Block view of the study programme

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Block 1

Coordinating institution : UCL

Admission and registration procedures should be carried out with the referring establishment.

Full programme available at:
https://uclouvain.be/prog-2025-nano2mc-programme

ULiege training offer

Common core courses

NANO0001-1	*Seminars on the ethical and socio-economic aspects of nanotechnologies*	Q2	15	15	-	**2**
SMEM0038-1	*Master thesis* - COLLÉGIALITÉ	TA	-	-	-	**25**

C. Chemistry and physics of nanomaterials

CHIM9230-1	*Physical chemistry of nanostructures and single molecules* (english language) - AnneSophie DUWEZ	Q1	25	-	-	**4**
CHIM0072-2	*Nanomaterials and divided materials engineering* - Benoît HEINRICHS, Stéphanie LAMBERT, Alexandre LÉONARD	Q1	15	15	-	**3**
PHYS3004-1	*Physics of nanomaterials* (english language)	Q2	20	10	-	**4**
PHYS3037-1	*Nanofabrication : principles and techniques* (english language) - Ngoc Duy NGUYEN, Alejandro SILHANEK	Q2	25	20	-	**5**
CHIM0698-1	*Introduction to the Physical Chemistry of Nanomaterials* (english language) - Cédric GOMMES	Q2	20	10	-	**3**
PHYS3014-1	*Physics and chemistry of materials: complements* (english language) - [15h Proj.]	Q1	5	-	[+]	**2**

Optional courses

CHIM9233-1	*Molecular logic and quantum computing* (english language) - Françoise REMACLE	Q2	15	-	-	**2**
PHYS0975-1	*Introduction to soft matter and complex systems* - Nicolas VANDEWALLE	Q1	30	-	-	**5**
PHYS3023-1	*Physics of magnetic materials* (english language) - Eric BOUSQUET	Q2	20	10	-	**4**
PHYS0987-1	*Physics of materials for energy* (english language) - Ngoc Duy NGUYEN - [15h Proj.]	Q1	20	-	[+]	**4**
PHYS0981-1	*Quantum modelling of materials properties* (english language) - Philippe GHOSEZ	Q1	20	10	-	**4**
CHIM9236-2	*Microstructure of materials : characterization techniques* (Odd years) - *Part A* - Catherine HENRIST - *Part B* - Catherine HENRIST	Q2	 15 10	 - -	 - -	**3**
ELEN0069-1	*Nanoelectronics / Optoelectronics* (english language) - Benoît VANDERHEYDEN - [40h Proj.]	Q2	30	-	[+]	**5**
PHYS3003-1	*Physics of functional oxides* (english language) - Philippe GHOSEZ	Q1	20	10	-	**4**
PHYS3140-1	*Magnetism and superconductivity* (english language) - Bertrand DUPÉ	Q1	20	10	-	**4**
CHIM0752-1	*Single-molecule approaches in biology and chemistry* (english language) - Damien SLUYSMANS	Q1	25	-	-	**4**