

Specialist Skills Taught to RES students

Taxonomic skills
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Using identification keys

General scientific skills
General field and lab skills
Lab skills – analyzing anion/cation exchange and concentration in soils
Participatory research skills

Ecological sampling
Field sampling techniques
Sampling and data analysis skills
Field work techniques and data recording
Experimental design
Surveying skills
Water testing and evaluation skills
Identifying soil properties

Scientific writing
Scientific paper reading
Scientific report writing

Basic data analysis
All aspects of data analysis
Use of Minitab and general statistical software packages

Multi criteria decision making skills
Critical reasoning through data analysis
Life cycle analysis skills
Debating skills
Simulation modeling skills
Systems thinking skills
Spatial analysis techniques using GIS
Microscope use
Landscape evaluation
Conversing with specialists
Interpretation of climatic data
Introduction to environmental instrumentation
Using specialist IT software to investigate virtual environments
Poster preparation