

# British Isles

Short-term Faculty-led Study Away Program • Summer Intersession • May 19 - June 5, 2012

Program Name:

## Field Geology in the British Isles

Course Number & Name: **GLG 397**  
**Selected Topics in Geology**

Credit hours: **3** (undergraduate)

### Course Overview & Highlights

This program is a collaborative effort between Missouri State University and Northwest Missouri State University. The class will meet twice during the Spring 2012 semester: once on the MSU campus and once at NWMSU in Maryville.

The study tour of Scotland and Ireland will allow MSU and NWMSU geology students to discover some of the fundamental principles of field geology in the locations where they were originally discovered by the pioneers of our science.

Guided tours, field observations and technical visits will provide a wealth of opportunities to explore a diverse range of geological formations and processes throughout these ancient lands.

Excursions also will include stops at medieval castles, forts, abbeys, gardens and other historically significant sites where geology's influence on human activities and structures can be seen. On the way, we'll enjoy some of the world's most spectacular natural scenery, quaint towns and villages, and the culturally rich cities of Edinburgh, Glasgow and Dublin!

**Estimated Cost: \$4,825**

**Includes:** All transportation (air & ground), lodging, meals (except 5 lunches), program activities, excursions and admission fees; Study Away student fee. Separated costs not available.

**Excludes:** MSU tuition for 3 hours of undergraduate credit; passport fees; 5 lunches; optional evening at the theatre in Dublin; misc. personal expenses.

**Nonrefundable deposit due with application by Mon., Jan. 30, 2012: \$724**  
(will be billed to your student account)

**Airfare due Thurs., March 1, 2012: \$1,205**

**Balance due Fri., April 20, 2012: \$2,896**

### Voucher Eligibility & Financial Aid

If you entered MSU as a freshman in 2009 or 2010, you may use the **Study Away \$500 voucher**. Students who receive financial aid through MSU may apply that aid to the program, if eligible. Contact the Office of Financial Aid at 836-5262 for more information.

Pre-travel Class Meetings:

**6:00-7:30 PM, Fri. March 30, 2012**  
**at NWMSU in Maryville**

**6:00-7:30 PM, Fri. April 20, 2012**  
**at MSU in Springfield**

Depart Kansas City for London, England:  
**Sat., May 19, 2012**

Arrive Edinburgh, Scotland:  
**Sun., May 20, 2012**

Depart Dublin, Ireland, for Kansas City:  
**Tues., June 5, 2012**

### Interested in going?

Contact the Program Director,  
Dr. Thomas G. Plymate, Department Head,  
Geography, Geology and Planning,  
for more information: 836-4419 or  
[TomPlymate@missouristate.edu](mailto:TomPlymate@missouristate.edu)



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# Study Away!

Missouri State University Study Away Programs

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## Course Schedule & Itinerary:

### Two Pre-travel Class Meetings:

One meeting will be on the NWMSU campus in Maryville (6:00-7:30 PM Fri., March 30); the other will be on the MSU campus (6:00-7:30 PM Fri., April 20). The MSU Dept. of Geography, Geology and Planning will provide transportation for MSU students to attend the meeting in Maryville.

### Geology Field Tour of Scotland & Ireland:

We will travel by charter coach between destinations, then hike to areas where we will conduct field studies. Hikes will be easy to moderate. Most meals will be provided by our hotels.

**Sat., May 19, 2012** - 1:30 PM Depart KCI Airport (overnight flight).

**Sun., May 20** - Arrive in **Edinburgh** via London. Afternoon technical visits to **Arthur's Seat and Salisbury Crags**. Welcome dinner and overnight in Edinburgh.

**Mon., May 21** - Conduct geological observations of **coastal sections of Dunbar and Siccar Point**. Overnight in Edinburgh.

**Tues., May 22** - See historic **St. Andrews Castle**, built circa 1200 AD. Afternoon technical visits, including Forvie Natural Reserve, wetlands area, sand dunes and estuary. Overnight in **Aberdeen**.

**Wed., May 23** - Conduct observations at **Grampian Highlands, Milltown of Rothiemay, MacDuff, Melrose Farm, White Hills and Portsoy**. Overnight in **Nairn**.

**Thurs., May 24** - Conduct observations in the **North West Highlands and Bone Caves, Lochinver** at the mouth of the River Inver, scenic **Geopark** and **Measach Falls** at **Corrieshalloch Gorge**. Overnight in **Nairn**.

**Fri., May 25** - Drive through the scenic **western highlands** and see **Fort William**. Free afternoon and evening for sightseeing in **Glasgow**, where we will stay the night.

**Sat., May 26** - Conduct observations at **Loudoun Hill and Kennedy's Pass**. Travel to **Stranraer** for the 2-hour ferry crossing to **Northern Ireland**. Overnight in **Ballycastle**.

**Sun., May 27** - Conduct observations at **Murlough Bay, White Head and Giant's Causeway** (an area of about 40,000 interlocking basalt columns, the result of an ancient volcanic eruption). Stop at the seaside resort town of **Portrush**. Overnight in **Donegal**.

**Mon., May 28** - Conduct observations at **Streedagh Port, Knocknarea and Slishwood Gap**. Overnight in **Ballina**.

**Tues., May 29** - Visit **Ceide Fields** to view

the bog and stone-walled fields dating back centuries. Conduct observations at **Foxford Woollen Mills** via **Clonbur, Lough** and **Corrnamona**. Visit **Cong Abbey**, one of the finest examples of early Irish architecture. Overnight in **Leenane**.

**Wed., May 30** - Conduct observations en route to tour **Kylemore Abbey** and **Rinivyle Castle** ruins. Continue to the **Ballinaboy** and **Ballyconneely** areas for more field research. Overnight in **Galway**.

**Thurs., May 31** - Tour the **Cliffs of Moher, Bridges of Ross** (technical visit), **Loop Head Lighthouse, Kilbaha Bay** and **Rinevella Bay**. Overnight in **Ennis**.

**Fri., June 1** - Tour the **Rock of Cashel**, dating from around 1100 AD, and the beautiful 47-acre **Powerscourt Gardens**. Overnight in **Glendalough**, in the **Wicklow Mountains National Park**.

**Sat., June 2** - Visit **Lough Tay** and an exfoliation dome. Conduct observations around **Glendalough** and **Wicklow Gap**. Overnight in **Dublin City**, with evening free to explore the town.

**Sun., June 3** - Travel to the picturesque fishing village and harbour of **Loughshinny**. On the south side of the bay, see the angular folds of the layered limestone and shale cliffs, the 325-million-year-old fossils embedded in the rocks, and the boulders deposited by during the last glacial age. Afternoon free time in **Dublin City**. Optional evening performance at the **Abbey Theatre**.

**Mon., June 4** - Travel to **Trinity College** for the **Course Final**. Enjoy **The Dublin Experience**, a multimedia show tracing the history of Dublin from its earliest days, then spend the afternoon and evening exploring the city.

**Tues., June 5** - Depart Dublin for Kansas City; arrive at 5 PM.

## Course Requirements:

Students will be expected to take detailed notes in the field each day. Those notes will be graded each evening and returned the next morning. At the end of the course, students will submit a detailed journal consisting of their revised daily field notes plus annotated field photographs.

**Assessment of learning** - Final grade will be based 40% on daily grades, 40% on the journal, and 20% on the final exam.

**Required texts:** None. A detailed itinerary, complete with relevant geologic maps, will be provided to students prior to departure.

## Application & Payment Procedures:

Missouri State University students who have declared a Geology major or minor and are approved by the Program Director may apply. Instructions are included on the program application. **Course prerequisites:** GLG 110 and GLG 314 should be completed prior to travel. In the event that the number of applicants exceeds program capacity, students will be selected based on the total number of Geology hours completed.

A **non-refundable deposit of \$724** will be billed to your student account upon application (due by **Jan. 30, 2012**). Airfare (**\$1,205**) will be billed on **March 1, 2012**, and the balance of the program cost (**\$2,896**) will be billed to your account on **April 20, 2012**.

The published program cost is based on rates in effect on the publication date of this flyer and may be subject to change.

**Program participants agree to a potential increase of up to 10% in the program fee if costs increase before or during travel.**

## Cancellation & Refund Policies:

- Students who withdraw prior to **April 6, 2012**, will receive a refund of fees paid, less their deposit and any non-refundable purchases made on his/her behalf.
- If a student is forced to withdraw after **April 6, 2012**, for a bona fide medical reason, s/he will receive a refund of fees paid, less their deposit and expenses. A certificate of incapacitating illness or injury from a licensed physician is required.
- Students withdrawing voluntarily after **April 6, 2012**, or withdrawing due to medical reasons not protected under the fees refund policy, receive no refund.
- Once the program has started, students withdrawing receive no refund under any circumstances.
- All notifications of withdrawal must be made in writing and sent to the Program Director and to Elizabeth Strong at the Study Away Office, Jim D. Morris Center, Suite 403. **Non-payment of fees does not guarantee automatic withdrawal.**
- Any plans by a participant not to travel and return with the group must also be submitted in writing to the Program Director and the Study Away Office.
- The program may be cancelled if enrollment is fewer than 5 participants. In this event, students will receive a full refund.