NELSON MANDELA
UNIVERSITY

African Field School for Camera Trap Studies

The African Field School on Design and Analyses of Camera Trap Studies offers a 12-day active training course in Kruger National Park, South Africa. Participants will learn the principles of camera trapping for research and conservation science, including how to design, collect, and process camera trap data to answer ecological questions and obtain standardised reports. During the course participants will deploy camera traps in the National Park and can spend their evenings and free time connecting with other camera trappers and researchers surrounded by the sounds of the African bush.

What We Will Cover

- Camera trap models, functionality, and deployment considerations, a brief review of how camera traps have been used in the past and present for research and monitoring
- How to organise camera trap surveys and data collection in the field with practice deploying camera traps in Kruger National Park
- An introduction to R and its use in camera trap research, including an overview of camtrapR for image processing and various methods for the extraction of data from camera trap images, including overviews of machine learning models and image classification platforms
- Exploration and organisation of camera trap datasets to create standardised reports
- Study designs and data analysis for a wide range of wildlife monitoring strategies, research questions, and statistical models
- Statistical analyses to estimate various ecological parameters (i.e., occupancy, abundance, density, activity rates)
- Visualisation and interpretation of results from model outputs
- Space to organise your own study or analyse your own camera trap data with the help of peers and course lecturers.

Course Details

📅 **8-19 June 2023**

Cost

$1,750 (including course fees, accommodation, all meals)

📍 Skukuza Science Leadership Initiative Campus, Kruger National Park, South Africa

Participants

The course is limited to 20 participants and is open to graduate students and conservation professionals.

Deadlines

Apply by 30th March 2023 for first consideration – applicants are encouraged to apply early to avoid missing out! Space in the class will be awarded on a first-come, first-served basis.

✉️ **For More Information**
Contact Dr Rob Davis
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