Compuslory 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; Huijser)	**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**	**Matlab for pre-masters ET**	**A first practical course in Electronics**	
	Intro. Nanoscience			

	Year 2			
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
	Nano-research	Master's Final Project preparation, evaluation		
Core modules	**of**	**Societal Embedding**		
	SOL: Nanomat. research or Nano-optics	**Master's Final Project** (40 EC) incl. societal embedding (3rd quarter)		
	BMM: (Bio)mol C&T			
	SMS: 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)		

	Electives			
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
Electives	Nanophysics, *Zandvliet & Brocks & Golubov*	Theoretical solid state Physics, Kelly	Surfaces in thin films, Wormeester	Chem. of inorg. Mat. and nanostruc.,*Ten Elshof*
	Quantum optics, *Pinkse*		Nanophotonics, *Vos*	Modern topics in condensed matter, *Houselt, Kooij, Wormeester, Zandvliet*
	Biophysical techn. & molecular imaging, *Otto + Blum*	AMM Organic Materials Science, *Vancso*	Biomedical Signal Acquisition, *Olthuis*	
	Transducer science, *Krijnen*	EMstatics, *Krijnen*	Micro Electro Mechanical Systems (MEMS) Design, *Tas & Wiegerink*	
	Systems-on-chip for embedded systems, *Kerkhof+ Gerez+vdZee*		Design Principles for Precision Mechanisms, *Brouwer (ET)*	

Electives n.s.	
	Macromolecular Nanotechnology, Vancso
	Advanced semiconductor devices, Salm