

## CORE MODULES YEAR 1 AND YEAR 2

Year 1				
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
	Characterisation	Fabrication	Design + Application	Internship
Core modules	Characterisation of Nanostructures (7.5 EC; Schön)	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 BMM: Nanomedicine SMS: Lab on a chip	SOL: AMM Adv. Mat. or Adv. Materials BMM: Bionanotechn. SMS: Nanofluidics	

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	Master's Final Project (40 EC)		
	SOL: Nano-optics BMM: (Bio)mol C&T SMS: Soft & bio matter or Colloids & Interfaces			
	Elective (5EC)	1 Elective or C.S. research group <sup>5</sup> in quarter 2, 3 or 4 (also subject from 1st year are allowed)		

# ELECTIVES

	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 &amp; Brocks &amp; Golubov</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 &amp; 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.	Chemistry of inorganic materials and nanostructures, <i>Ten Elshof</i>
	Modern topics in condensed matter, <i>Houselt, Kooij, Wormeester, Zandvliet</i>
	Macromolecular Nanotechnology, <i>Vancso</i>
	Advanced semiconductor devices, <i>Salm</i>