Faculty of Electrical and Computer Engineering 08.01.2024

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. Schmult	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 M1208-1I230	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 Nanooptics (Eng) + Optoelectronic Devices and Systems (Lakner)	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
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) Kücher (paper)	NES-12 12 06-14.1	 oral or written exam (90 min or 45 min) assigned paper	 Prof. Zschech Prof. Kücher	 not offered not offered
Materials for 3D System Integration M1206-50200 Micro-/Nanomaterials and Reliability Aspects Lab Course	NES-12 06 01-14.1	 written exam of 90 min on appointment	 Prof. Panchenko Prof. Panchenko	 14.02. GÖR/229/U 2. DS
Quantum Mechanics for Nanoelectronics M1200-50240	NES-02 04 01	oral exam 30 min	Prof. Helm	on appointment
Communication Networks 3 M1210-1I280	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. Hauff	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/I88/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	NES-ET-22-E-ICAND			

Materials for Nanoelectronics		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 appoinment
Innovative Semiconductor Devices		oral exams of 20 min each (less or equal 20 students) or written exam of 90 min each	Prof. Mikolajick	**written exam** 90 min 23.02. HÜL/S186/H 2./3. DS

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/I88/U 2./3. DS
Radio Frequency Integrated Circuits M1208-1I100 **Optional Modules**	NES-12 08 02	written exam of 120 min	Prof. Ellinger Dr. Schumann	07.02. BAR/I88/U 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. Mannsfeld 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