

# 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 2018/2019

Study Plan academic year 2019/2020

To be submitted online from .... October to ..... October 2018 (enrolled student only)

STUDENT NUMBER N. .... SURNAME- NAME .....

### TRACK 01 - REDUCTION OF SEISMIC RISK (ROSE)

1° Year - academic year 2018/2019

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	First Semester
508172 - PROBABILITY AND STATISTICS FOR ENGINEERING APPLICATIONS	6	6		X	ICAR/09	Distinctive	Second 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
<b>TOT. 60 CFU</b>							

## 2° Year - academic year 2019/2020

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
508188 - SEISMIC RISK	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
508190 - ACTIVE TECTONICS	6	12			GEO/03	Optional	First Semester
508191 - NON-STRUCTURAL ELEMENTS	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	
TOT. 60 CFU							

## TRACK 02 - HYDROGEOLOGICAL RISK ASSESSMENT AND MITIGATION (HYRIS)

### 1° Year - academic year 2018/2019

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	First Semester
508172 - PROBABILITY AND STATISTICS FOR ENGINEERING APPLICATIONS	6	5		X	ICAR/09	Distinctive	Second 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	Second Semester

508201 - COMPUTATIONAL FLUID DYNAMICS	6	8		X	ICAR/01	Distinctive	Second Semester
508081 - SNOW AVALANCHES AND RELATED MOUNTAIN NATURAL HAZARDS	6	9		X	ICAR/02	Distinctive	Second Semester
<b>TOT. 60 CFU</b>							

## 2° Year - academic year 2019/2020

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
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12	12				Optional	
508205 - HYDRAULIC INFRASTRUCTURES	6	12			ICAR/02	Optional	First Semester
508206 - EARTH SURFACE AND PROCESSES	6	12			GEO/04	Optional	First Semester
508176 - FOUNDATION ENGINEERING AND EARTH RETAINING STRUCTURES	6	12			ICAR/07	Optional	Second semester
508193 - RISK EMERGENCY MANAGEMENT AND LEGISLATION	6	12			IUS/02	Optional	First Semester
508207 - PROJECT WORK	3			X	NN	Other	Second Semester
503327 - MASTER THESIS	27			X	PROFIN_S	Final Exam	
<b>TOT. 60 CFU</b>							

Date .....

Signature .....

**Variations on the study plan will not be approved unless they are justified by important reasons. If you wish to make different choices from the one provided, the study plan is individual. (WRITE THE NEW NAME OF EXAM IN THE COLORED BOX AND DRAW A LINE ON THE EXAM YOU WISH TO CHANGE. WRITE THE NUMBER OF CHOICE THE EXAM REFERS TO IN THE COLORED BOX)**

**It is required to add a revenue stamp of 16€ to the form and the study plan will be submitted to the qualified Teaching Council**

**Approved by .....**

**THIS STUDY PLAN IS WRITTEN IN COMPLIANCE TO THE STUDY COURSE REGULATIONS AND TO THE STUDENT ENROLLMENT CLASS ("SCHEDA RAD")**

**HEAD OF .....**