## Course Programme for the Master in Geography (120 ECTS) - 2019/20 -
### Options: Nature, Society and Politics (HG) / Dynamics in Glaciology and Geomorphology (PG)

<table>
<thead>
<tr>
<th>Code</th>
<th>Teaching Unit Title (TU)</th>
<th>ECTS</th>
<th>Type of UE</th>
<th>Hours/semester</th>
<th>Evaluation: Acceptance</th>
<th>Evaluation: Mark Test/Duration</th>
<th>Semester</th>
<th>Day</th>
<th>Time</th>
<th>Lecturer/s</th>
<th>Room</th>
<th>Resp.</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>SGG.00409</td>
<td>Models, modeling &amp; representations</td>
<td>3</td>
<td>C</td>
<td>28</td>
<td>Present. + Project</td>
<td>AS</td>
<td>Mon</td>
<td>10-12</td>
<td>CB/MH/NS/LS</td>
<td>223</td>
<td>M. Hoelzle</td>
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<tr>
<td>SGG.00124</td>
<td>Hazards, risks and vulnerability</td>
<td>3</td>
<td>C</td>
<td>28</td>
<td>Written / 60 min.</td>
<td>AS</td>
<td>Mon</td>
<td>13-15</td>
<td>RD/LM/C</td>
<td>226</td>
<td>R. Delaloye</td>
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<tr>
<td>SGG.00426</td>
<td>Climate Change: state of the art and debates</td>
<td>3</td>
<td>S</td>
<td>28</td>
<td>Present. + Project</td>
<td>AS</td>
<td>Block</td>
<td>CH/OG</td>
<td>NS</td>
<td>226</td>
<td>N. Saizmann</td>
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<tr>
<td>SGG.00425</td>
<td>Data &amp; methods for environmental analysis</td>
<td>3</td>
<td>C</td>
<td>28</td>
<td>Project</td>
<td>AS</td>
<td>Block</td>
<td>NS</td>
<td>236</td>
<td>N. Saizmann</td>
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<td>SGG.00128</td>
<td>Geocolloquium</td>
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<td>C</td>
<td>28</td>
<td>Participation</td>
<td>AS/SS</td>
<td>Tue/Mon</td>
<td>16-18/11-12</td>
<td>All</td>
<td>Aud. 026</td>
<td>W. Joly/C. Bräillard</td>
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</tbody>
</table>

### ii. Dynamics in Glaciology and Geomorphology Module (DGG) - Compulsory courses (15 ECTS) belong to the Validation Package 1a - Elective courses (min. 10 ECTS, max. 18 ECTS) belong to the Validation Package 1b

#### Compulsory courses
- SGG.00444 Alpine cryosphere
- SGG.00445 Mountain geomorphology
- SGG.00446 Modelling of glaciers and permafrost
- SGG.00447 Applied geophysical methods
- SGG.00448 Project in cryosphere and geomorphology

#### Elective courses
- SGG.00515 Seminar in geomorphology
- SGG.00493 Seminar in climatology and glaciology
- SGG.00534 Field course in physical geography

### ii. Nature, Society and Politics Module (NSP) - Compulsory courses (15 ECTS) belong to the Validation Package 1a - Elective courses (min. 8 ECTS, max. 16 ECTS) belong to the Validation Package 1b

#### Compulsory courses
- SGG.00484 Social theories (seminar)
- SGG.00473 Seminar in global change, development & ethics
- SGG.00671 New approaches in human geography
- SGG.00485 Environmental History

#### Elective courses
- SGG.00486 Advanced social research methods
- SGG.00480 Field course in human geography

### Supporting Courses Module (SC) - This entire module belongs to the Validation Package 1b (min. 30 ECTS) in addition to the elective courses of the specialization module Ia or Ib

#### Effective supporting courses (suggestions only)
- English
- English for Masters Students of Science II B2-C2
- Geography at the University of Fribourg

#### Others
- Courses from any department of the Faculty of Sciences, from other faculties of the University of Fribourg, from other universities in Switzerland or abroad, with the consent of the supervisor of the Master thesis

### IV. Master Thesis Module (MT) - This entire module (60 ECTS) corresponds to the Validation Package 2

#### Elective courses
- SGG.0010 Master thesis seminar (preliminary)
- SGG.0005 Master thesis (incl. final public presentation)

### Validation Packages
- VP1a = CM + compulsory of DGG/NSP (30 ECTS), VP1b = electives of DGG/NSP + SC (min. 30 ECTS), VP2 = MT (60 ECTS)

As the DGG/NSP modules offer optional TU, their ECTS volume can vary. Therefore, the SC module acts as a buffer to match a total amount of credits being equal or overpassing 120 ECTS.