

Compulsory courses	Compulsory courses: Internship & MSc assignment	Deficiency courses
Solid State Matter	(Bio)Molecular Matter	Soft Matter combined with Systems

Year 1				
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
	Characterisation	Fabrication	Design + Application	Internship
Core modules	Characterisation of Nanostructures (7.5 EC; Huijsjer)	Fabrication of Nanostructures (7.5 EC; Huskens)	Design project (10 EC; Tas)	Internship & Job Orientation Project (20 EC)
	Nano-Lab: Fabrication & Characterization (5 EC; Tiggelaar/Elbersen)			
	Nanoscience (5 EC; Zandvliet)	SOL: Nano-electronics	SOL: AMM IMS	
		BMM: Nanomedicine	BMM: Bionanotechn.	
		SMS: Lab on a chip	SMS: Nanofluidics	
	Deficiency	Workshop Acadmic Skills		
Intro. Nanoscience				
Prog. in Eng.				
A first practical course in Electronics				

	Electives			
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
Electives	Theoretical solid state Physics, <i>Kelly</i>	Surfaces in thin films, <i>Wormeester</i>	Nanophysics, <i>Zandvliet & Brocks & Golubov</i>	Chemistry of inorganic materials and nanostructures, <i>Ten Elshof</i>
	Quantum optics, <i>Pinkse</i>	Nanophotonics, <i>Vos</i>		
	Biophysical techn. & molecular imaging, <i>Otto + Blum</i>	AMM Organic Materials Science, <i>Vancso</i>	Biomedical Signal Acquisition, <i>Olthuis</i>	
	Transducer science, <i>Krijnen</i>	EMstatics, <i>Krijnen</i>	MEMS design, <i>Tas & Wiegerink</i>	
	Systems-on-chip for embedded systems, <i>Kerkhof+ Gerez+vdZee</i>		Design Principles for Precision Mechanisms, <i>Brouwer (CTW)</i>	

Electives n.s.	Modern topics in condensed matter, Houselt, Kooij, Wormeester, Zandvliet
	Macromolecular Nanotechnology, Vancso
	Advanced semiconductor devices, Salm

Year 2				
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
	Nano-research	Master's Final Project preparation, evaluation		
Core modules	Continuation Internship & Job Orientation Project	Societal Embedding Master's Final Project (40 EC) incl. societal embedding (3rd quarter)		
	SOL: Nano-optics			
	BMM: (Bio)mol C&T			
	SMS: Soft & bio matter or Adv. Colloids & Interfaces			
	Elective (5EC)	1 Elective or C.S. research group5 in quarter 2, 3 or 4 (also subject from 1st year are allowed)		