

Examination Plan for **SoSe 24**
 Master's Program **Nanoelectronic Systems**
2. Semester
 Examination Periode from **22.07. bis 17.08.2024**

(subject to further changes)

Examination subject	Date	Professor	Place*	Time Duration
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Compulsory modules

Lab Sessions (NES-11 06 01-19.1) M1200-50040 Selection 1 out of 3: <i>Praktikumsprotokoll 2 (protocols)</i>	on appoint.	Prof. Mikolajick Dr. Matus Prof. Leo	-	-
Semiconductor Technology (NES-12 12 02-19.1) M1212-50080	14.08.2024	Prof. Mannsfeld Dr. Hamsch	BAR/SCHÖ/E	2./3. DS 120 min
Radio Frequency Integrated Circuits (NES-12 08 02-14.1) M1208-11100	23.07.2024	Prof. Ellinger Dr. Schumann	TRE/PHYS/E	1./2. DS 120 min
Hardware/Software Codesign (NES-12 10 03-14.3) M1210-50030	07.08.2024	Prof. Fettweis Dr. Matus	BAR/SCHÖ/E	1./2. DS 120 min

Optional modules

German Language and Culture (NES-30 GLC-14.1) M1200-50140	on appoint.	-	-	90 min
Communications (NES-12 10 02-14.1) M1210-50100	12.08.2024	Prof. Fettweis	HSZ/405/U HSZ/04/H	1./2. DS 120 min

VLSI Processor Design (NES-12 08 07) M1208-50320 <i>Projektarbeit (project work)</i>	on appoint.	Prof. Mayr	-	-
<i>Referat (presentation)</i>	on appoint.	Prof. Mayr	-	-
Nanotechnology and Material Science (NES-13 14 01-14.1) M1200-50220 <i>Klausurarbeit/Mündliche Prüfungsleistung 1 (written or oral exam)</i>	16.07.2024	Prof. Cuniberti	BER 105	2. DS 20 min or 90 min
<i>Mündliche Prüfungsleistung 2 (oral exam)</i>	on appoint.	Prof. Eng	-	- 20 min
<i>Praktikumsbericht (protocols)</i>	on appoint.	Prof. Cuniberti	-	-
Neuromorphic VLSI Systems (NES-12 08 06) M1208-11360 <i>Beleg (assigned paper)</i>	on appoint.	Prof. Mayr	-	-
<i>Referat (presentation)</i>	on appoint.	Prof. Mayr	-	-
Foundations of Software-Fault Tolerance (NES-INF-DSE-20-E-SFT) M1200-50270	on appoint.	Prof. Fetzer	-	- 30 min
Wireless Sensor Networks (NES-11 06 04-14.1) M1200-50330	on appoint.	Prof. Wählich Dr. Dargie	-	- 60 min
Materials for the 3D System Integration (NES-12 06 01-14.1) M1206-50200 <i>Klausurarbeit 3D System Integration and 3D Technologies (written exam)</i>	25.07.2024	Prof. Panchenko	GÖR/229/U	3. DS 90 min
Applied Joint Communication and Sensing Systems (NES-E-AJCAS) M1210-50510	23.07.2024	Prof. Fettweis	BAR/I88/U	2. DS 90 min

Introduction to Optical Nonclassical Computing: Concepts and Devices (NES-12 10 08) M1210-50340 <i>Mündliche Prüfungsleistung (oral exam)</i>	on appoint.	Prof. Jamshidi	-	- 30 min
<i>Präsentation (presentation)</i>	on appoint.	Prof. Jamshidi	-	- 20 min
Design and Programming of Embedded Multicore Architectures (NES-11 20 19) M1200-50350	16.08.2024	Prof. Göhringer	HÜL/S186/H	4. DS 60 min
Antennas and Radar Systems (NES-12 10 05-20.1) M1210-50360	on appoint.	Prof. Plette-meier	-	- 45 min
Requirements and Methodologies for Design of Integrated Circuits from Industrial Production Perspective (NES-E-LSer-23) M1212-50440	29.07.2024	Prof. Mikolajick	BAR/SCHÖ/E	2. DS 90 min
Deep Neural Network Hardware (NES-E-DNNH-23) M1208-50450	02.08.2024	Prof. Mayr	HSZ/304/Z	1. DS 90 min
Physical Design (NES-E-PD-23) M1210-50420 <i>Präsentation Physical Design (presentation)</i>	on appoint.	Prof. Fettweis	-	-
<i>Schriftlicher Bericht Physical Design (assigned paper)</i>	on appoint.	Prof. Fettweis	-	-
Resource Management (NES-E-ResM-23) M1200-50430	on appoint.	Prof. Sassen	-	-

Adaptive Laser Systems (NES-E-AdLsy) M1208-50520 Mündliche Prüfungsleistung (oral exam)	on appoint.	Prof. Czarske	-	- 20 min
Praktikum (lab)	on appoint.	Prof. Czarske	-	-
Adaptive Computing Systems for Robotics (NES-E-ACSR) M1100-50500	31.07.2024	Prof. Göhringer	BAR/SCHÖ/E	4. DS 60 min

Re-examination

Principles of Dependable Systems (NES-11 06 02-14.1) M1200-50050 Klausurarbeit/Mündliche Prüfungsleistung (written or oral exam)	26.07.2024	Prof. Fetzer Dr. Martin	APB E001	2. DS 30 min or 90 min
Übungsaufgaben (exercises)	on appoint.	Prof. Fetzer	-	-
Stochastic Signals and Systems (NES-12 09 01-14.1) M1210-50280	09.08.2024	Prof. Schaefer	HÜL/S386/H	2. DS 90 min
Foundations of Systems Engineering (NES-INF-DSE-20-M- SE1) M1200-50290 Klausurarbeit (exam)	22.07.2024	Prof. Fetzer	APB E001	2. DS 60 min
Übungsaufgaben (exercises)	on appoint.	Prof. Fetzer	-	-
Hardware/Software Codesign Lab (NES-12 10 04-14.1) M1210-50150 Re-exam only!	on appoint.	Dr. Matus	-	-
Memory Technology (NES-12 12 03-14.1) M1212-1M140	on appoint.	Prof. Mikolajick	-	- 15 min or 90 min

* Floor plan: see notice board!

signed Prof. Dr.-Ing. T. Mikolajick
Chairman of the Examination Board