

University of Pavia

Study Course: CIVIL ENGINEERING FOR MITIGATION OF RISK FROM NATURAL HAZARDS - 06418

Classe LM-23 Ingegneria civile

Regulations 2017/2018 - Course Regulations 2021/2022

Study Plan academic year 2022/2023

To be submitted online from October 3rd to October 17th 2022 (enrolled student only)

STUDENT NUMBER N.	SURNAME- NAME
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TRACK 01 - REDUCTION OF SEISMIC RISK (ROSE)

1° Year - academic year 2021/2022

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
508173 - DYNAMICS OF STRUCTURES	6	1		X	ICAR/08	Distinctive	First Semester
508174 - REINFORCED CONCRETE STRUCTURES	6	2		X	ICAR/09	Distinctive	First Semester
508171 - APPLIED MATHEMATICS	6	3		X	MAT/08	Related/Supplementary	First Semester
508175 - COMPUTATIONAL MECHANICS	6	4		X	ICAR/08	Distinctive	First Semester
508176 - FOUNDATION ENGINEERING AND EARTH RETAINING STRUCTURES	6	5		X	ICAR/07	Distinctive	Second Semester
508172 - PROBABILITY AND STATISTICS FOR ENGINEERING APPLICATIONS	6	6		X	ICAR/09	Distinctive	First Semester
508177 - SEISMIC HAZARD AND GEOTECHNICAL EARTHQUAKE ENGINEERING	12	7		X			Second Semester
Unità Didattiche di SEISMIC HAZARD AND GEOTECHNICAL EARTHQUAKE ENGINEERING							
508178 - SEISMIC HAZARD AND APPLIED SEISMOLOGY	6				GEO/10	Related/Supplementary	Second Semester
508179 - GEOTECHNICAL EARTHQUAKE ENGINEERING	6				ICAR/07	Distinctive	Second Semester
508180 - ADVANCED STRUCTURAL ANALYSIS AND FUNDAMENTALS OF SEISMIC DESIGN	12	8		X			Second Semester
Unità Didattiche di ADVANCED STRUCTURAL ANALYSIS AND FUNDAMENTALS OF SEISMIC DESIGN							
508181 - NONLINEAR RESPONSE ANALYSIS	6				ICAR/09	Distinctive	Second Semester
508182 - FUNDAMENTALS OF SEISMIC DESIGN	6				ICAR/09	Distinctive	Second Semester
TOT. 60 CFU							

2° Year - academic year 2022/2023

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
508185 - MASONRY STRUCTURES	6	9		X	ICAR/09	Distinctive	First Semester
508186 - BRIDGE STRUCTURES	6	10		X	ICAR/09	Distinctive	First Semester
509688 - RISK ASSESSMENT AND LOSS ESTIMATION	6	11		X	ICAR/09	Distinctive	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12	12				Optional	
508189 - STEEL STRUCTURES	6	12			ICAR/09	Optional	First Semester
509689 SEISMIC ISOLATION AND DISSIPATION	6	12			ICAR/09	Optional	First Semester
508193 - RISK EMERGENCY MANAGEMENT AND LEGISLATION	6	12			IUS/02	Optional	First Semester
508194 - ENGINEERING GEOLOGY	6	12			GEO/05	Optional	First Semester
508207 - PROJECT WORK	3			X	NN	Other	Second Semester

503327 - MASTER THESIS	27			X	PROFIN_S	Final Exam	
508746 - ADVANCED TOPICS IN ASSESSMENT AND MITIGATION OF NATURAL RISKS	6				NN	Optional	
TOT. 60 CFU							

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TRACK 02 - HYDROGEOLOGICAL RISK ASSESSMENT AND MITIGATION (HYRIS)

1° Year - academic year 2021/2022

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
508196 - CONTINUUM MECHANICS	6	1		X	ICAR/01	Distinctive	First Semester
508069 - FLUVIAL HYDRAULICS	6	2		X	ICAR/01	Distinctive	First Semester
508171 - APPLIED MATHEMATICS	6	3		X	MAT/08	Related/Supplementary	First Semester
508197 - ENGINEERING GEOLOGY AND HYDROMORPHOLOGY	12	4		X			First Semester
Unità Didattiche di ENGINEERING GEOLOGY AND HYDROMORPHOLOGY							
508194 - ENGINEERING GEOLOGY	6				GEO/05	Related/Supplementary	First Semester
508198 - HYDROMORPHOLOGY	6				GEO/04	Related/Supplementary	Second Semester
508172 - PROBABILITY AND STATISTICS FOR ENGINEERING APPLICATIONS	6	5		X	ICAR/09	Distinctive	First Semester
508199 - LANDSLIDES HAZARD AND RISK	6	6		X	GEO/05	Related/Supplementary	Second Semester
508200 - GEOMATICS AND GIS	6	7		X	GEO/04	Related/Supplementary	All Year
508201 - COMPUTATIONAL FLUID DYNAMICS	6	8		X	ICAR/01	Distinctive	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	9				Optional	
508081 - SNOW AVALANCHES AND RELATED MOUNTAIN NATURAL HAZARDS	6	9			ICAR/02	Optional	Second Semester
TOT. 60 CFU							

2° Year - academic year 2022/2023

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
508202 - HYDROLOGICAL RISKS	6	10		X	ICAR/02	Distinctive	First Semester
508203 - FLOOD PROPAGATION AND STRUCTURAL MEASURES FOR FLOOD RISK MITIGATION	12	11		X			First Semester
Unità Didattiche di FLOOD PROPAGATION AND STRUCTURAL MEASURES FOR FLOOD RISK MITIGATION							
507329 - FLOOD PROPAGATION	6				ICAR/02	Distinctive	First Semester
508204 - STRUCTURAL MEASURES FOR FLOOD RISK MITIGATION	6				ICAR/01	Distinctive	First Semester
509634 - RELIABLE DESIGN AND MANAGEMENT OF URBAN HYDRAULIC INFRASTRUCTURES	6	12		X	ICAR/02	Distinctive	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	13				Optional	
508206 - EARTH SURFACE AND PROCESSES	6	13			GEO/04	Optional	Second Semester
508176 - FOUNDATION ENGINEERING AND EARTH RETAINING STRUCTURES	6	13			ICAR/07	Optional	Second Semester
508193 - RISK EMERGENCY MANAGEMENT AND LEGISLATION	6	13			IUS/02	Optional	First Semester
509321 - LANDSLIDE MODELING AND MITIGATION STRATEGIES	6	13			ICAR/07	Optional	First Semester

508207 - PROJECT WORK	3			X	NN	Other	Second Semester
503327 - MASTER THESIS	27			X	PROFIN_S	Final Exam	
508746 - ADVANCED TOPICS IN ASSESSMENT AND MITIGATION OF NATURAL RISKS	6				NN	Optional	
TOT. 60 CFU							

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- [The semester assigned to each learning activity may change. Refer to the time schedule published in the faculty website for confirmation.](#)
- [For more information please refer to the course catalogue.](#)

Date

Signature

The study plan is not to be modified. Students can apply for an exception but they have to submit a valid motive. When a student submit a change which is not proposed in a standard study plan, the study plan becomes an individual study plan.

In order to do so, draw a line on the subject you wish to change, add the new subject in the orange boxes at the end of the study plan.

Insert the progressive number assigned to the subject you wish to change.

Please note that a revenue stamp of 16€ is due to apply for an individual study plan. This new plan will have to be approved

by the committee designated by the competent Teaching Council.