# Bat Acoustic Monitoring
# AZ: 2022 In-person Training Schedule

**Project Planning ✷ Stationary Point Monitoring ✷ Data Post Processing ✷ Manual Vetting ✷ Mobile Transects ✷ Project Summaries & NABat Data Uploads**

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## 23-28 MAY: PORTAL (COCHISE COUNTY) - NORTHEAST CHIRICAHUA MOUNTAINS
**Cave Creek Area** Up to 22 species while participating in a 30-year bat survey dataset.
**FULL-CLASS OPTION ONLY: (M-F) $2,595** *(On-site Lodging and Meals are included; class ends with breakfast on 28 May)*

## 13-17 JUNE: ELGIN (SANTA CRUZ COUNTY) - ARIZONA'S "WINE COUNTRY"
**Appleton-Whittell Audubon Research Ranch** Up to 20 species in a unique grassland habitat.

## 27 JUNE - 1 JULY: TUCSON (PIMA COUNTY) - SUBURBAN BAT MONITORING
**Oro Valley, Northwest Tucson** At least 15 species at an easy-to-travel-to location.

### AGENDA

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| **Day 1** | 0900 Meet at Venue for Introductions, Orientation, and Objectives |
| MONDAY | 0930 Introduction to Acoustic Monitoring Protocols, Project and Site Selection |
| Project | 1000 Micro-siting and Deployment Tips |
| Planning | 1100 MetaData Collection and Data Organization |
| & Detector | 1400 Set-up Computer Files for Project |
| Deployment | 1500 Introduction to Bat Detectors, Deployment Gear, and Analysis Software |
| | 1600 Guided Hands-on Demos with SonoBat and/or KaPRO |
| **Day 2** | 0900 Meet for Field Trip: Collect Stationary Point Data from Deployments |
| TUESDAY | 1400 Data Off-load, Post-processing, AutoID, Vetting Preparation |
| Manage Data | 1500 Guided Hands-on Demos Attributing with SonoBat and/or KaPRO |
| **Day 3** | 0900 Introduction to Echolocation and Identifying Bat Calls and Assessments |
| WEDNESDAY | 1030 Qualitative and Quantitative Call Characteristics for Hi-frequency, Non-myotis |
| Echo 101 | 1400 Qualitative and Quantitative Call Characteristics for Lo-frequency Non-myotis |
| & Call ID | 1530 Qualitative and Quantitative Call Characteristics for Western Myotis species |
| **Day 4** | 0900 Analyzing Stationary Point Data in SonoBat and/or KaPRO and Manual Vetting |
| THURSDAY | 1400 Exporting Acoustic Data and MetaData Outputs in SonoBat and/or KaPRO |
| Vetting | 1600 Submitting Stationary Point Data to NABat and/or Creating Project Summaries |
| **Day 5** | 1400 All About Transects, Gear Selection, Route Selection, and Deployment Tips |
| FRIDAY | 1900 Transect Data Organization, MetaData Collection, Vehicle Rigging |
| Mobile | 2000 Conduct Transect |
| Transects | 2130 Off-load Data, Post-Process, Manually Vet, Export Data, Upload to NABat |

*__Monday-Thursday__: Class starts at 0900h. Lunch & Break from 1200-1400h. Class ends by 1700h. Optional Geek Sessions begin at 1900h*
*__Friday__: Free morning or optional geek sessions, class starts at 1400h. Dinner and Break from 1700-1900. Class ends by midnight.*

## REGISTRATION OPTIONS AND COSTS (TUCSON AND ELGIN ONLY)
**FULL-CLASS (M-F) $1,995 ✷ STATIONARY POINT ONLY (M-TH): $1,745 ✷ DAY RATE $500 EA.**

*SMALL PRINT: travel, lodging, M&IE are __not__ included; students must make their own arrangements. Registered students will receive information about local resources to help plan for their participation. In-field transportation for field trips and mobile transects is available.*