2024 Course Schedule for: BI1320 (May 2 – June 1)

**Bees, Apiculture and Pollination**

**Course Leader:**
Barbara Locke barbara.locke@slu.se at the Department of Ecology, SLU.

**Course Administrator:**
Maria Viketoft Maria.viketoft@slu.se at the Department of Ecology, SLU

**Language:**

The course is conducted in English.

**Lecturers on this course:**

BL = Barbara Locke – Honeybee ecologist @ SLU

NK = Naomi Keehnen – Post doc, honeybee genomics @ SLU

NS = Nick Scaramella – PhD student with honeybees @SLU

SH = Svenja Horstmann – Conservation biologist @ SLU

ES = Emilia Semberg – Bee Centre Coordinator/BMA @ SLU

OL = Ola Lundin – Agricultural ecologist @SLU

**Lectures and Excursions:**

Lectures and course materials will be uploaded into CANVAS.

Note that lectures will start at the times specified (not 15 minutes after). The course builds on concepts presented in earlier lectures so please try to attend all lectures. Lectures can often finish earlier and sometimes run a little longer than specified, but we try to keep time.

Excursions will be activities to gain hands-on experience and practical knowledge of the course content. These activities will be conducted outside and therefore the scheduling of these excursions can change due to weather. Bees are not happy in the rain.

**Locations:**

Bihuset = The Honeybee House beside the Knowledge Garden (kunskapsträdgården) on SLU campus

Sunnersta = Sunnersta Alpine Center just south of SLU campus.

F-salen = a lecture room in the ecology centre on the second floor of the F-corridor. From the bear, turn left towards the eagles and directly take a sharp left up the stairs to the top.

Kurs Lab = a lecture room in the ecology centre on the first floor in the D-korridor. In the back of the building by the greenhouses.

Bilab = The honeybee disease laboratory.

**\* Asterix denotes mandatory course work to pass course.**

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| **Day** | **time** | **Activity** | **Type of teaching / Location** | **Teacher** |
| **May 6**Monday | 09:00 – 15:00  | Introduction to course and project work,Evolution and diversity of bees  | F-salen | BL |
| **May 7**Tuesday | 09:00 – 12:0013:00 – 15:00 | Honey bee biologyBeekeeping and beekeeping practices | F-salenF-salen | BLNS |
| **May 8**Wed | 09:00 – 15:00 | **Excursion – Honeybees** | Bihuset | BL, NS |
| **May 9**Thursday |  | **Kristi himmelsfärdsdag**  |  |  |
| **May 10**Friday |  | **Project work** |  |  |
| **May 13**Monday | 9:30 – 11:30 13:00 – 16:00 | Pollination biology Bumblebees biology |  F-salen | OL?? |
| **May 14**Tuesday |  | Wild bee identification**Excursion – Wild bees** | Kurs labSunnersta | BL, SHBL, SH |
| **May 15**Wed | 10:00 – 12:00  | **Excursion – Honeybees** | Bihuset | BL, NS |
| **May 16**Thursday | 09:00 – 12:00 13:00– 16:00 | Bees and conservation biology**Excursion – Wild bees** | F-salenSLU campus | SHBL, SH |
| **May 17**Friday |  | **Project work** |  |  |
| **May 20**Monday | 09:00 – 12:0013:00 – 15:00 | Honey bee genetics and evolutionBee disease part 1) Viruses, Parasites Pests | F-salenF-salen | NKNS |
| **May 21**Tuesday | 13:00-15:00 | Honey bee immunity | F-salen | NK |
| **May 22**Wed | 09:30 – 12:0013:00 –15:00 | More than honey film & discussion**Excursion – honeybees****Hand in project work 1\*** | CanvasBihuset | BL, NS |
| **May 23**Thursday | 09:00 – 12:00 13:00-15:00 | Bee disease part 2) Bacterial diseases, Fungi, EpidemiologyDemonstration of bee diseases in the lab | F-salenBilab | ESES |
| **May 24**Friday |  | **Project work** |  |  |
| **May 27**Monday | 09:00 - 15:00  | **Presentations of project work 2\*** |  | BL |
| **May 28**Tuesday | 9:00 - 15.00 | **Excursion- extracting honey** | Bihuset | BL, NS |
| **May 29**Wed |  | **STUDY DAY** |  |  |
| **May 30**Thursday | 9:00 - 12:00 | **EXAM\***  | F-salen  | BL |
| **Have a great summer** |