

PROFESSOR	COURSE	SSD	THESIS TOPIC
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Circular economy in building design/sustainable buildings (circular building design)
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Building design/building automation for COVID-19 or health concerns
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Impact of COVID-19 on building operation/building load profiles
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Building design in light of climate-induced migrations or climate changes (flexible buildings)
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Building simulation models
Matteo Manganelli	Bioclimatic building design	ING-IND/11	Urban heat islands
Stefania Espa	Hydraulics	ICAR/01	Pipes in the human body: flow in blood vessels
Stefania Espa	Hydraulics	ICAR/01	River cross sections' surveys for open channel flows modelling
Carla Nardinocchi	Geomatics	ICAR/06	
Carla Nardinocchi	Geomatics	ICAR/06	tecniche di processamento dati GNSS
Carla Nardinocchi	Geomatics	ICAR/07	analisi di nuvole di punti (da laser aereo o terrestre)
Francesco Rossini	Construction site organization	ICAR/11	urban regeneration: transformation of an abandoned building into a sustainable multi-purpose building
Francesco Rossini	Construction site organization	ICAR/11	Optimizing construction process for industry: case study on building maintenance and tools replacement for sustainable 4.0 industry
Francesco Rossini	Construction site organization	ICAR/11	Sustainable Building Organization for
Francesco Rossini	Construction site organization	ICAR/11	Correlazioni/completamenti: ovvero il candidato propone la cantierizzazione di un progetto esecutivo elaborato per altri corsi
Fabio Russo	Hydrology	ICAR/02	Evaluation of satellite and Global Circulation Model (GCM) skills in detecting rainfall
Fabio Russo	Hydrology	ICAR/03	Review and practical application of methodologies for bias correction of satellite and GCM rainfall data
Fabio Russo	Hydrology	ICAR/04	Review and practical application of methodologies for estimating catchments response time
Fabio Russo	Hydrology	ICAR/05	Evaluation of satellite-based rainfall products in representing temporal structure of rain events
Fabio Russo	Hydrology	ICAR/06	Calibration and validation of hydrological models with satellite-based rainfall products
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Innovative building components and construction systems: massive timber, steel frame and prefabrication

Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Advanced façade design for energy efficiency
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Tempering passive building: climate-sensitive design
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Parametric building simulation in early design
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Urban climate change and building energy efficiency in light of the Renovation wave EU
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Cost-effectiveness design scenarios: materials and building components
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Natural ventilation, solar energy and daylight: modelling and design
Michele Morganti	Architectural technology and design for sustainable building	ICAR/10 ICAR/14	Circular building design, embodied energy, architecture 4.0
Agostina Chiavola	Principles of environmental engineering	ICAR/03	Contaminants of Emerging Concern: removal in the wastewater treatment plants through conventional and advanced biological processes
Agostina Chiavola	Principles of environmental engineering	ICAR/03	Contaminants of Emerging Concern: presence and removal in the drinking water treatment plants
Agostina Chiavola	Principles of environmental engineering	ICAR/03	SARS-CoV-2 in sewer systems and connected facilities
Agostina Chiavola	Principles of environmental engineering	ICAR/03	Application of nanotechnologies and nanomaterials in the wastewater treatment processes
Agostina Chiavola	Principles of environmental engineering	ICAR/03	Microplastics and nanoplastics in the water environment: sources, migration and transformation pathways
Giuseppe Sappa	Engineering Geology for Sustainable Building	GEO/05	Stratigraphic reports elaboration for geological model set up at the project scale
Giuseppe Sappa	Engineering Geology for Sustainable Building	GEO/05	Environmental characterization of soils, involved in work excavation
Giuseppe Sappa	Engineering Geology for Sustainable Building	GEO/05	Natural slopes characterization
Chiara Belingardi	Sustainable community planning	ICAR/20	a topic proposed by the student
Chiara Belingardi	Sustainable community planning	ICAR/20	SDGs and Sustainable Community Planning