

## Nanoscience Topmaster programme

### Partial listing of elective courses (version of January 21<sup>st</sup> 2016)

	Coursecode Ocasys	Description Ocasys	ECTS Ocasys	ECTS Nanoscience
semester I a 2016-2017	WMBE14003	<u>Biomaterials 2</u>	5	4
	NACP-11	<u>Computational physics</u>	5	3
*As far the schedule does not change	CHTCIE05E	<u>Interfacial engineering</u>	5	4
	NAMM-08	<u>Micromechanics</u>	5	4
	CHORM05E	<u>Reaction mechanisms</u>	5	4
	CHSPSM05E	<u>Structure determination with spectroscopic methods</u>	5	4
	NASI-08	<u>Surfaces and Interfaces</u>	5	3
	MLBB007	<u>Advanced Protein Crystallography</u>	5	4
	WMPH13001	<u>Advanced Quantum Mechanics</u>	5	4
*As far the schedule does not change	MLBMTCG	<u>Colloid and Interface Science</u>	5	4
	CHMQ105E	<u>Molecular quantum mechanics 1</u>	5	4
	CHNC-10	<u>Nanochemistry</u>	5	3
	CHTPP05E	<u>Polymer products</u>	5	4
	NAQVT-08	<u>Quantum field theory</u>	5	4
	STMASP-12	<u>Statistical signal processing (MSc)</u>	5	4
	CHTAPE05E	<u>Advanced product engineering</u>	5	4
semester II a 2015-2016	WMCH13009	Advances in Chemical Biology	5	4
	WMFA15001	<u>Biologische Interacties van Nanomaterialen</u>	5	4
	CHMQ205E	<u>Molecular quantum</u>	5	4

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		<u>mechanics 2</u>		
	NANLO-08	<u>Non-linear optics</u>	5	4
	CHOMS105E	<u>Organic synthesis: methods and strategy 1</u>	5	4
	CHOMC05E	<u>Organometallic chemistry</u>	5	4
	CHFPL05E	<u>Physics of lasers</u>	5	4
	NASMPH05E	<u>Statistical methods in physics</u>	5	4
	CHC3133E	<u>Supramolecular chemistry</u>	5	4
	NAITCMP-07	<u>Theoretical condensed matter physics</u>	5	4
semester II b 2015-2016	CHCMQC-08	<u>Computational Quantum Chemistry</u>	5	4
	NAIPP-09	<u>Introduction to plasma physics</u>	5	4
	NAMPS05E	<u>Many-particle systems</u>	5	4
	NAMM-12	<u>Mathematical methods of physics</u>	5	4
	NAMP-08	<u>Mesoscopic physics</u>	5	4
	CHMLM05E	<u>Modern laser microscopy</u>	5	4
	CHOMS205E	<u>Organic Synthesis: methods and strategy 2</u>	5	4
	WMCH13003	<u>Physical Methods for Chemical Analysis</u>	5	4
	CHPPH05E	<u>Polymer physics</u>	5	4
	CHOSC05E	<u>Stereochemistry (15/16)</u>	5	4
	WMCH13002	<u>Synthetic Biology &amp; Systems Chemistry</u>	5	4
	WMPH13007	<u>Ultrafast Time-Resolved Spectroscopy</u>	5	4