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| **Day** | **Topic** | **Staff & Rooms** |
| **Monday** |  |  |
| 9.30 - 11 | Course intro: What will we be doing, where is everything, who is everyone, risk assessments, contacts etc. A basic introduction to ourselves (and opportunity for people to talk a bit about themselves too and what they want to get from the course?) | HC and SS |
| 10.45 -11.15 | Coffee break |  |
| 11.15 - 1 | Lecture 1: Higher level taxonomy (overview of kingdoms Animalia, phylum Arthropoda, Mandibulata, Pancrustacea – touches on basic characteristics of grouping who belongs where and why are they grouped that way).  Lecture 2: Taxonomy - How/why do we classify things, classification as a hierarchy, modern system of classification (I cover a bit of history in the previous lecture), steps in describing a new species, ICZN rules on naming species, the taxonomic impediment, type specimens etc. | Heather Campbell |
| 1 - 2 | Lunch | Refectory |
| 2 – 3.15 | Field methods. Workshop on field methods followed by field-based practical training in sampling techniques.  Field sampling methods: Introduction to different approaches to field sampling (AC)  Monitoring: Applied insect monitoring approaches (TP) | Tom Pope & Andy Cherrill |
| 3.15 – 3.30pm | Coffee break |  |
|  | Set up traps in the field (pitfall, pan and Malaise) |  |
| 6pm | Dinner | Refectory |
| **Tuesday** |  |  |
| 9.30 – 10.30 | Lecture: Intro to the Royal Entomological Society | Simon Ward |
| Early? | Coffee break |  |
| 11 - 1 | Field methods. Collection of day 1 traps. Further training on field sampling techniques. | HC & SS |
| 1 - 2 | Lunch | Refectory |
|  | Lecture 3: Identifying Insects – Useful characters and what we might look for in the field and lab 20-30mins  Lecture 4: Insect Anatomy: A very basic primer on anatomy. It varies so much between groups but an overall body plan and bits of the legs, antennae, mouthparts and thorax/abdomen is useful. 20-30mins.  Lecture 5: Identification Keys – different types, pros/cons 15mins  Tutorial: Juvenile Insects – really just a chance to practice anatomy and using keys 1.5hrs | Heather Campbell |
| **Wednesday** |  |  |
| 9.30 – 10.30 | Lecture/practical - Short molecular session at beginning of day. | SS |
|  | Lecture: Insect collections and specimen preparation (Fran Sconce)  Practical: Insect specimen prep practical  **Curation.** A full day of lab-based training beginning with a number of short lectures on i) current knowledge on the systematic biology of insect orders, ii) insect external anatomy, and iii) the use of traditional identification keys alongside free, open source ID resources. Training on how to perform sample sorting and preliminary identification into higher-level taxa, followed by morphospecies sorting and the use of keys for detailed identifications. Attendees will be shown how to prepare specimens using appropriate pinning and mounting techniques, as well as how to label and curate a collection including consideration of imaging and databasing requirements. Critical discussions will focus on organisation and management of collections data. |  |
| PM | Lecture: Science communication (Fran Sconce)  Practical: Insect sorting and identifying to order. Can also continue with specimen prep. |  |
| **Thursday** |  |  |
| 9.30 – 10.30 | Lecture/practical Short molecular lab session. | Sotiria? |
| 10.30 – 1 | Research planning | SS & HC |
| PM | Lab identification session |  |
| **Friday** |  |  |
| AM | Molecular data. Computer tutorial/classroom-based workshop | SS |
| 11 - 1 | Tutorial: Data interpretation and presentation (Joe Roberts) | Joe Roberts |
| 1 - 2 | Lunch |  |
| PM | Identification of Hymenoptera and Coleoptera | Ben Clunie |
| **Saturday** |  |  |
| AM | Ecological data. Computer tutorial/classroom-based workshop  Then the rest of the morning will be a computer-lab tutorial on statistical analysis and interpretation of ecological data in R using the latest R packages. Attendees will be introduced to the unique challenges of analysing ecological data and given guidance on how to tackle this. | HC |
| PM | Open lab and fieldwork session  Concluding sessions wrapping up outstanding items on specimen preparation, identification, data collection and analysis. | HC |