

Designing Effective Bioacoustic Studies

16-18th March
2022



Bioacoustic surveying is quickly becoming the new standard tool for professional ecologists and researchers globally. Learn everything you need to design effective bioacoustic studies from world-renowned acoustic data expert Ted Pedersen.

This course is hands-on and covers:

- **Study planning considerations**
- **Data acquisition methods**
- **Signal processing theory and practice**
- **Understanding gain and SNR**
- **Hands-on field work with Frontier Labs BAR-LT equipment**

3 Day Course

\$1000 per person

16-18th March 2022

Salisbury Hotel

668 Toohey Rd, Salisbury

Maximum 8 students

Reserve your place: frontierlabs.com.au/study



**FRONTIER
LABS**

Designing Effective Bioacoustic Studies Course Outline

Module 1

Introduction to acoustic remote sensing project design

Objectives:

- *Confirm familiarity with basic terminology*
- *Confirm or establish a grounding in basic project design provisions and be able to set achievable acoustic remote sensing goals*

Module 2

Basic signal processing

Objective:

- *Confirm or establish familiarity with basic signal processing software and be introduced to core signal processing skills*

Module 3

Field data collection (esp. gain settings and sampling rate)

Objective:

- *Be able to establish appropriate settings for field recorders on a project by project basis*