



INSECTS: INVENTORY AND IDENTIFICATION

7th – 25th of August 2017

Teachers: DK = Dave Karlsson (Station Linné)
MF = Mattias Forshage (NRM)
JT = Jon Tinnert (Linnéuniversitetet)
FR = Fredrik Ronquist (NRM)
TR = Tomas Roslin (SLU)
MK = Mareike Kiupel (Station Linné, lab. assistant)

Days: AM = 09:00 to 12:00 (coffee break 10:15 – 10:45)
Lunch break 12:00 – 13:00
PM = 13:00 – 16:00 (coffee break 14:15 – 14:45)



FIRST WEEK

Monday, August, 7

AM Introduction and welcome to Öland, Station Linné and SMTP // DK and other

PM Introduction entomology (all insects) // MF

Evening social hour/welcome party (optional...)

Tuesday, August, 8

AM Preparation techniques. Construction and use of keys. Students' project planning // DK, MF

PM Setting out traps (field session)// DK, MF

Wednesday, August, 9

AM Comparative insect morphology and terminology //DK

PM Lab session; insect morphology and terminology //DK

Evening Night excursion // DK, MF





Thursday, August, 10

AM Diversity, phylogeny and evolution of insects: Hymenoptera // MF

PM Diversity, phylogeny and evolution of insects: Ichneumonoidea and Chalcidoidea // DK, MF

Friday, August, 11

AM Diversity, phylogeny and evolution of insects: Coleoptera // MF

PM Diversity, phylogeny and evolution of insects: Diptera // JT

Evening [Tissel-tassel i Trollskogen](#) (Böda), a public night excursion



SECOND WEEK

Monday, August, 14

AM Molecular methods for dissecting insect diversity – a very first primer //TR

PM Phylogenetic methods //FR

Tuesday, August, 15

AM Inventory methodology //MF

PM Going full out: All taxon biodiversity inventories //TR

Wednesday, August, 16

AM Field session, collecting insects //MF

PM Lab session; determination and preparation //MF

Thursday, August, 17

AM Field session, collecting insects //MF

PM Lab session; determination and preparation //MF

Friday, August, 18

AM Lab session; determination and preparation //MF

PM Lab session; determination and preparation //MF





THIRD WEEK

Monday, August, 21

AM Taxon quiz //DK, MF, MK

PM Own project/field/lab

Tuesday, August, 22

AM Own project/field/lab

PM Own project/field/lab

Wednesday, August, 23

AM Own project/field/lab

PM Own project/field/lab

Thursday, August, 24

AM Oral presentations and course closing (alternative 1)

PM Own project/field/lab (optional)

Friday, August, 25

AM Oral presentations and course closing (alternative 2)

PM -

Course literature:

Gullan, PJ & Cranston, P S: *Insects: An outline of Entomology*, Chapman & Hall (appr. 600 SEK) (Academic standard textbook) OR [as a free pdf!](#)

Or:

Grimaldi, D & Engel, M S: *Evolution of the Insects*, Cambridge University Press (big, beautiful and up-to-date book, contains far more than the present course is able to cover, but strongly recommended for anyone with an interest in insects. Out of print, but might be available as used for appr. 1600 SEK.)

And:

Various on-line identification keys and handouts.

