

## A single year

### Optional courses

LANG0840-1	<i>French, S1 - 1er quadrimestre</i> - ISLV	-	-	-	<b>5</b>
LANG0840-2	<i>French, S2 - 2e quadrimestre</i> - ISLV	-	-	-	<b>5</b>

### Erasmus Mundus Fame : Nanomaterials and Modelling

#### General courses

CHIM9227-1	<i>Quantum Chemistry</i> (english language) - Françoise REMACLE	30	10	-	<b>4</b>
PHYS3003-1	<i>Functional Materials : theory and modeling</i> (english language) - Philippe GHOSEZ - Suppl : Julien VARIGNON	20	10	-	<b>3</b>
CHIM9228-1	<i>Macromolecular Chemistry</i> (english language) - Christine JÉRÔME	20	15	-	<b>4</b>
CHIM9256-1	<i>Advanced solid state chemistry</i> - Bénédicte VERTRUYEN	30	-	-	<b>3</b>
CHIM9230-1	<i>Nanomaterials, (electro)synthesis and applications</i> (english language) - Christophe DETREMBLEUR, Christine JÉRÔME	30	-	-	<b>3</b>

#### Specialised courses

Courses totaling 13 ECTS have to be chosen among :

PHYS3014-1	<i>Physics and chemistry of materials : complements</i> - COLLÉGIALITÉ	20	-	-	<b>2</b>
PHYS3004-1	<i>Nanomaterials : theory and modeling</i> (english language) - JeanYves RATY	20	10	-	<b>3</b>
PHYS3015-1	<i>Electronic and vibrational spectroscopies</i> - Matthieu VERSTRAETE	15	15	-	<b>3</b>
CHIM9231-1	<i>Characterisation of Biomaterials</i> (english language) - Edwin DE PAUW, Valérie GABELICA, MarieClaire GILLET	15	15	-	<b>3</b>
CHIM9232-1	<i>Biohybrids: theory and modeling</i> (english language) - Françoise REMACLE	30	-	-	<b>3</b>
CHIM9233-1	<i>Molecular logic</i> (english language) - Françoise REMACLE	15	-	-	<b>2</b>
PHYS3005-2	<i>Magnetism and Nanomagnetism</i> (english language) - N...	15	10	-	<b>3</b>
CHIM9234-1	<i>Polymers and environment</i> - Philippe LECOMTE	15	-	-	<b>2</b>
CHIM9257-1	<i>Introduction to solid state NMR</i> - Christian DAMBLON, Philippe LECOMTE, Bénédicte VERTRUYEN	15	-	-	<b>2</b>
CHIM9235-1	<i>Characterization of nanostructures</i> - AnneSophie DUWEZ	15	-	-	<b>2</b>
PHYS3016-1	<i>Physical characterization of materials and interfaces</i> (english language) - Ngoc Duy NGUYEN	15	15	-	<b>3</b>
PHYS0096-1	<i>Physics of superconductors</i> - Alejandro SILHANEK	30	-	-	<b>3</b>

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LANG0840-1	<i>French, S1 - 1er quadrimestre</i> - ISLV	-	-	-	<b>5</b>
LANG0840-2	<i>French, S2 - 2e quadrimestre</i> - ISLV	-	-	-	<b>5</b>