Program Orientation EB

(4 – 8 September, 2017)

Naturalis Biodiversity Center (Naturalis)

Institute Biology Leiden (IBL)

Center for Environmental Sciences (CML)

| Venue: Sylvius Laboratories, WassenaarsewegIn 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; <http://science.naturalis.nl/schilthuizen>

The course is assessed on the basis of the Wikipedia evolution stub writing assignmentsNote: 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***  | IIIIIIIV | *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 + EDURO + EDUMvdZMS | No teaching program (opening academic year) |
| Tue.5 Sept.Day 02 | ***Evolutionary Biology and applications*** | IIIIIIIV | *Experimental evolution**Evolution of antibiotics**Urban Evolution**Evolution Megalab (with B&S)* | DRDRMSMS | 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*** | IIIIIIIV | *Conservation genetics**Phylogeography**Evo-devo in animals**Evo-devo in plants* | KTKPMvdZRO | No teaching program |
| Thu.7 Sept.Day 04 | ***Species limits and character evolution***  | IIIIIIIV | *Domestication in plants**Species delimitation**Chirality in plants**Chirality in animals* | KVRVBGMS | Wikipedia evolution stub writing |
| Fri.8 Sept.Day 05 | ***Character evolution and behaviour*** | IIIIIIIV | *Craniodental kangaroo morphology**Evolution of genitalia**Learning processes as drivers for character evolution**The role of ecology in speciation* | ACMSCtCHS | 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 OfficeBG = 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) |