

Group/School: xxxxxxxx
Leading party member: xxxxxxxx
Address: xxxxxxxx
Email address: xxxxxxxx
Outline course details: xxxxxxxx

Dates:xxxxxxx

Day one

Arrive at accommodation midday / lunch / domestic intro / settle into rooms.

Class session 1.

Introduction to the course / health and safety / background to the geology of Purbeck, sampling strategies, graphic logging revision.

Field session 1.

Walk to Peveril Point, Swanage SZ 040786

Low tide xx.xx / high tide xx.xx

Strike and dip readings, rock descriptions, field sketching a small syncline, graphic logging.

Walk back to accommodation.

Evening meal

Class session 2.

Review field data, tidy up field notebooks, draw up graphic logs, interpret sequences and suggest palae-environments.

Day two

Breakfast

Class session 3.

Introduction to Kimmeridge - cyclic sedimentation. Health and safety considerations.

Field session 2.

Drive to Acton and walk to view the Keates Quarry dinosaur trackway SY 986780

Continue to Kimmeridge Bay SY 907791

Early packed lunch on arrival - High tide xx.xx / low tide xx.xx

Field session 3.

Field sketching, mineral ID and measurements of a normal fault.

Sampling joint orientation on the crest and limbs of an anticline.

Visit to the Etches Collection Museum - tour of the fossil collection.

Return to the accommodation.

Evening meal

Class session 4.

Review fieldwork, tidy field notebooks, plot joint orientation onto a rose diagram, relate to local and regional tectonics, statistics analysis of association - chi-squared - using joint orientation data.

Day three

Breakfast

Class session 5.

Introduction to Corallian cyclic sedimentation, oolites and trace fossils.

Field session 4.

Drive to Osmington Mills. SY 737815. Low tide xx.xx / high tide xx.xx

Rock descriptions, fossil drawings and ID, using trace fossils and sedimentary structures as way-up indicators, data collection activity studying proportions of broken to intact fossils in contrasting rock types.

Drive to Durdle Door car park and walk down to Durdle Door beach. SY 805802

Low tide xx.xx / high tide xx.xx

Packed lunch in the field.

Field session 5.

Rock descriptions and graphic logging of the sequence from Purbeck Limestone to Chalk, identification and discussion re overturned beds.

Return to the accommodation

Evening meal

Class session 6.

Review field data, tidy field notebooks, end of course plenary.