

MAS NATHAZ – Natural Hazards Management

Lecture Plan SS 2010

Master of Advanced Studies in Natural Hazards Management

Department of Civil, Environmental and Geomatic Engineering, ETH Zürich

Date	Module	Credit Points	Time	Responsible
SS 2010	Statistics and probability	2	30 h	Prof. M.H. Faber
	Hazard processes	2	30 h	Prof. S.M. Springman
	Hazard processes (advanced)	3	45 h	Prof. S.M. Springman
	Societal & cultural aspects in risk management	1	14 h	Prof. K. Seeland
	Case Study	4	60 h	Prof. M.H. Faber
Total		12	179 h	

Administration	Head	Study coordination
P. Zaniboni Institute of Structural Engineering HIL E 23.2 Wolfgang-Pauli-Strasse 15 CH-8093 Zürich Tel.: +41 44 633 66 69 zaniboni@ibk.baug.ethz.ch	Prof. Dr. M.H. Faber Institute of Structural Engineering HIL E 23.3 Wolfgang-Pauli-Strasse 15 CH-8093 Zürich Tel.: +41 44 633 31 17 faber@ibk.baug.ethz.ch	Dr. M. Schubert Institute of Structural Engineering HIL E 22.2 Wolfgang-Pauli-Strasse 15 CH-8093 Zürich Tel.: +41 44 633 61 09 schubert@ibk.baug.ethz.ch

SS 2010 / Lecture Week 1
01.03.2010 - 05.03.2010

Lesson	Time	Monday	Tuesday	Wednesday	Thursday	Friday
0	07:10 - 07:55					
1	08:00 - 08:45	Statistics HIL H 35.1 Prof. M.H. Faber		Case Study HIL H 35.1 Prof. M.H. Faber	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards Geotechnics HIL H 35.1 Prof. S.M. Springman
2	09:00 - 09:45					
3	10:00 - 10:45	Hazards (advanced) Hydrology HIL H 35.1 Prof. P. Burlando	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards (advanced) Meteorology HIL H 35.1 Prof. H. Wernli	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Statistics Exercise HIL H 35.1 Prof. M.H. Faber
4	11:00 - 11:45					
5	12:45 - 13:30	Hazards (advanced) Meteorology HIL H 35.1 Prof. C. Schär	Hazards (advanced) Hydrology HIL H 35.1 Prof. P. Burlando	Hazards (advanced) Meteorology HIL H 35.1 Prof. C. Schär	Hazards (advanced) Meteorology HIL H 35.1 Prof. H. Wernli	Case Study HIL H 35.1 Prof. M.H. Faber
6	13:45 - 14:30					
7	14:45 - 15:30	Case Study HIL H 35.1 Prof. M.H. Faber		Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Hazards Geotechnics HIL H 35.1 Prof. S.M. Springman	
8	15:45 - 16:30					
9	16:45 - 17:30		Hazards Geotechnics HIL H 35.1 Prof. S.M. Springman			
10	17:45 - 18:30					

SS 2010 / Lecture Week 2
22.03.2010 - 26.03.2010

Lesson	Time	Monday	Tuesday	Wednesday	Thursday	Friday
0	07:10 - 07:55					
1	08:00 - 08:45	Hazards Geotechnics HIL H 35.1 Prof. S.M. Springman	Hazards (advanced) Meteorology HIL H 35.1 Prof. H. Wernli	Case Study HIL H 35.1 Prof. M.H. Faber	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Hazards Geophysics HIL H 35.1 Prof. H. Maurer
2	09:00 - 09:45					
3	10:00 - 10:45	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards Seismology HIL H 35.1 Dr. J. Laue	Hazards (advanced) Geotechnics HIL H 35.1 Prof. S.M. Springman	Hazards Seismology HIL H 35.1 Dr. J. Laue	Statistics Exercise HIL H 35.1 Prof. M.H. Faber
4	11:00 - 11:45					
5	12:45 - 13:30		Hazards Geotechnics HIL B 25/27 Dr. F. Casini Dr. L Seward	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards (advanced) Meteorology HIL H 35.1 Dr. U. Germann	Hazards (advanced) Geotechnics HIL H 35.1 Prof. S.M. Springman
6	13:45 - 14:30					
7	14:45 - 15:30	Statistics HIL H 35.1 Prof. M.H. Faber	Case Study HIL H 35.1 Prof. M.H. Faber	Statistics HIL H 35.1 Prof. M.H. Faber	Hazards Cryosphere HIL H 35.1 Prof. M. Funk	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland
8	15:45 - 16:30					
9	16:45 - 17:30	Hazards Tutorial GeoTip (optional) HIL E 65 Dr. F. Casini Dr. L Seward		Statistics HIL H 35.1 Prof. M.H. Faber	Statistics Exercise HIL H 35.1 Prof. M.H. Faber	
10	17:45 - 18:30					

SS 2010 / Lecture Week 3
26.04.2010 - 30.04.2010

Lesson	Time	Monday	Tuesday	Wednesday	Thursday	Friday
0	07:10 - 07:55					
1	08:00 - 08:45	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards Cryosphere (advanced) HIL H 35.1 Prof. M. Funk	Case Study HIL H 35.1 Prof. M.H. Faber	Statistics Exercise HIL H 35.1 Prof. M.H. Faber	Hazards Geotechnics HIL H 35.1 Dr. B. Imre
2	09:00 - 09:45					
3	10:00 - 10:45	Case Study HIL H 35.1 Prof. M.H. Faber	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards Cryosphere HIL H 35.1 Prof. M. Funk	Case Study HIL H 35.1 Prof. M.H. Faber Dr. P. Greminger	Hazards Geotechnics (advanced) HIL H 35.1 Dr. B. Imre
4	11:00 - 11:45					
5	12:45 - 13:30	Hazards Tutorial GeoTip (optional) HIL G15.4 Dr. F. Casini Dr. L Seward	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Statistics HIL H 35.1 Prof. M.H. Faber	Hazards Cryosphere (advanced) HIL H 35.1 Prof. M. Funk	Case Study HIL H 35.1 Prof. M.H. Faber
6	13:45 - 14:30					
7	14:45 - 15:30	Hazards Meteorology (advanced) HIL H 35.1 Prof. H. Wernli	Hazards Permafrost HIL H 35.1 Dr. M. Phillips	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Hazards Seismology HIL H 35.1 Dr. J. Laue	Statistics HIL H 35.1 Prof. M.H. Faber
8	15:45 - 16:30					
9	16:45 - 17:30	Statistics Exercise HIL H 35.1 Prof. M.H. Faber	Hazards Permafrost (advanced)	Hazards Creeping Landslides (advanced) HIL H 35.1 Prof. A.M. Puzrin		Statistics Exercise HIL H 35.1 Prof. M.H. Faber
10	17:45 - 18:30					

SS 2010 / Lecture Week 4
31.05.2010 - 04.06.2010

Lesson	Time	Monday	Tuesday	Wednesday	Thursday	Friday
0	07:10 - 07:55					
1	08:00 - 08:45	Case Study HIL H 35.1 Prof. M.H. Faber	Hazards Debris flows HIL H 35.1 Dr. B. McArdell	Hazards Geotechnics (advanced) HIL H 35.1 Prof. S.M. Springman	Case Study HIL H 35.1 Prof. M.H. Faber	Case Study HIL H 35.1 Prof. M.H. Faber
2	09:00 - 09:45		Hazards Debris flows (advanced)			
3	10:00 - 10:45					
4	11:00 - 11:45					
5	12:45 - 13:30	Hazards Geotechnics (advanced) HIL H 35.1 Prof. S.M. Springman	Statistics HIL H 35.1 Prof. M.H. Faber	Hazards Submarine Landslides (advanced) HIL H 35.1 Prof. A. M. Puzrin	Statistics HIL H 35.1 Prof. M.H. Faber	
6	13:45 - 14:30					
7	14:45 - 15:30	Hazards Avalanches HIL H 35.1 Dr. J. Schweizer	Case Study HIL H 35.1 Prof. M.H. Faber	Statistics Exercise HIL H 35.1 Prof. M.H. Faber	Hazards (advanced) Hydrology HIL H 35.1 Prof. P. Burlando	
8	15:45 - 16:30					
9	16:45 - 17:30	Hazards Avalanches (advanced)	Societal & cultural aspects HIL H 35.1 Prof. K. Seeland	Case Study HIL H 35.1 Prof. M.H. Faber		
10	17:45 - 18:30					