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St Andrews

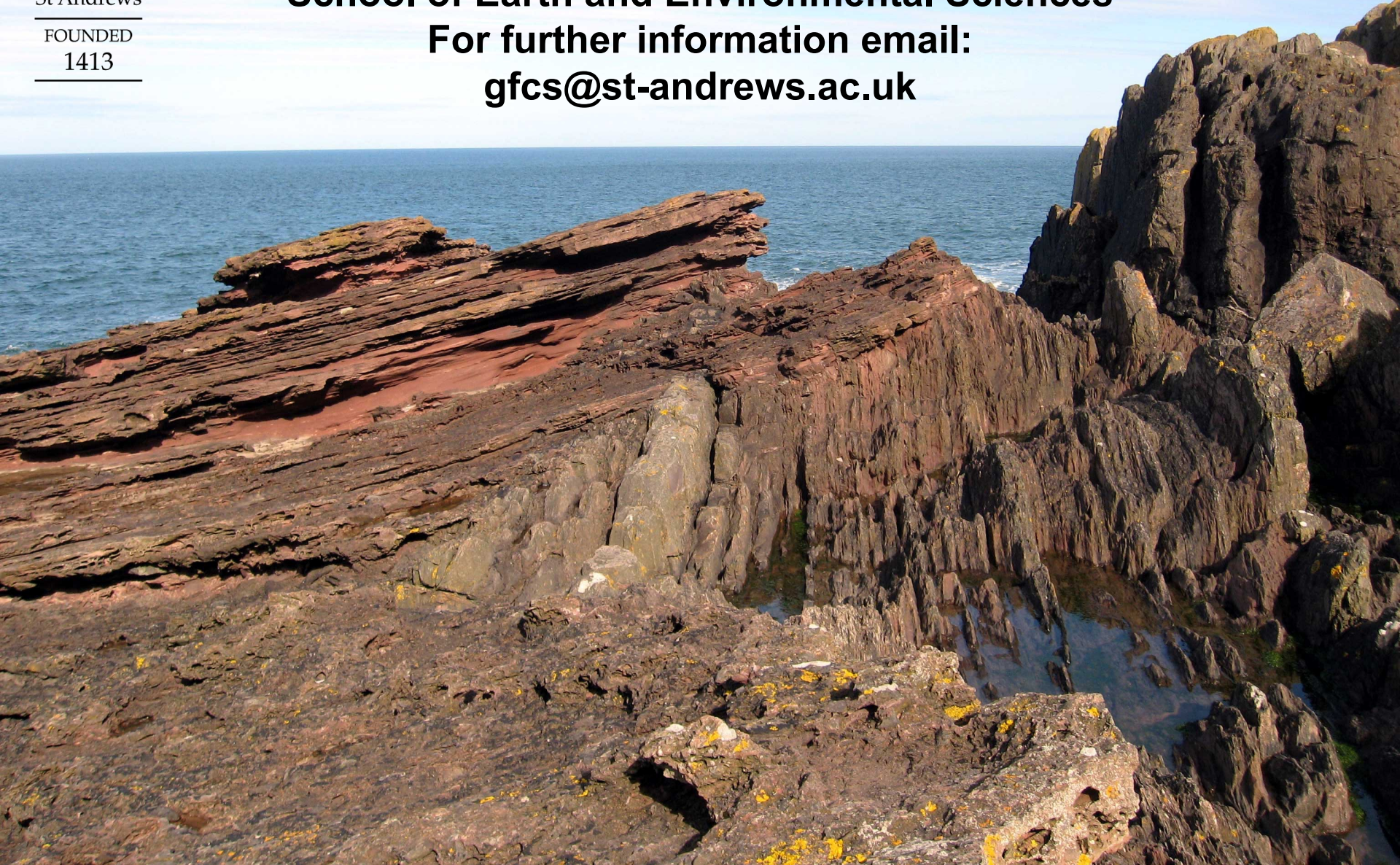
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ES4801 GEOLOGY FIELD CAMP IN SCOTLAND

School of Earth and Environmental Sciences

For further information email:

gfcs@st-andrews.ac.uk





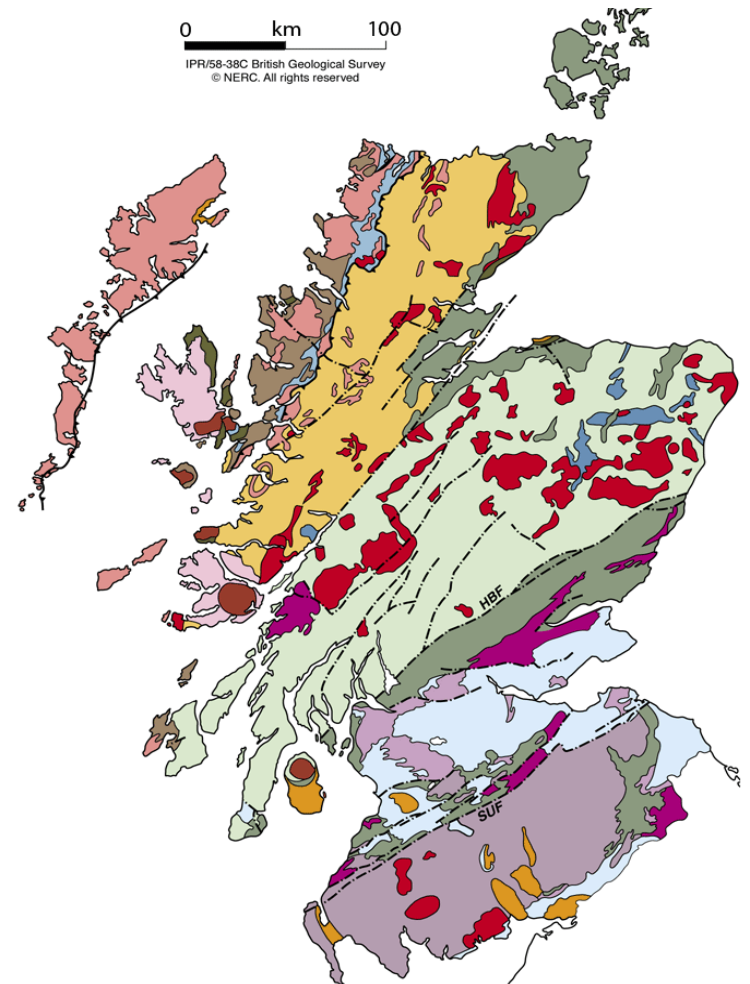
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ES4801 Geology Field Camp in Scotland

Scotland is the birthplace of geology and renowned for its geological diversity. From 3-billion-year-old continental crust, to 300-million-year-old sedimentary rocks of ancient orogenic belts, to 50-million-year-old igneous rocks recording the opening of the north Atlantic Ocean, these will be part of your hands-on experience. You will gain understanding of processes of metamorphism (Barrovian-Buchan Zones), map complex geological regions (Moine Thrust Fault system; Archaean Lewisian gneissic basement) and document sedimentary environments of deposition (Carboniferous of Fife).

The School of Earth and Environmental Sciences is dedicated to teaching fundamental skills that prepare you in observing, reconstructing and interpreting the geological rock record and the processes that shaped the evolution of our planet. Our educational ethos is to build self confidence and deliver the foundational skills for you to be competent in field geology for research and employment.





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Essential Information

The Course: 5 weeks in Scotland

- 24 SCQF credits awarded at level 10
- 6 USA semester credits awarded
- hands-on experience
- small class sizes (20-30)

Cost £6,000 and includes:

- tuition
- accommodation
- mapping materials
- in-country transport

Pre-requisites

- GPA of 3.0
- 100 Scottish or 24 USA credits in geoscience

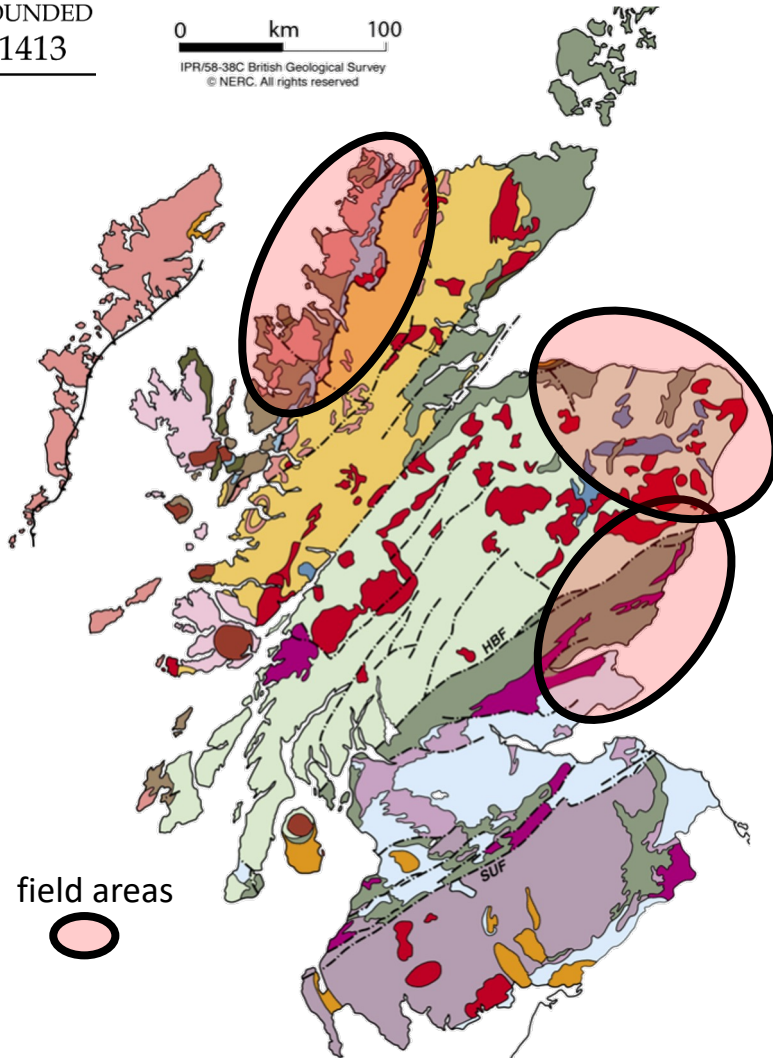




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sedimentology and stratigraphy

- palaeoenvironmental reconstructions
- sedimentary facies and facies associations

metamorphism

- Barrovian – Buchan zones
- metamorphic facies and index minerals

structural geology

- thrust faults, imbricates and mylonites
- Archaean-Proterozoic Earth history

igneous rocks and processes

- igneous textures and mineralogy
- intrusive versus extrusive processes

Independent mapping

- partnered for safety but done individually
- map areas include metamorphic, igneous and sedimentary terranes
- reconstruct 3-D geological frameworks and interpret geological histories



...all done with fun and some culture thrown in for good measure!

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