

## Course description for the FAME Master Program

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**University of Liège**



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| <b>Course description (Semester 3)</b>             | <b>30 ECTS*</b> |
| *ECTS: European Credit Transfer System             |                 |
| <b>General courses</b>                             | <b>15 ECTS</b>  |
| Quantum Chemistry                                  | 3 ECTS          |
| Functional Materials: theory and modeling          | 3 ECTS          |
| Macromolecular Chemistry                           | 3 ECTS          |
| Advanced Inorganic Chemistry                       | 3 ECTS          |
| Nanomaterials, (electro)synthesis and applications | 3 ECTS          |
| <b>Specialised courses</b>                         | <b>15 ECTS</b>  |
| including tutorial and practice                    |                 |
| Nanomaterials : theory and modeling                | 3 ECTS          |
| Characterisation of Biomaterials                   | 3 ECTS          |
| Biohybrids: theory and modeling                    | 3 ECTS          |
| Molecular logic                                    | 1.5 ECTS        |
| Smart Materials                                    | 1.5 ECTS        |
| Magnetism and Nanomagnetism                        | 1.5 ECTS        |
| New developments in polymer synthesis              | 1.5 ECTS        |
| Large scale facilities: tools for materials study  | 1.5 ECTS        |