

Faculty of Electrical and Computer Engineering

Examination office

10.11.2025

Examination plan for

WiSe 25/26

Master's program

**Nanoelectronic Systems
3. Semester**

new study guide

Examination periode from

09.02. bis 07.03.2026

(subject to further changes)

Examination subject	Date	Professor	Place*	Time Duration
Compulsory modules				
Academic and Scientific Work (Eul-NES-C-ASW) M1200-NP001 Selection 1 out of 3: Paper Reading Group <i>Komplexe Leistung (complex achievement)</i>	on appoint.	Prof. Mikolajick	-	-
Photonic Devices Group <i>Komplexe Leistung (complex achievement)</i>	on appoint.	Prof. Jamshidi	-	-
Nanoelectronic Systems Design Student Conference <i>Komplexe Leistung (complex achievement)</i>	on appoint.	Prof. Fettweis	-	-
Project Work (Eul-NES-C-PW) M1200-NP003 No registration at SELMA required	on appoint.	Prof. Mikolajick	-	-
Optional modules				

Materials for the 3D System Integration (Eul-NES-E-3DSI) M1206-NW001 <i>Komplexe Leistung Mikro-/Nanowerkstoffsysteme und Zuverlässigkeitsaspekte (complex achievement)</i>	25.02.2026	Prof. Panchenko	on appoint.	- 90 min
Memory Technology (Eul-NES-E-MemTe) M1212-EM009	20.02.2026	Prof. Mikolajick		90 min
Nano&Optics (PHY-NES-E-NanOP) M1200-NW017	on appoint.	Prof. Eng	-	- 20 min
Communication Networks 3 (NES-12 10 20) M1210-1I280 <i>Klausurarbeit/Mündliche Prüfungsleistung (oral or written exam)</i>	02.03.2026	Jun.-Prof. Bassoli		120 min
<i>Projektarbeit (project work)</i>	on appoint.	Jun.-Prof. Bassoli	-	-
Computational Laser Systems (Eul-NES-E-ComLS) M1208-EA017	on appoint.	Prof. Czarske	-	- 30 min
Electromechanical Networks (Eul-NES-E-EMNet) M1212-NW004	09.02.2026	Prof. Marschner		120 min
Foundations of Certified Programming Language and Compiler Design (Eul-NES-E-FCPL) M1200-50460	on appoint.	Dr. Ertel	-	- 30 min
Fundamentals of Estimation and Detection (Eul-NES-E-FED) M1210-NW006	23.02.2026	Dr. Rave		120 min

Hardware Modelling and Simulation (INF-NES-E-HMS) M1200-IKI18	16.02.2026	Prof. Göhringer		60 min
Innovative Concepts for Active Nanoelectronic Devices (EuI-NES-E-ICAND) M1212-EM011 <i>Klausurarbeit (written exam)</i>	27.02.2026	Prof. Mikolajick		120 min
<i>Portfolio (portfolio)</i>	on appoint.	Prof. Mikolajick	-	-
Integrated Circuits for Broadband Optical Communications (EuI-NES-E-ICBC) M1208-EI028	06.03.2026	Prof. Ellinger		120 min
Integrated Photonic Devices for Communications and Signal Processing (EuI-NES-E-IPD) M1210-NW008	on appoint.	Prof. Jamshidi	-	-
Joint Communication and Sensing RF Hardware (EuI-NES-E-HJCAS) M1210-NW022	05.03.2026	Prof. Fettweis		90 min
Molecular Electronics (MW-NES-E-MoEI) M1200-NW015	on appoint.	Prof. Erbe	-	- 20 min
Optoelectronic Devices and Systems (EuI-NES-E-OPTO) M1200-NW010	on appoint.	Prof. Lakner	-	- 20 min
Quantum Mechanics for Nanoelectronics (PHY-NES-E-QMNE) M1200-NW019	on appoint.	Prof. Helm	-	- 30 min

Re-examination

Semiconductor Technology (EuI-NES-C-SCT) M1200-NP005	04.03.2026	Prof. Mannsfeld Dr. Hambsch		120 min
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Hardware/Software Codesign (Eul-NES-C-HwSwC) M1210-NP002	24.02.2026	Prof. Fettweis Dr. Matus		120 min
Radio Frequency Integrated Circuits (Eul-NES-C-RFIC) M1208-NP004	11.02.2026	Prof. Ellinger Dr. Schumann		120 min
Communications (Eul-NES-E-Comms) M1210-NW003	13.02.2026	Prof. Fettweis		120 min
Neuromorphic VLSI Systems (Eul-NES-E-NVLSI) M1208-EI018 <i>Portfolio</i>	on appoint.	Prof. Mayr	-	-
VLSI Processor Design (Eul-NES-E-VLSI) M1208-EI023	on appoint.	Prof. Mayr	-	-

*** Floor plan: see notice board!**

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