<table>
<tr><td colspan="2" rowspan="2"><u>Hydrogeological Risk Assessment & Mitigation</u></td><td colspan="2">First semester</td><td></td><td colspan="4">Second semester</td><td></td></tr>
<tr><td>From last weeks of September to December</td><td>Month 5 (January)</td><td>Exams (February)</td><td>Month 1 (March)</td><td>Month 2 (April)</td><td>Month 3 (May)</td><td>Month 4 (June)</td><td>Exams (June-July)</td></tr>
<tr><td rowspan="4">1st year</td><td rowspan="4">Parallel</td><td colspan="2">Applied Mathematics (M. Martinelli)</td><td rowspan="4">Exams</td><td colspan="4">Hydromorphology (R. Bonì) / Geomatics and GIS (A.Taramelli, …)</td><td rowspan="4">Exams</td></tr>
<tr><td colspan="2" rowspan="2">Continuum Mechanics (S. Manenti)</td><td colspan="4">Computational Fluid Dynamics (S. Sibilla, Fenocchi)</td></tr>
<tr><td rowspan="2">Probability and Statistics for Eng Appl (P.Bazzurro, C.Giudicianni)</td><td colspan="4">Landslides hazard and risk (Meisina and Bordoni)</td></tr>
<tr><td>Engineering Geology (C. Meisina)</td><td>Fluvial Hydraulics (A. Fenocchi)</td><td colspan="4">Snow Avalanches and Related Mountain Natural Hazards (Barbolini, Pasian) ■</td></tr>
<tr><td rowspan="6">2ndyear</td><td rowspan="6">Parallel</td><td colspan="3">Reliable Design and Management of Urban Hydraulic infrastructures (E.Creaco)</td><td rowspan="6">Exams</td><td rowspan="4">Hydrological Risks (Dottori, Arosio) (March)</td><td>Risk Modelling and Climate (Martina) ■■1 (April-July) 3 CFU</td><td rowspan="4"></td><td rowspan="6">Exams</td></tr>
<tr><td colspan="3" rowspan="2">Flood Propagation (G.Petaccia)</td><td>Systemic risk and indirect impacts (M. Arosio) ■■ 2 (April-July) 3 CFU</td></tr>
<tr><td colspan="3" rowspan="2">Fluvial Protection Works (A. Fenocchi)</td><td>Foundation Engin. and Earth Ret. Structures ■■ (April) 6 CFU</td></tr>
<tr><td colspan="3"></td><td colspan="4">Hydraulic Measurements (Petaccia) ■■ 3</td></tr>
<tr><td colspan="3">Landslide Modelling and Mitigation Strategies (D. Gioffrè) ■■</td><td colspan="5">Thesis</td></tr>
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| ■ indicates the first elective option | |
| ■■ indicates the second elective option, as one 6 CFU course or as two 3 CFU courses (■■1, ■■ 2, ■■ 3) | |
| Mathematics and statistics | |
| Fluid and continuum mechanics | |
| Hazard and exposure; definition and modeling | |
| Risk analysis | |
| Measures for risk mitigation | |
| Complementary | |