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>
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<th>Lecturer(s)</th>
<th>Room</th>
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<th>Comments</th>
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<tbody>
<tr>
<td>I. Common Module (CM) - The entire module belongs to the Validation Package 1a</td>
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<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>
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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>
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<td>GG.0426</td>
<td>Climate Change: state of the art and debates</td>
<td>3</td>
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<td>Block</td>
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<td>GG.0425</td>
<td>Data &amp; methods for environmental analysis</td>
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<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>AS/Tue</td>
<td>17-19</td>
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<td>026</td>
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<td>GG.0422</td>
<td>Geocolloquium, part 2</td>
<td>1</td>
<td>C</td>
<td>28</td>
<td>Participation</td>
<td>SS/Mon</td>
<td>11-12</td>
<td>All</td>
<td>226</td>
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<td>GG.0510</td>
<td>Geocolloquium, part 3</td>
<td>1</td>
<td>C</td>
<td>28</td>
<td>Participation</td>
<td>AS/SS/Tue/Mon</td>
<td>17-19/11-12</td>
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II. 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Teaching Unit Title (Tu)</th>
<th>ECTS</th>
<th>Type of UE</th>
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<tr>
<td>GG.0444</td>
<td>Alpine cryosphere</td>
<td>3</td>
<td>C</td>
<td>28</td>
<td>Oral /20min.</td>
<td>AS</td>
<td>Tue</td>
<td>15-17</td>
<td>MH, CH, HM, NS</td>
<td>226</td>
<td>M. Hoelzle</td>
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<tr>
<td>GG.0445</td>
<td>Mountain geomorphology</td>
<td>3</td>
<td>C</td>
<td>28</td>
<td>Block</td>
<td>AS</td>
<td>Block</td>
<td>RD</td>
<td>223-236</td>
<td>R. Delaloye</td>
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<tr>
<td>GG.0448</td>
<td>Modelling of glaciers and permafrost</td>
<td>3</td>
<td>C + P</td>
<td>28</td>
<td>Exercises</td>
<td>SS</td>
<td>Block</td>
<td>AL, MH, NS, CH, MHu</td>
<td>236</td>
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<td>GG.0441</td>
<td>Applied geophysical methods</td>
<td>3</td>
<td>C + P</td>
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<td>Exercises</td>
<td>SS</td>
<td>Block</td>
<td>CH, CM</td>
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<td>C. Hauck</td>
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<td>GG.0443</td>
<td>Project in cryosphere and geomorphology</td>
<td>3</td>
<td>P</td>
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<td>Project</td>
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II. 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

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>GG.0448</td>
<td>Social theories (seminar)</td>
<td>3</td>
<td>S</td>
<td>28</td>
<td>Project</td>
<td>AS</td>
<td>Tue</td>
<td>13-15</td>
<td>OG</td>
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<td>Seminar in global change, development &amp; ethics</td>
<td>3</td>
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<td>Project</td>
<td>SS</td>
<td>Thu</td>
<td>13-15</td>
<td>GF</td>
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<td>C. Inerardi Ferri</td>
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<td>GG.0471</td>
<td>New approaches in human geography</td>
<td>3</td>
<td>S</td>
<td>28</td>
<td>Project</td>
<td>SS</td>
<td>Block</td>
<td>13-15/19-17</td>
<td>JB</td>
<td>225</td>
<td>J. Blumstein</td>
<td>Every 4 weeks</td>
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<td>GG.0477</td>
<td>Political ecology</td>
<td>3</td>
<td>S</td>
<td>28</td>
<td>Project</td>
<td>SS</td>
<td>Tue</td>
<td>13-15</td>
<td>OG</td>
<td>225</td>
<td>O. Graefe</td>
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<td>GG.0485</td>
<td>Environmental History</td>
<td>3</td>
<td>P</td>
<td>28</td>
<td>Project</td>
<td>SS/Tue/10-12</td>
<td>CB</td>
<td>225</td>
<td>B. Meus</td>
<td>C. Bichsel</td>
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II. 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 Ila or Iib

Elective courses (suggestions only)

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

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

<table>
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<tr>
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<tbody>
<tr>
<td>GG.0510</td>
<td>Master thesis seminar (preliminary)</td>
<td>2</td>
<td>S</td>
<td>14</td>
<td>Presentation</td>
<td>Thesis</td>
<td>Monday</td>
<td>15-17</td>
<td>All</td>
<td>226</td>
<td>C. Bichsel</td>
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<td>GG.0503</td>
<td>Master thesis (incl. final public presentation)</td>
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<td>P</td>
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<td>Thesis</td>
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The entire module belongs to the Validation Package 1b (min. 30 ECTS) in addition to the elective courses of the specialization module Ila or Iib

Elective courses

- Advanced social research methods # | 3 | C + P | 28 | Exercices | AS | Tue ** | 8-12 | BM | 225 | B. Meus | **: every 2 weeks |
- Course in human geography * | 3 | T | 40 | Project | SS | Block | T | CB | 0 | O. Graefe | Every second year |

* Transition from last year: GG.0472 = GG.0486

** Could be validated up to two times

# Could be validated up to two times

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.