MSE-632

CCMX Winter School - Nanoparticles: From Fundamentals to Applications in Life Sciences
Various lecturers

<table>
<thead>
<tr>
<th>Cursus</th>
<th>Sem.</th>
<th>Type</th>
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<td>Science et génie des matériaux</td>
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<tr>
<th>Language</th>
<th>Credits</th>
<th>Session</th>
<th>Exam</th>
<th>Workload</th>
<th>Hours</th>
<th>Lecture</th>
<th>Exercises</th>
<th>Number of positions</th>
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<tr>
<td>English</td>
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<td>34</td>
<td>22</td>
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Frequency
Every year

Summary
Organised as 5 modules, the course addresses nanoparticles production, physico-chemical properties and risk assessment, biological and toxicological effects, in a variety of technological and clinical applications. It offers a skill set relevant to the participants research projects and careers.

Content
Please find information on the link below.

Keywords
Physico-chemical properties, synthesis and surface engineering, interaction of nanoparticles with the biological matrix, with biomolecules, with membranes and cells, nanotoxicological behaviour in animal and human models, medical and imaging applications of nanoparticles

Learning Prerequisites
Recommended courses
Master in materials science, chemistry, physics, biology, pharmaceutical sciences or life sciences

Assessment methods
Oral presentation

Resources
Websites