Faculty of Electrical and Computer Engineering

21.06.2023

Examination office

Exams Summer Semester 2023

Master´s Program Nanoelectronic Systems

examination period from 17.07.2023 bis 12.08.2023 Preliminary Plan

examination subject (Module name)	Module	duration and kind	professor	date/time	
Compulsory Modules					
Lab sessions M1200-50040 Semiconductor Technology Lab Hardware/Software Codesign Lab Emerging PV Technologies Lab	NES-11 06 01	protocol 2	Bartha	on appointment	selection 1 out of 3 Mikolajick; Matus, Leo
Semiconductor Technology M1212-50080	NES-12 12 02	**oral exam** of 30 min or written exam of 120 min (>20 students)	Prof. Mannsfeld (Dr. Wenzel)	09.08. POT/81/H 1./2. DS	
Radio Frequency Integrated Circuits M1208-1I100	NES-12 08 02	written exam of 120 min	Prof. Ellinger (Dr. Schumann)	18.07. M13/DÜLF/U 3./4. DS	
Hardware/Software Codesign M1210-50030	NES-12 10 03	oral exam of 20 min or **written exam of 120 min** (> 16 students)	Prof. Fettweis (Dr. Matus)	02.08. BAR/SCHÖ/E 4./5. DS	
Optional Modules					
Communications M1210-50100	NES-12 10 02	written exam of 120 min	Prof. Fettweis (Dr. Rave)	07.08. HSZ/301/U; HSZ/03/H 3./4. DS	
German Language and Culture M1200-50140	NES-30 GLC	written exam of 90 min	Ampie/ Prof. Mikolajick	on appointment	
VLSI Processor Design M1208-50320 project work referat	NES-12 08 01		Prof. Mayr (Dr. Höppner)	on appointment	
Nanotechnology and Material Science M1200-50220 Lab Course (Eng)	NES-13 14 01	 oral exam of 20 min or wirtten exam of 90 min (> 10 students) oral exam 20 min.	 Prof. Cuniberti Prof. Eng Prof. Eng	 on appointment on appointment	
Foundations of Software-Fault Tolerance M1200-50270	NES-11 06 03	set of exercises and oral or written exam of 90 or 30 min	Prof. Fetzer	on appointment	
Wireless Sensor Networks M1200-50330	NES-11 06 04	presentation + oral exam 30 min or written exam of 90 min (> 10 students).	Prof. Schill (Dr. Dargie)		
Semiconductor Industry Challenges: Market Dynamics - Technology Innovations - Yield and Reliability Engineering M1200-50260	NES-12 12 06	advanced paper	Prof. Kücher	not offered	
Investing in a Sustainable Future M1200-50180	NES-10 01 01	exam written 90 min cancelled SoSe 23	Prof. Sassen		
Materials for 3D System integration and 3D Technique M1206-50200 3D-Systemintegration and 3D Technologies	NES-12 06 01	 written exam of 90 min	Prof. Panchenko	21.07. HSZ/E03/U 2. DS	

Integrated Photonic Devices for Communications and Signal Processing M1210-50170 oral exam assigned paper	NES-12 10 06	winter semester	Prof. Jamshidi	 on appointment on appointment
Modellling and Characterization of Nanoelectronic Devices M1208-1M100 project work written exam of 90 min	NES-12 08 26	cancelled SoSe 23	Prof. Schröter	
Neuromorphic VLSI Systems M1208-1I360 assigned paper presentation	NES-12 08 06		Prof. Mayr	 on appointment on appointment
Design and Programming of Embedded Multicore Architectures M1200-50350	NES-11 20 19	written or oral exam (60 min or 20 min)	Prof. Göhringer	11.08. HÜL/S186/H 1. DS
Antennas and Radar Systems M1210-50360	NES-12 10 05	oral exam 45 min	Prof. Plettemeier	on appoinment
Requirements and methodologies for design of integrated circuits from industrial production perspective M1212-50440	NES-E-LSer-24	written exam 90 min	Prof. Mikolajick	24.07. BAR/SCHÖ/E 2. DS
Deep Neural Network Hardware M1208-50450	NES-E-DNNH-24	written exam 90 min	Prof. Mayr	28.07. GÖR/226/H 1. DS
Physical Design M1210-50420	NES-E-PD-24	report and presentation	Prof. Fettweis	
Resource Managament M1200-50430	NES-E-ResM-24	project work	Prof. Günther	
Embedded hardware systems design M1200-50390	INF-DSE-20-E-EHS-L	project work	Prof. Kumar	21.07.
Hardware/Software Codesign Lab M1210-50150	NES-12 10 04-14.1	project report of 30 hours	Dr. Matus	-

re-examination

Stochastic Signals and Systems M1210-50280	NES-12 09 01	written exam of 90 min	Prof. Schaefer	04.08. ZEU/250/Z 3. DS
Principles of Dependable Systems M1200-50050	NES-11 06 02	set of exercises and written exam of 90 min or oral exams of 30 min each (less or equal 10 students)	Prof. Fetzer (Prof. Strufe)	17.07. 2. DS APB E001
170723	NES-11 06 06	set of exercises and written exam of 90 min or oral exams of 30 min each (less or equal 10 students)	Prof. Fetzer	on appointment
Ubiquitous Systems M1200-50310	NES-11 06 07	oral exam of 30 min (less or equal 10 students) or written exam of 120 min (more than 10 students)	Prof. Schill	on appointment
Memory Technology M1212-1M140	NES-12 12 03	**oral exam** of 25 min or written exam 90 min	Prof. Mikolajick	on appointment
Innovative Semiconductor Devices M1212-50160	NES-12 12 07 -14.1	oral exam	Prof. Mikolajick	on appointment
Theory of Nonlinear Networks M1208-50300	NES-12 08 05	written exam of 90 min	Prof. Tetzlaff	not offered
Neural Networks and Memristive Hardware Accelerators M1208-50400	NES-22-E-NNMHA	oral exam presentation	Prof. Tetzlaff	15.06.

signed Prof. Th. Mikolajick
Chairman of the Examination Board