
	461GTPHSPIV23	VL	3		
Advanced Practical Courses			4,5		
Experiment in Current Topics in Physics	461GAPCECTP23	PR	0,75		
Experiment in Applied Physics	461GAPCEAPP23	PR	0,75		
Experiment in Biomolecular and Selforganizing Matter	461GAPCEBSP23	PR	0,75		
Experiment in Biophysics	461GAPCEIBP23	PR	0,75		
Experiment in Solid State Physics	461GAPCESSP23	PR	0,75		
Experiment in Semiconductor Physics	461GAPCESPP23	PR	0,75		
Experiment in Surface and Nano Analytics	461GAPCESNP23	PR	0,75		
Experiment in Surface Science	461GAPCESCP23	PR	0,75		
Experiment in Physics of Soft Matter	461GAPCEPSP23	PR	0,75		
Experiment in Theoretical Physics	461GAPCETPP23	PR	0,75		
Computational and Technological Skills			4,5-9		
Advanced Measuring Techniques	461GCTSAMTP23	PR	1,5		
	461GCTSAMTV23	VL	3		
Computational Physics I	461GCTSCPIU23	UE	1,5		
	461GCTSCPIV23	VL	3		
Additional Computational and Technological Skills			0-21		
General Physics			0-18		

Special Topics			0-24		
Physical Seminars			0-3		
Gender Studies			0-3		

Elective Courses related to the Master's Thesis

Course	Code	Type	ECTS	Date	Grade
		SE	3		
		SE	3		
		PR	9		
			15		

Free electives [20]

Course	Code	Type	ECTS	Date	Grade
			6		

Linz, _____

Student Signature	
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Der*Die Vizerektor*in für Lehre und Studierende