

MSc in Environmental Science

SPRING 2023

C - EARTH SURFACE PROCESSES IN MOUNTAIN ENVIRONMENTS

Course	Course ID	Person in charge	Semester	Nb hours	NB ECTS	Eval.
Module 1 / Compulsory						
Statistical analysis in environmental sciences	SAES	P. Vitteu, P. de Anna	SP	27 C, TP	3	E
Masters Project Preparation (MPP)	MPP	P. de Anna, G. Mariéthoz, A. Ballu	SP	8 C		P
Module 2 / Optional - Student chooses 4 out of 7 courses						
Weather and Climate dynamics	WCD	D. Domeisen	SP	40 C, TP	5	P
Watershed and river network modelling	WRNM	N. Peleg / V. Ruiz-Villanueva	SP	48 C, TP	5	P
Model parameter estimation and uncertainty quantification	MPE	N. Linde (resp) J. Hunziker	SP	48 C, TP	5	P
Module 3C / Orientation Earth surface processes in Mountain Environments						
Mountain ecosystems: Pattern & Processes	MEPP	A. Guisan	SP	28 C, 52 T	5	P + 20.03 / 3.03/13.03
GIS-based analysis for mountain geomorphology	GIS	C. Lambiel	SP	28 C, TP	3	P
Mountain streams; ecological processes and management	MSEP	S. Lane	SP	24 C, TP	3	P
Erosion and slope movements	ESM	M. Jaboyeaud	SP	48 C, TP	5	P / O 21.03

Glossary : C: Cours/Course T: Terrain/Field TP: Travaux pratiques/Practical work
 Evaluation: O: Oral P: Pratique/Practical E: Ecrit / Written

1	Monday 20.02.23	Tuesday 21.02.23	Wednesday 22.02.23	Thursday 23.02.23	Friday 24.02.23
8h30-10h			WRNM		
10h15-11h	WRNM	MEPP	MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	WCD	SAES	MPE	MPE	
14h-15h					
15h-16h					
16h-17h				MPP	
17h-18h					

2	Monday 27.02.23	Tuesday 28.02.23	Wednesday 01.03.23	Thursday 02.03.23	Friday 03.03.23
8h30-10h			WRNM		
10h15-11h	WRNM		MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	WCD	SAES	MPE	MPE	
14h-15h					
15h-16h					
16h-17h					
17h-18h					

3	Monday 06.03.23	Tuesday 07.03.23	Wednesday 08.03.23	Thursday 09.03.23	Friday 10.03.23
8h30-10h	Conservation career day		WRNM		
10h15-11h		MEPP	MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	SAES	MPE	MPE		
14h-15h					
15h-16h					
16h-17h					
17h-18h					

4	Monday 13.03.23	Tuesday 14.03.23	Wednesday 15.03.23	Thursday 16.03.23	Friday 17.03.23
8h30-10h			WRNM		
10h15-11h	WRNM	MEPP	MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	WCD	SAES	MPE	MPE	
14h-15h					
15h-16h					
16h-17h					
17h-18h					

5	Monday 20.03.23	Tuesday 21.03.23	Wednesday 22.03.23	Thursday 23.03.23	Friday 24.03.23
8h30-10h			WRNM		
10h15-11h	WRNM		MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	WCD	SAES	MPE	MPE	
14h-15h					
15h-16h					
16h-17h					
17h-18h					

6	Monday 27.03.23	Tuesday 28.03.23	Wednesday 29.03.23	Thursday 30.03.23	Friday 31.03.23
8h30-10h			WRNM		
10h15-11h	WRNM		MPE	MPE	ESM
11h15-12h					
lunch break					
13h-14h	WCD	SAES	MPE	MPE	
14h-15h					
15h-16h					
16h-17h					
17h-18h					

7	Monday 03.04.23	Tuesday 04.04.23	Wednesday 05.04.23	Thursday 06.04.23	Friday 07.04.23
8h30-10h			WRNM		Good Friday
10h15-11h	WRNM				
11h15-12h					
lunch break					
13h-14h					
14h-15h	WCD	SAES	MPP		
15h-16h					
16h-17h					
17h-18h					

	Monday 10.04.23	Tuesday 11.04.23	Wednesday 12.04.23	Thursday 13.04.23	Friday 14.04.23
8h30-9h	Easter Holidays				
9h15-10h					
10h15-11h					
11h15-12h					
lunch break					
13h-14h					
14h-15h					
15h-16h					
16h-17h					
17h-18h					

8	Monday 17.04.23	Tuesday 18.04.23	Wednesday 19.04.23	Thursday 20.04.23	Friday 21.04.23
8h30-10h			WRNM	MSEP	MSEP
10h15-11h	WRNM				EOM
11h15-12h					
lunch break					
13h-14h					
14h-15h	WCD	SAES	MPP		
15h-16h					
16h-17h					
17h-18h					

9	Monday 24.04.23	Tuesday 25.04.23	Wednesday 26.04.23	Thursday 27.04.23	Friday 28.04.23
8h30-10h			WRNM	MSEP	MSEP
10h15-11h	WRNM				EOM
11h15-12h					
lunch break					
13h-14h					
14h-15h	WCD	SAES	MPP		
15h-16h					
16h-17h					
17h-18h					

10	Monday 01.05.23	Tuesday 02.05.23	Wednesday 03.05.23	Thursday 04.05.23	Friday 05.05.23
8h30-10h		MSEP	WRNM	MSEP	MSEP
10h15-11h	WRNM				
11h15-12h					
lunch break					
13h-14h	WCD				
14h-15h					
15h-16h					
16h-17h					
17h-18h					

11	Monday 08.05.23	Tuesday 09.05.23	Wednesday 10.05.23	Thursday 11.05.23	Friday 12.05.23
8h30-10h	GIS				MSEP
10h15-11h					WRNM
11h15-12h					
lunch break					
13h-14h					
14h-15h					
15h-16h					
16h-17h					
17h-18h					

12	Monday 15.05.23	Tuesday 16.05.23	Wednesday 17.05.23	Thursday 18.05.23	Friday 19.05.23
8h30-10h	MEPP		WRNM	Ascension	Pont de l'Ascension
10h15-11h			MSEP		
11h15-12h					
lunch break					
13h-14h			MSEP		
14h-15h					
15h-16h					
16h-17h					
17h-18h					

13	Monday 22.05.23	Tuesday 23.05.23	Wednesday 24.05.23	Thursday 25.05.23	Friday 26.05.23
8h30-10h			WRNM		WRNM
10h15-11h					
11h15-12h					
lunch break					
13h-14h					
14h-15h					
15h-16h					
16h-17h					
17h-18h					

14	Monday 29.05.23	Tuesday 30.05.23	Wednesday 31.05.23	Thursday 01.06.23	Friday 02.06.23
8h30-10h	Lundi de Pentecôte		MSEP		
10h15-11h					
11h15-12h			MSEP		
lunch break					
13h-14h					
14h-15h					
15h-16h					
16h-17h					
17h-18h					

July	Monday 10.07.23	Tuesday 11.07.23	Wednesday 12.07.23	Thursday 13.07.23	Friday 14.07.23
8h30-10h	MEPP				
10h15-11h					
11h15-12h					
lunch break					
13h-14h					
14h-15h					
15h-16h					
16h-17h					
17h-18h					