# Course Programme for the Master in Geography (120 ECTS) - 2018/19 -

**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</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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<tbody>
<tr>
<td>GG.0409</td>
<td>Models, modelling &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>JBM/HNS/LS</td>
<td>225/226</td>
<td>M. Hoelzle</td>
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<td>GG.0424</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>BD/BD/CM/GG</td>
<td>226</td>
<td>R. Delaloye</td>
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<td>GG.0426</td>
<td>Climate Change: state of the art and debates</td>
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<td>S</td>
<td>28</td>
<td>Present + Project</td>
<td>AS</td>
<td>Tue</td>
<td>17-19</td>
<td>Block</td>
<td>CH/OG</td>
<td>O. Graefe</td>
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<td>GG.0425</td>
<td>Data &amp; methods for environmental analysis</td>
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<td>C</td>
<td>28</td>
<td>Project</td>
<td>AS</td>
<td>Block</td>
<td>NS/AL</td>
<td>236</td>
<td>N. Salzmann</td>
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<td>GG.0421</td>
<td>Geocolloquium, part 1</td>
<td>1</td>
<td>C</td>
<td>28</td>
<td>Participation</td>
<td>SS</td>
<td>Mon</td>
<td>11-12</td>
<td>All</td>
<td>026</td>
<td>B. Meus</td>
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<td>GG.0422</td>
<td>Geocolloquium, part 2</td>
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<td>C</td>
<td>28</td>
<td>Participation</td>
<td>SS</td>
<td>Mon</td>
<td>11-12</td>
<td>All</td>
<td>026</td>
<td>B. Meus/R. Valadaud</td>
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<td>GG.0510</td>
<td>Geocolloquium, part 3</td>
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<td>C</td>
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<td>Participation</td>
<td>AS/SS</td>
<td>Tue/Mon</td>
<td>17-19</td>
<td>11-12 All</td>
<td>026/226</td>
<td>B. Meus/R. Valadaud</td>
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**Il. Physical Science Module (PG) - 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**

- GG.0444 Alpine cryosphere
  - C 28 Oral/20min. AS Tue 15-17 MH, CH, HM, NS 225 M. Hoelzle
- GG.0445 Mountain geomorphology
  - C 28 SS Block AS Thu 13-15 CH 225 R. Delaloye
- GG.0448 Modelling of glaciers and permafrost
  - C + P 28 Exercises SS Block AS Thu 13-15 CH, CM 225 R. Delaloye
- GG.0441 Applied geophysical methods
  - C + P 30 Exercises SS Block AS Thu 13-15 CH, CM 225 R. Delaloye
- GG.0443 Project in cryosphere and geomorphology
  - P Project AS/SS AS Thu 15-17 CH 225 R. Delaloye

**Elective courses**

- GG.0431 Seminar in geomorphology
  - 2 2 28 Presentation AS Wed 14-17 RS 222 R. Delaloye

**Field course in physical geography**

- GG.0453 P 40 Project AS Block AS Thu 15-17 CH, HM, MH 225 R. Delaloye

**Total**

15

*Could be validated up to two times*

**Il. Social Science Module (HG) - 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**

- GG.0484 Social theories (seminar)
  - 3 28 Project AS Tue 13-15 OG 223 O. Graefe
- GG.0473 Seminar in global change, development & ethics
  - 3 28 Project SS Thu 13-15 CIF 225 C. Inverardi Ferri
- GG.0471 New approaches in human geography
  - 3 28 Project SS Block AS Thu 13-15 JG 225 J. Bluwstein
- GG.0477 Political ecology
  - 3 28 Project SS Tue 13-15 OG 225 O. Graefe
- GG.0485 Environmental History
  - 3 28 Project SS Tue 10-12 CB 225 C. Bichsel

**Elective courses**

- GG.0486 Advanced social research methods
  - 3 28 Exercises AS Tue 8-12 BM 225 B. Meus
- GG.0480-81 Field course in human geography
  - 5 40 Project SS Block AS Wed 15-17 DR/OG 225 O. Graefe

**Issues in environmental ethics**

- L 28 Project AS Wed 15-17 DR/OG 225 O. Graefe

**Total**

15

*Could be validated up to two times*

**III. 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 IIa or IIb**

**Elective supporting courses (suggestions only)**

- English
  - English for Masters Students of Science I B2-C2
    - 3 28 AS
  - English for Masters Students of Science II B2-C2
    - 3 28 SS
  - Geography at the University of Fribourg
    - Non selected courses from the specialization modules (IIa and IIb)
  - 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**

**Thesis**

- GG.0503 Master thesis seminar (preliminary) 2 14 Presentation Thesis Monday 15-17 All 226 C. Bichsel

**Total**

60

3 Validation Packages: VP1a = CM + compulsory of PG/HG (30 ECTS), VP1b = electives of PG/HG + SC (min. 30 ECTS), VP2 = MT (60 ECTS)

As the PG/HG 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.

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As the PG/HG 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.