

EAE3540 Geology and Geomorphology in the Field



Course coordinators

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Introduction

The Broken Hill Field Camp is a field-based course designed to advance your geological mapping skills in complex geological terranes or advance your skills in geomorphology and landscape evolution

The course occurs during the mid-semester break and runs for 14 days + orientation workshops.



EAE3540 unit

The unit is considered as a 'Winter Semester' subject.

Enrollment are opened through WES

It worth **6 points**. The equivalent of an entire semesters work completed in 14 + 2 days (over the mid year break) with no follow up assignments.

Results are released in early September for those of you that wish to expedite completion of undergraduate studies.



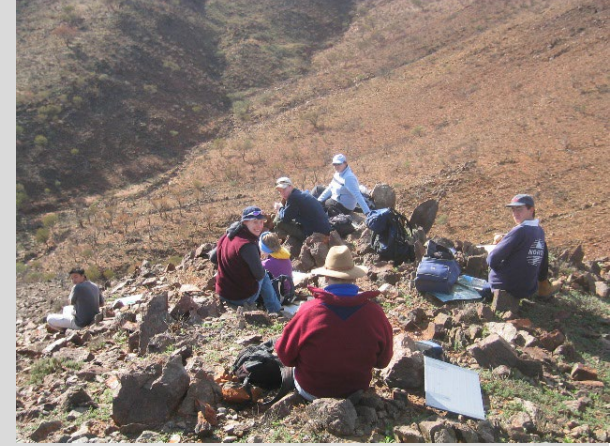
If you focus on geology, you will be expected to:

- Create a geological map of the Eldee structure (60%)
- Create a cross-section that represents the distribution of rocks and deformation evolution of the region. (15%)
- Identify lithologies and name rock forming minerals (15%)
- Field participation (10%)
- The pre-departure workshop must be attended



If you focus on geomorphology, you will be expected to:

- Analyse landscape and interpret their evolution
- Analyse and map river systems
- Understand the control on alluvial fan and channel development
- Document the formation and morphology of dunes and, lunettes and lakes



EAE3540 Field mapping – Broken Hill

Location: The camp will be held at Eldee Station thanks to the generosity of Steven and Naomi Schmidt. Eldee Station is a sheep station that is located approximately 50 km to the north of the Broken Hill township along the Silverton Road. Eldee station is located at the edge of the Broken Hill Block. The western part of the station lies on the Mundi Mundi Plain.

Cost: approx. \$1150. This covers the cost of your accommodation and food for the entire 14 days of the camp. The camp is heavily subsidized by the School of Earth, Atmosphere and Environment.

Payment will be made directly to the station – watch this space.
If the cost is an issue, please, contact Laurent





Working in small groups learning to make decisions on scale, observations and handling the uncertainty of real-world, poly-deformed Precambrian geology

Accommodation: During the camp you will be sleeping in your own tents. This does not mean that you will be living in tents. For most of the time you will live, cook, eat, work, and play in very comfortable shearers quarters located near the homestead. Your tents will be located near the shearer's quarters.

Travel: You will travel to Eldee on a Coach and in 4WD. The trip takes about 12 hours from Melbourne including regular stops. Travel around the Eldee station will be in 4WD's.

Food: Meals will be supplied and catered. You will be expected to assist in food preparation and kitchen clean-up for all meals. Lunches will be made before going into the field. Special dietary requirements can be accommodated.



