

Code	SIE532
Name	Special Cements
Hour per week	3 (3 + 0)
Credit	3
ECTS	7,5
Level/Year	Graduate
Semester	Fall or Spring
Type	Elective
Prerequisites	
Coordinator(s)	
Description:	The course contains the other types of cement out of which commonly used in the building sector and used in special cases and applications and their properties. The course includes the following topics: White Portland cement production and hydration chemistry. Calcium aluminate cement; production, content, hydration, mechanical properties and durability properties. Special Portland-type cements and their properties; belite cement, expanded cement, Portland polymer cements, ferrite cement, hydrophobic portland cements, geopolymers and geopolymer cements.