Program Orientation EB

(4 – 8 September, 2017)

Naturalis Biodiversity Center (Naturalis)

Institute Biology Leiden (IBL)

Center for Environmental Sciences (CML)

| Venue: Sylvius Laboratories, Wassenaarseweg  In room: **4.T.01 (mornings) and 1.4.11/16 (afternoons), unless indicated otherwise.**    Course coordinator:   * Prof. Dr. Menno Schilthuizen (Naturalis/IBL); Contact: 06-22030313; menno.[schilthuizen@naturalis.nl](mailto:schilthuizen@ncbnaturalis.nl); <http://science.naturalis.nl/schilthuizen>   The course is assessed on the basis of the Wikipedia evolution stub writing assignments  Note: some items will be done jointly with the students from the Biodiversity & Sustainability (B&S) program. | Lecture slots: I: 9.00 – 9.45 h.  II: 10.00 – 10.45 h.  III: 11.00 – 11.45 h.  IV: 12.00 – 12.45 h.  V: 13.30 – 14.15 h.  VI: 14.30 – 15.15 h.  VII: 15.30 – 16.15 h.  VIII: 16.30 – 17.15 h.  Practicals: 13.30 – 17.15 h. (max) |
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| **Date** | **Theme** | **Lect.** | **Subject** | **Lecturer** | **Practical / afternoon activity** |
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| Mon.  4 Sept.  Day 01 | ***Introductions*** | I  II  III  IV | *Welcome & General info for all MSc stud.*  *Welcome & General info for all MSc stud.*  *Overview of EB MSc program*  *Overview of EB as a field* | RO + EDU  RO + EDU  MvdZ  MS | No teaching program  (opening academic year) |
| Tue.  5 Sept.  Day 02 | ***Evolutionary Biology and applications*** | I  II  III  IV | *Experimental evolution*  *Evolution of antibiotics*  *Urban Evolution*  *Evolution Megalab (with B&S)* | DR  DR  MS  MS | Field work (with B&S): *Evolution Megalab* (MS / JM / NK) followed by pancake dinner (all lecturers)  **on bicycle; vicinity of Leiden** |
| Wed.  6 Sept.  Day 03 | ***Population genetics and evo-devo*** | I  II  III  IV | *Conservation genetics*  *Phylogeography*  *Evo-devo in animals*  *Evo-devo in plants* | KT  KP  MvdZ  RO | No teaching program |
| Thu.  7 Sept.  Day 04 | ***Species limits and character evolution*** | I  II  III  IV | *Domestication in plants*  *Species delimitation*  *Chirality in plants*  *Chirality in animals* | KV  RV  BG  MS | Wikipedia evolution stub writing |
| Fri.  8 Sept.  Day 05 | ***Character evolution and behaviour*** | I  II  III  IV | *Craniodental kangaroo morphology*  *Evolution of genitalia*  *Learning processes as drivers for character evolution*  *The role of ecology in speciation* | AC  MS  CtC  HS | Field practical: *Acoustic ecology of animal signals* (HS) (with B&S) (**vicinity of Leiden; possibly on bicycle, t.b.a.**)  Deadline Wikipedia writing assignment |

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| CtC = Carel ten Cate (IBL)  AC = Aidan Couzens (Naturalis)  EDU = Education Office  BG = Barbara Gravendeel (IBL & Naturalis)  NK = Niels Kerstes (Naturalis) | JM = Jeremy Miller (Naturalis)  RO = Remko Offringa (IBL)  KP = Katja Peijnenburg (Naturalis)  DR = Daniel Rozen (IBL)  MS = Menno Schilthuizen (IBL & Naturalis) | HS = Hans Slabbekoorn (IBL)  KT = Krijn Trimbos (CML)  RV = Rutger Vos (Naturalis)  KV = Klaas Vrieling (IBL)  MvdZ = Maurijn van der Zee (IBL) |