

Code	<b>SIE531</b>
Name	<b>Nanotechnology in Sustainable Construction Materials</b>
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall or Spring
Type	Elective
Prerequisites	
Coordinator(s)	
Description:	The course contain innovative approaches and applications that have emerged in recent years in the development of sustainable building materials includes following chapters; Nano-modification of cementitious materials; Use of carbon nanotubes and carbon nanofibers in cementitious materials; Use of nanoparticles in cementitious materials; Use of copper nanoparticles in steel; Silver nanoparticle containing coatings and paints.