



BUILDING CONSERVATION MASTERCLASSES

CONSERVATION AND REPAIR OF SLATE AND STONE ROOFING

BC3D227 24-27 APRIL 2017 (3 day course)

This course covers the history of traditional slate and stone roofing but mainly concentrates on their conservation and repair.

The starting point is an understanding of how roofs work, the different materials used, including regional variations and methods of construction. Modern codes of practice and standards are covered, along with practical demonstrations and hands-on work in making and preparing slates and mortar and their application to roofs, including setting out, recording and the construction of both random and single-sized roofs. The course will be supplemented by films and practical sessions on surveying old roofs, traditional detailing, writing specifications and finding sources of information.

Please remember to bring work clothes/overalls and work boots (preferably steel toe caps) for practical sessions.

Course Leader: Terry Hughes is a Fellow of the Institute of Roofing and has experience of the

slate industry worldwide including 15 years at Penrhyn quarry in Gwynedd. He is past chairman of the BSI and European (CEN) technical committees for roofing slates and a member of the Code of Practice committees for Slating and Tiling. He founded and chairs the Stone Roofing Association.

Principal Tutor: Richard Jordan, Jordan Heritage Roofing

Tutors: Mike Fildes and South Coast Roofing Training team

Chris Wood, Head of Building Conservation and Research Team, Historic England.

All students on this course will receive a copy of *English Heritage Practical Building Conservation: Roofing*.

Recommended Reading:

English Heritage Practical Building Conservation: Roofing (2013), Ashgate Publishing

OUTLINE PROGRAMME

Day 1 Monday

16.00-18.00 Registration
18.45 Welcome Talk
19.00 Dinner
Evening Introduction

Day 2 Tuesday

Morning Conservation and understanding slating:
How slate roofs work; evolution from vernacular to modern slates; from vernacular to modern slating – random and tally; fixing systems – pegs, nails hooks, iron frame etc; other types of slating single lap, triple lap, patent, diamond pattern etc

Conservation and understanding slating:

	Regional roof types; materials; stone slates; metamorphic slates; true random slates; roofing guides and codes of practice etc; British/European standards
Afternoon	Preparation of slates for roofing: Splitting and dressing; holing and sorting; recording slating; common faults Demonstration of recording a vernacular slate roof Demonstration of different traditions for setting out a random slate roof
Day 3	Wednesday
Morning	Practical slating: Other materials Laths and battens; nails; mortar; tail and head bedding, scantle bedding, torching; flaunches, ridges and hips; mortar mixes; underlay; leadwork; video Collyweston project Slating: Practical random slating – gauging roof, peg fixing slates; detailing; eaves; ridges; hips; verges and abutments; valleys – pitched and horizontal, vernacular and regional, curved slating
Afternoon	Transfer to South Coast Roof Training for practical work Basic slating: Gauging tally roofs; battening, strike perps and slating; setting out a random roof; valley slating Transfer to West Dean College
Day 4	Thursday
Morning	Practical conservation Survey – what to look for, cause and effect; assessment – old and new techniques; conserve as found or ‘improved’?; insulation and ventilation; bats Practical conservation: Video Penmaen Cottage; workmanship – choosing a slater; writing/checking a specification; on-site checks/supervision; further information and reading list Transfer to South Coast Roof Training for practical work Advanced slating: Recording random roof gauges; continue valley slating
Afternoon	Complete practical work and assessment: Issue of certificates and depart. Minibus to Chichester Railway Station and West Dean College.

Non-residential course fee £620

Fully inclusive residential course fee:

Shared bathroom facilities 791

Standard room with private bathroom facilities £851

Superior room with private bathroom facilities £911

HOW TO BOOK

Please complete one booking form, or copy of form, per person per course and enclose a deposit for each course booked. On receipt of your booking, we will send all the further details you will need for your visit, including the course details and your final payment slip. Travel instructions will be sent to all students.

For further information about the course, please contact the Course Organiser: +44 (0)1243 818219 or cpd@westdean.org.uk

For further information about booking, please telephone the Bookings Office: +44 (0)1243 818300.

Website: www.westdean.org.uk