

COURSE GUIDELINE: LECTURE 09

Evolutionary trees follow-up

- What is a phylogenetic tree
- Bootstrapping
- Rooted vs. unrooted tree
- Outgroup
- How to use a phylogenetic tree
- Synapomorphy vs. autapomorphy
- Sister species

Species concepts

- Definition “species”
- Different species concepts
 - Morphospecies
 - Biological
 - Phylogenetic
- Case study: Amazonian frogs (cryptic species)