

# Techniques in Wildlife Conservation

Short Course in South West WA

15 to 21 September, 2017



## Gain practical skills

This course is for those who wish to gain practical skills in fauna survey techniques and handling native animals. The course will comprise on-campus lectures, workshops on camera trapping and field-based animal surveys.

Lectures and theory will commence on 15 September, 2017 at ECU South West (Bunbury) Campus, and field work will be conducted in the Margaret River region.

Cost: \$1600 (includes tuition, travel, accommodation and food)

Note: Places are limited to 20 and registrations and payment are required no later than 1 September 2017

## ECU School of Science

The School of Science at Edith Cowan University offers a diverse and exciting range of undergraduate and postgraduate courses, including the areas of biology and environmental science. Our courses are developed in consultation with industry and informed by a dynamic research program. ECU is home to the Centre for Ecosystem Management and Centre for Marine Ecosystems Research, which are amongst the University's most productive research centres. ECU School of Science enjoys an ERA ranking of 5 in Ecology placing it above world standard and amongst the best universities in Australia in this discipline.



## To register please contact:

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## Part 1: Background to wildlife surveys; introduction to spotlighting

### Friday, 15 September (ECU Bunbury Campus)

1300-1500: Introduction, welcome and background to fauna surveys. Including legislative requirements, existing protocols and ethics. Logistical considerations, site choice, landscape and vegetation context, IBRA regions and seasonality.

1500-1530: Afternoon tea

1530-1730: Survey methods for terrestrial fauna: Cage traps, Elliott traps, funnel traps, spotlighting, pitfall traps and other approaches. Considerations and collection and analysis of data.

1730-1900: Dinner

1900: Depart for spotlighting surveys of Western Ringtail Possums

### Saturday, 16 September (ECU Bunbury)

0900-1030: Surveying other taxa: approaches for bats, frogs and large mammals.

1030-1100: Morning tea

1130-1300: Bird surveys – introduction and application

1300-1400: Lunch

1400-1600: Utilizing survey data for monitoring. Programs and approaches.

1600-dusk: Bird transect and point count surveys on-campus

## Part 2: Field surveys

### Sunday, 17 September (Margaret River)

0830: Depart for Margaret River. Check in to accommodation, unpack and have lunch.

1300-dusk: Deploy traps at field sites

### Monday, 18 September (Margaret River)

Check traps soon after sunrise, identify, weigh and measure captured animals, background briefing on camera trap use and then deploy and monitor camera traps. Afternoon sessions on predators, fire ecology and ecological theory.

### Tuesday, 19 September (Margaret River)

Check traps soon after sunrise, identify, weigh and measure captured animals. Afternoon talks by NRM groups. Night time spotlighting surveys for threatened owls and mammals in Karri forest.

### Wednesday, 20 September (Margaret River)

Check traps soon after sunrise, identify, weigh and measure captured animals. Bird surveys. Retrieve camera trap cards and check pictures. Afternoon sessions with local ecologists. Night time spotlighting for threatened owls and mammals.

### Thursday, 21 September (Final day)

Check traps soon after sunrise, identify, weigh and measure captured animals. Close and retrieve traps.

Depart lunchtime.

