

Syllabus

Syllabus

Titul dl curs	Edilizia ad alte prestazioni: sismica e resistenza al fuoco
Codesc dl curs	42643
Titul suplementar	
SSD	CEAR-07/A
Lingaz	Tedesco
Curs de laurea	Corso di laurea professionalizzante in Tecnologie del Legno
D'autri cursc de laurea (cursc deberieda)	
Dozenc	dr. Thomas Schrentewein, Thomas.Schrentewein2@unibz.it
Assistent didatich	
Semester	Primo semestre
Ann/Agn de stude	3
Credic universitars	4
Ores de insegnament	40
Ores de laboratorio	0
Ores de stude individual	60
Ores de riceviment prevedudes	12
Ressumè di contegnus	Construction systems and basics of multi-storey wooden buildings, seismic basics and terms, seismic loads and load-bearing capacity, earthquake resistant planning and design, introduction into seismic calculation and assessment, legal basics and terms of fire prevention, fire behavior and fire resistance of timber components, fire prevention of multi-storey wooden buildings, introduction into Fire Safety Engineering (FSE).
Argomenc dl curs	The purpose of the course is to provide the basic knowledge and the theoretical background on seismic design and fire resistance of timber buildings. The aim of the course is to provide students with an adequate command of general structural principles and fire

	design methods.
Paroles clef	Timber construction systems, earthquake safety, fire safety, fire behavior, Fire-Safety-Engineering (FSE)
Prerequisic aconsiés	None.
Cursc propedeutics	
Modalité de enseignament	Frontal lectures and discussions.
Oblianza de frecuencia	Recommended.
Obietifs formatifs y competenzes da arjonje	The purpose of the course is to provide the basic knowledge and the theoretical background on seismic design and fire resistance of timber buildings. The aim of the course is to provide students with an adequate command of general structural principles and fire design methods. Learning outcomes Intended Learning Outcomes (ILO): Knowledge and understanding 1. Knowledge of essential wooden construction systems 2. Understanding of earthquake resistant planning and design 3. Understanding of fire behavior of wood materials and fire resistance of timber components Ability to learn 4. Development of abilities and strategies to apply the learned skills into professional life.
Obietifs formatifs y competenzes da arjonje (informazioni supplementares)	
Sort de ejam	Formative assessment: - Lectures and discussions; length/duration: 40 h (total length of course); ILOs assessed: 1-4. - Summative assessment/final exam: Oral exam: 100%; length/duration: 45 min.; ILOs assessed: 1-4.
Criters de valutazion	Evaluation criteria of the oral exam: correct and complete response of oral questions, comprehension, technical competence.
Bibliografia obligatora	Lecture notes.
Bibliografia aconsieda	Is provided during the course.

Deplù informaziuns	
OSS	Innovazione e infrastrutture, Lotta contro il cambiamento climatico, Città e comunità sostenibili