

Examination office

Exams Winter Semester 2023/24**Master's Program Nanoelectronic Systems****3. Semester and Reexaminations**examination period from 05.02.2024 - 02.03.2024

examination subject (Module name)	Module	duration and kind	professor	date/time
Compulsory Modules				
Academic and Scientific Work (Paper reading group) M1200-50010	NES-12 ASW-14.1	presentation and oral group exam of 30 min	Prof. Mikolajick Dr. Schmolt	on appointment
Academic and Scientific Work (Photonic Devices group) M1200-50010	NES-12 ASW-14.1	presentation and oral group exam of 30 min	Prof. Jamshidi Prof. Plettemeier	on appointment
Academic and Scientific Work (Nanoelectronic Systems Design Student Conference) M1200-50010	NES-12 ASW-14.1	presentation and oral group exam of 30 min	Prof. Fettweis/ Matus	on appointment
Project Work M1200-50060	NES-12 PW-14.1	written project report in scope of 100 hours and presentation	Prof. Mikolajick	no registration at SELMA required
Optional Modules				
Memory Technology M1212-1M140	NES-12 12 03-14.1	oral exam of 25 min or written exam 90 min	Prof. Mikolajick	on appointment
Introduction to Optical Non-classical Computing: Concepts and Devices M1210-50340	NES-12 10 08	oral exam presentation	Prof. Jamshidi	on appointment on appointment
Computer Arithmetic M1200-50120	NES-11 02 03-14.1	oral exam of 45 min	Prof. Spallek	not offered
Electromechanical Networks M1212-50130	NES-12 12 04-14.1	written exam of 120 min	Prof. Marschner	26.02. GÖR/127/U 2./3. DS
Hardware/Software Codesign Lab M1210-50150	NES-12 10 04-14.1	project report of 30 hours	Prof. Fettweis	-
Integrated Circuits for Broadband Optical Communications M1208-11230	NES-12 08 04-14.1	written exam of 120 min	Prof. Ellinger Dr. Schumann	01.03. HÜL/S186/H 3./4. DS
Molecular Electronics M1200-50210	NES-13 14 02-14.1	oral exam of 20 min (less or equal 10 students) or written exam of 90 min (more than 10 students)	Prof. Moresco	22.02.
Optoelectronics M1212-50230	NES-12 12 05-14.1	oral exams of 20 min or written exam 60 min oral exam of 20 min	Prof. Lakner Prof. Eng	on appointment
Nanooptics (Eng) + Optoelectronic Devices and Systems (Lakner)				
Real-Time Systems M1200-50250	NES-11 06 05-14.1	oral exam of 30 min	Prof. Härtig Dr. Roitzsch	not offered
Theory of Nonlinear Networks M1208-50300	NES-12 08 05-14.1	written exam of 90 min	Prof. Tetzlaff	not offered

Ubiquitous Systems M1200-50310	NES-11 06 07-14.1	oral exam of 30 min (less or equal 10 students) or written exam of 120 min (more than 10 students)	Prof. Schill	on appointment
Semiconductor Industry Challenges: Market Dynamics - Technology Innovations - Yield and Reliability Engineering M1200-50260 Zschech (exam)	NES-12 12 06-14.1	oral or written exam (90 min or 45 min) assigned paper	Prof. Zschech	not offered
Kücher (paper)			Prof. Kücher	not offered
Materials for 3D System Integration M1206-50200 Micro-/Nanomaterials and Reliability Aspects	NES-12 06 01-14.1	written exam of 90 min	Prof. Panchenko	26.02. GÖR/127U 4. DS
Lab Course		on appointment	Prof. Panchenko	
Quantum Mechanics for Nanoelectronics M1200-50240	NES-02 04 01	oral exam 30 min	Prof. Helm	on appointment
Communication Networks 3 M1210-11280	NES-12 10 20	oral or written exam (120 min or 30 min) project work	Prof. Fitzek	on appointment on appointment
Hardware Modeling and Simulation M1200-50380	NES-11 20 20	written or oral exam (60 min or 20 Min.	Prof. Göhringer	12.02. HSZ/304/Z 1. DS
Future Computing Strategies in Nanoelectronic Systems M1208-50370	NES-12 08 01	oral exam of 20 min or written exam 90 min	Prof. Tetzlaff	on appointment
Integrated Photonic Devices for Communications and Signal Processing M1210-50170	NES-12 10 06-14.1	oral exam of 30 min project work	Prof. Jamshidi	on appointment
Lab Embedded Hardware Systems Design M1200-50410	INF-DSE-20-E-EHS-L	project Work	Prof. Kumar	
Plasma Technology M1211-50480	NES-E-ResM-23	written exam 90 min	Prof. v. Hauß	05.02. GÖR/127/U 2. DS
Joint Communications and Sensing Systems for 6G Networks M1210-50470	NES-E-JCAS	written exam 90 min	Prof. Fettweis	21.02. BAR/188/U 2. DS
Foundations of Certified Programming Language and Compiler Design M1200-50460	NES-INF-E-FCPL	oral exam 30 min	Dr. Ertel	
Computational Laser Systems M1208-50490	NES-ET-E-ComLS-23	oral exam 30 min	Prof. Czarske	
Innovative Concepts for Active Nanoelectronic Devices M1212-50063 Materials for Nanoelectronics	NES-ET-22-E-ICAND	oral exams of 20 min each (less or equal 20 students) or written exam of 90 min each protocol	Prof. Richter	written exam 90 min 29.02. M13/DÜLF/U 4. DS on appointment
Innovative Semiconductor Devices		oral exams of 20 min each (less or equal 20 students) or written exam of 90 min each	Prof. Mikolajick	oral exam 90 min on appointment
on appointment				
Reexaminations				
Compulsory Modules				
Hardware/Software Codesign M1210-50030	NES-12 10 03-14.1	oral exam of 20 min or written exam 120 min	Prof. Fettweis Dr. Rave, Dr. Matus	20.02. BAR/188/U 2./3. DS
Radio Frequency Integrated Circuits M1208-11100	NES-12 08 02	written exam of 120 min	Prof. Ellinger	07.02. BAR/188/U

Optional Modules			Dr. Schumann	2./3. DS
Communications M1210-50100	NES-12 10 02-14.1	written exam of 120 min	Prof. Fettweis Dr. Rave	09.02. HSZ/101/U 2./3. DS
VLSI Processor Design M1208-50320 project work presentation	NES-12 08 07	project work	Prof. Mayr Dr. Höppner	on appointment
Semiconductor Technology M1212-50080	NES-12 12 02-19.1	written exam of 120 min	Prof. Mannsfield Prof. Erbe	28.02. GÖR/229/U 2./3. DS
Innovative Semiconductor Devices M1212-50160	NES-12 12 07 -14.1	written exam 90 min or oral exam 15 min	Prof. Mikolajick Dr. Heinzig	23.02. only reexam HÜL/S186/H 2./3. DS

signed Prof. Th. Mikolajick
Chairman of the Examination Board