### Master of Science in Behaviour, Evolution and Conservation - specialisation Computational Ecology and Evolution - Spring 2019

#### TEACHING

<table>
<thead>
<tr>
<th>Course</th>
<th>Responsible</th>
<th>Room</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Advanced Quantitative Genetics (AQG)</td>
<td>M. Robinson</td>
<td>POL/321</td>
<td>10 C + 7 E</td>
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<tr>
<td>Advanced Population Genetics (APG)</td>
<td>A.-S. Malaspina</td>
<td>POL/201</td>
<td>14 C + 6 E</td>
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<tr>
<td>Bioinformatic Algorithms (BA)</td>
<td>C. Desimone, D. Gleiser</td>
<td>POL/336</td>
<td>15 C + 15 E</td>
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<tr>
<td>Evolution of Genome Architecture (EGA)</td>
<td>R. Arguello</td>
<td>POL/336 except May 22, 2019 : POL/202</td>
<td>7 C + 7 E</td>
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<tr>
<td>Phylogeny and Comparative Methods (PCM)</td>
<td>N. Salamin</td>
<td>POL/336 except May 23, 2019 : POL/202</td>
<td>7 C + 14 E</td>
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<tr>
<td>Predictive Models of Species' Distribution (PSD)</td>
<td>A. Guisan</td>
<td>POL/202, 204.2</td>
<td>14 C + 14 E</td>
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<tr>
<td>Social Evolution - from Genes to Culture (SE)</td>
<td>L. Lehmann</td>
<td>ANI/5033</td>
<td>28 C</td>
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<tr>
<td>Biological Invasions (BIS)</td>
<td>J. Alexander, A. Guisan</td>
<td>POL/210</td>
<td>14 C</td>
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<tr>
<td>Co-evolution, Mutualism, Parasitism (CMP)</td>
<td>I. Sanders</td>
<td>POL/334</td>
<td>14 C</td>
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<tr>
<td>Current Problems in Conservation Biology (CB)</td>
<td>C. Wedekind</td>
<td>POL/202</td>
<td>14 C + 14 E</td>
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<tr>
<td>Ecology of the Fishes of Switzerland (EFS)</td>
<td>J. F. Rubin</td>
<td>POL/202</td>
<td>7 C + 10 PW</td>
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<tr>
<td>Evolutionary Consequences of Hybridization and whole Genome Duplication (ECH)</td>
<td>N. Arrigo</td>
<td>POL/202</td>
<td>14 C</td>
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<tr>
<td>Honeybee Ecology, Evolution and Conservation (HEE)</td>
<td>V. Determann</td>
<td>POL/202</td>
<td>14 C</td>
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<tr>
<td>Integrated course Mountain Ecosystems - Ecology &amp; Evolution (MEPP-EE)</td>
<td>A. Guisan</td>
<td>POL/202</td>
<td>14 C</td>
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<tr>
<td>Integrated course Mountain Ecosystems - Geo-Environm. Sci. (MEPP-GSE)</td>
<td>A. Guisan</td>
<td>POL/202</td>
<td>14 C</td>
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<tr>
<td>Introduction to Primate Behaviour, Cognition and Culture (IPB)</td>
<td>E. Van de Waal</td>
<td>POL/202</td>
<td>10 C + 6 S</td>
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<tr>
<td>Plant Population Genetics and Conservation (PPG)</td>
<td>F. Faber</td>
<td>POL/202, 367</td>
<td>7 C + 10 PW</td>
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<tr>
<td>Plant Range Dynamics and Global Change (PRD)</td>
<td>C. Randin</td>
<td>POL/202, 205</td>
<td>7 C + 10 PW</td>
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<tr>
<td>Scientific Mediation and Communication - Scientific Hands-on Workshop Module (SMC)</td>
<td>A. Kaufmann, P. Reynold</td>
<td>POL/459 except February 27, 2019 : Anthropos</td>
<td>8 C + 20 PW</td>
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<tr>
<td>Scientific Mediation and Communication - Museum Module (SMC MM)</td>
<td>M. Bartoli</td>
<td>Musée cantonal de zoologie, Lausanne</td>
<td>6 C + 22 PW</td>
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<tr>
<td>Social Genetics (SG)</td>
<td>L. Keller</td>
<td>POL/202</td>
<td>2 C + 12 E</td>
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<tr>
<td>Conservation Day : March 11, 2019</td>
<td>A. Guisan, L. Fumagalli</td>
<td>BIO/Amphi</td>
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<tr>
<td>DEE Seminars</td>
<td>J. Goudet, T. Kawecki</td>
<td>BIO/Amphi</td>
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#### Optional Field Courses

- **Biological Conservation of the Mediterranean Region**
  - A. Roulin, P. Christe in early September (Andalusia, Spain)
  - 40 PW

- **Ecology and Faunistics of the Sea Shore, Roscoff (France)**
  - N. Perrin February 16 to March 1, 2019
  - 7 C + 49 PW

- **Evolution and Biogeography of Semi-arid and Island Floras**
  - J. Pannell February 5-12, 2019
  - 40 PW

- **Integrated Practical Work Mountain Ecosystems in the Alps (MEPP-PR)**
  - A. Guisan April 1-2, 2019 + 3 days in July
  - 44 PW

#### Glossary:
- C: courses
- PW: practical work
- E: exercises
- S: seminars

### WEEK 1: 18.02 to 22.02

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Course</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>Mo 18</td>
<td>8 H</td>
<td>BIS</td>
<td>SMC MM</td>
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<tr>
<td>Tu 19</td>
<td>10 H</td>
<td>IPB</td>
<td>MEPP-EE</td>
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<tr>
<td>We 20</td>
<td>12 H</td>
<td>DEE Seminars</td>
<td>MEPP-GSE</td>
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<tr>
<td>Th 21</td>
<td>13 H</td>
<td>PPQ</td>
<td>MEPP-EE</td>
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<tr>
<td>Fr 22</td>
<td>15 H</td>
<td>EFS</td>
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<td></td>
<td>17 H</td>
<td>Roscoff</td>
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### WEEK 2: 25.02 to 01.03

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<th>Day</th>
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<tbody>
<tr>
<td>Mo 25</td>
<td>8 H</td>
<td>BIS</td>
<td>SMC MM</td>
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<tr>
<td>Tu 26</td>
<td>10 H</td>
<td>MEPP-EE</td>
<td>IPB</td>
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<tr>
<td>We 27</td>
<td>12 H</td>
<td>DEE Seminars</td>
<td>SMC GSEP</td>
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<td>Th 28</td>
<td>13 H</td>
<td>PPQ</td>
<td>MEPP-EE</td>
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<td>Fr 01</td>
<td>15 H</td>
<td>EFS</td>
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<td></td>
<td>17 H</td>
<td>Roscoff</td>
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### WEEK 3: 04.03 to 08.03

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>Mo 04</td>
<td>8 H</td>
<td>PRD</td>
<td>BIS</td>
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<tr>
<td>Tu 05</td>
<td>10 H</td>
<td>IPB</td>
<td>SMC MM</td>
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<tr>
<td>We 06</td>
<td>12 H</td>
<td>DEE Seminars</td>
<td>MEPP-GSE</td>
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<td>Th 07</td>
<td>13 H</td>
<td>BIS</td>
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<td>Fr 08</td>
<td>15 H</td>
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### WEEK 4: 11.03 to 15.03

<table>
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<th>Day</th>
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<tr>
<td>Mo 11</td>
<td>8 H</td>
<td>BIS</td>
<td>SMC MM</td>
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<tr>
<td>Tu 12</td>
<td>10 H</td>
<td>IPB</td>
<td>BA</td>
</tr>
<tr>
<td>We 13</td>
<td>12 H</td>
<td>DEE Seminars</td>
<td>MEPP-EE</td>
</tr>
<tr>
<td>Th 14</td>
<td>13 H</td>
<td>BIS</td>
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<td>Fr 15</td>
<td>15 H</td>
<td>EFS</td>
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18.1.2019/jn

Subject to modifications
### WEEK 5: 18.03 to 22.03
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-EE
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):** 15H EFS

### WEEK 6: 25.03 to 29.03
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-EE
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):** 15H EFS

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### WEEK 7: 01.04 to 05.04
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

### WEEK 8: 08.04 to 12.04
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

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### WEEK 9: 15.04 to 19.04
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

### EASTER HOLIDAYS 2019: FROM APRIL 19 TO APRIL 26, 2019

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### WEEK 10: 29.04 to 03.05
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

### WEEK 11: 06.05 to 10.05
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

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### WEEK 12: 13.05 to 17.05
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

### WEEK 13: 20.05 to 24.05
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

### WEEK 14: 27.05 to 31.05
- **Monday (Mo):** 8H SMC MM
- **Tuesday (Tu):** 10H MEPP-PR
- **Wednesday (We):** 15H EFS
- **Thursday (Th):**
  - 8H PRD
  - 10H MEPP-EE
  - 12H MEPP-GSE
  - 13H MEPP-PR
- **Friday (Fr):**
  - 8H SMC MM
  - 10H MEPP-PR

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Subject to modifications