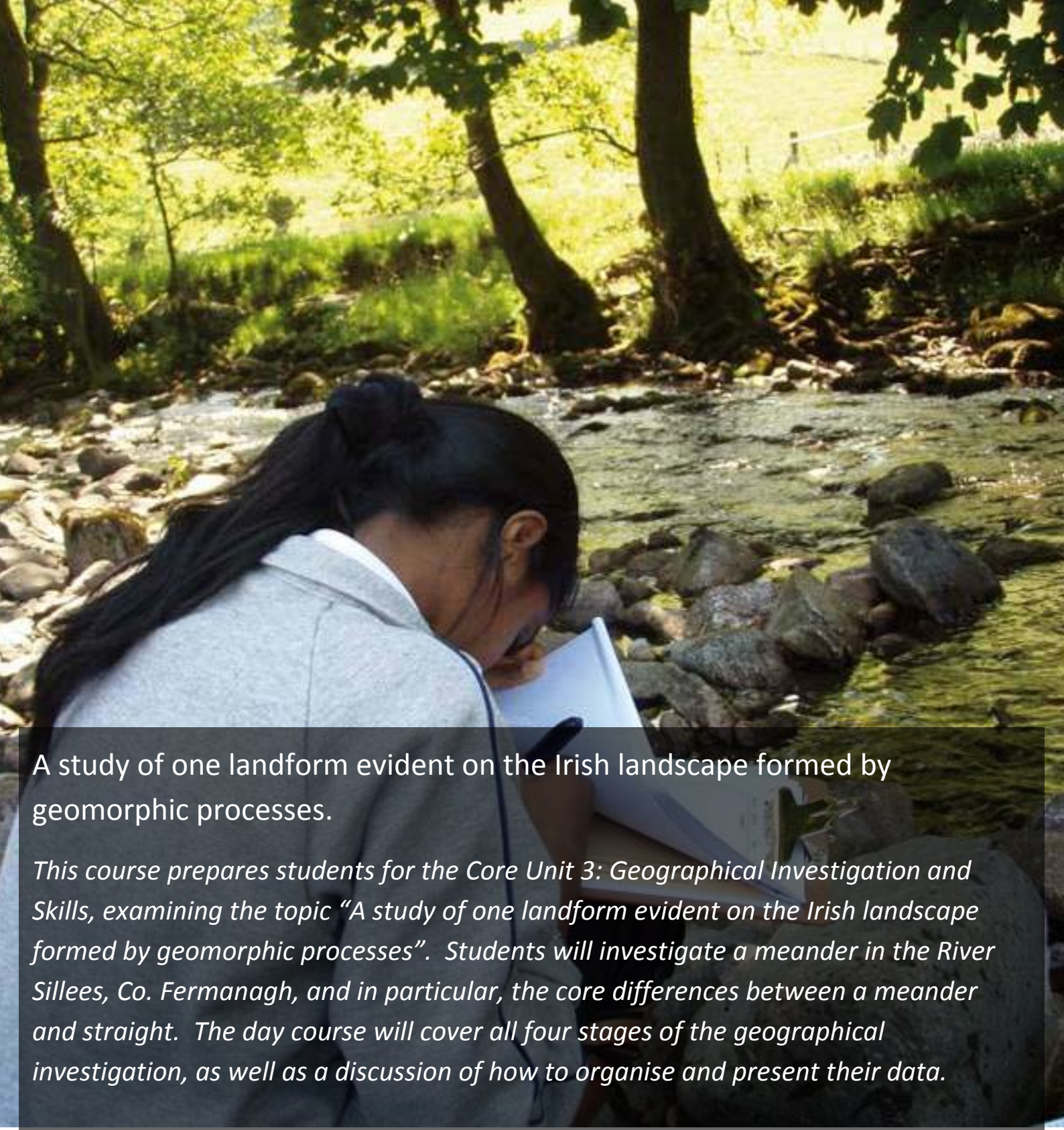


Leaving Certificate Geography *Geographical Assessment, 1day*



A study of one landform evident on the Irish landscape formed by geomorphic processes.

This course prepares students for the Core Unit 3: Geographical Investigation and Skills, examining the topic “A study of one landform evident on the Irish landscape formed by geomorphic processes”. Students will investigate a meander in the River Sillees, Co. Fermanagh, and in particular, the core differences between a meander and straight. The day course will cover all four stages of the geographical investigation, as well as a discussion of how to organise and present their data.

FSC

BRINGING
ENVIRONMENTAL
UNDERSTANDING TO ALL

For alternative Leaving Certificate courses, please visit:

www.field-studies-council.org/outdoorclassroom/ireland/leavingcertificategeography.aspx

Supported by



**Geographical
Association**

COURSE CONTENT

A study of one landform evident on the Irish landscape formed by geomorphic processes

This session links with Core Unit 3 (Geographical Investigation and Skills) and will cover all four stages of the geographical investigation, as well as an introduction into the organisation and presentation of the data. Students will investigate how a meander of the River Sillees, Co. Fermanagh, differs from a straight section of the river and examine the geomorphic processes that shape it. Students will work in groups of 4-6 to complete the fieldwork. Data collected will be divided into two tasks/methods as follows:

1. To examine **channel shape**, students will measure:
 - Width: Using a measuring tape, students will measure the width of the channel.
 - Depth: Using a metre stick, students will measure the depth of the water at 11 points across the channel.
 - Sinuosity: Using the measuring tape, students will measure the sinuosity, i.e. how curved the channel is. This will be a whole class measurement.
2. To examine **characteristics in the channel** students will measure:
 - Bedload size and location: Students will use a pebble board to measure the longest axis of 11 stones and note their location across the channel.
 - Velocity: A hydroprop flow metre and stopwatch will be used to measure velocity at 5 points across the channel.
 - Slope across the channel: Students will measure the slope across the channel, effectively measuring the slope of the point bar, using ranging poles and a clinometer.

Students will also discuss likely outcomes of their investigation and different methods of data presentation.

Please note: *It is not usually possible for the students to analyse their own results on a day visit due to time constraints. The students will be able to look at likely outcomes and explanations. A longer stay (extended day or two day visit) will allow the students to draw conclusions from their data **and complete their geographical investigation report***

COURSE LENGTH

Day course: Session from 9:30am – 4:00pm

Morning Session Approx. 9:30am-1:00pm	Lunch Approx. 1:00-1:30pm	Afternoon Session Approx. 1:30-4:00pm
A morning classroom session will focus on completing the introduction and planning sections of the investigation.	Students will have time to relax and enjoy a packed lunch (please bring with you).	Students will focus on the key aspects of the gathering of data and the results, conclusions and evaluation sections.
Fieldwork and data collection will also be completed.	Free tea and coffee is provided by the centre.	

Extensions can be arranged, including evening meals and an overnight stay. This allows more time for follow up discussions and analysis; ensuring students make the most of this outdoor learning opportunity.

LEARNING OUTCOMES/OBJECTIVES

Learning Objectives	Learning Outcomes
<p>Students will:</p> <ul style="list-style-type: none"> Examine the impact of geomorphic processes, particularly erosion and deposition, on meanders in the River Sillees. Use a range of sampling techniques to collect primary data on the River Sillees. Learn skills needed to successfully complete the geographical investigation. Understand and use a range of geographical skills including map interpretation, ICT, planning a geographical investigation, data collection, report planning, analysis and presentation of results and conclusions. 	<p>By the end of the course we expect all students will:</p> <ul style="list-style-type: none"> Understand and use some or all of the skills listed Work through the distinct stages of a geographical investigation Identify a meander and its associated characteristics Recognise the processes of erosion and deposition occurring in the landscape <p>Some students will also be able to:</p> <ul style="list-style-type: none"> Evaluate data collection techniques used to measure river parameters Suggest limitations to the enquiry and improvements that could be made Understand, use and apply the skills listed to complete a geographical investigation Analyse and evaluate their work, and make comparisons with other studies

Protecting fieldwork opportunities for everybody

Growing pressures on outdoor learning has led the FSC to take on an important role; championing the rights and opportunities for people of all ages to experience the environment at first hand.

The FSC has lead in campaigns to reverse the continuing decline in fieldwork within secondary schools and to build opportunities for out-of-classroom learning.

As a registered charity, the FSC receives no statutory funding. It relies solely on fees charged for courses and membership. Therefore, by visiting an FSC Centre not only are you receiving a high quality educational experience for your students, you are also you are helping to protect fieldwork opportunities for everybody.

**External Recognition of Quality**

All our centres have been awarded the Quality Badge by The Council for Learning Outside the Classroom. The badge is awarded to organisations that have demonstrated that they consistently deliver high quality teaching and learning experiences and manage risk effectively. This means that you will have to complete less paperwork when visiting our centres

FSC DERRYGONNELLY

Located in the unspoilt West Fermanagh countryside, FSC Derrygonnelly is 10 miles from Enniskillen, 20 miles from Ballyshannon and only 15 miles from the Donegal coast. The River Sillees runs through the Centre grounds and an excellent variety of habitats including rocky shores, freshwater, sand dunes, rivers, bog and heathland are within easy reach.



DG

Derrygonnelly

ROI Tel: 04868641673

NI Tel: 028 686 41673

Email: enquiries.dg@field-studies-council.org

PRICES

Prices start at €22/£17.50 per student. For more information please contact the centre directly.

TO BOOK THIS COURSE, SIMPLY:

1. Choose the time of the year you would like to attend
2. [Check availability online](#) or contact FSC Derrygonnelly

For alternative Leaving Certificate courses, please visit:

www.field-studies-council.org/outdoorclassroom/ireland/leavingcertificategeography.aspx

The FSC prides itself on being flexible; the course content can be tailored to meet your needs. Alternatively, we can work with you to create a fully bespoke course to meet your exact requirements.

FSC offers a number of courses covering [geography field trips](#), [geography fieldwork](#), [Leaving Certificate geography](#), as well as [biology fieldwork](#). Please visit our website for further information.