

Corrosion Control in the Oil and Gas Industries

Short Course

16-20 April 2012 The University of Manchester

The Corrosion and Protection Centre, School of Materials, The University of Manchester.

www.manchester.ac.uk/materials/shortcourses

Corrosion Control in the Oil and Gas Industry

At the Corrosion and Protection Centre, we have been offering intensive short courses in corrosion for forty years. We have the largest academic research group concerned with corrosion and corrosion control in the world; studies embrace metal, natural stone, concrete, polymers and new advanced materials.

This inaugural course in Corrosion Control in the Oil and Gas Industries has been designed for professionals and recently appointed graduates working in the field of oil and gas. Guided by world leaders in the field, you will explore principles and protection strategies.

The combination of teaching methods – formal lectures, case studies and practical sessions – will maximise the learning process and your understanding of the subject.

Course tutors

The Course Director is Professor David Scantlebury the senior Professor in the School of Materials. The Course Coordinator will

be Don Harrop, Visiting Professor in the Corrosion and Protection Centre and ex BP. All the staff involved in this course have international and established reputations in the multidisciplinary field of corrosion and are drawn from the Corrosion and Protection research group, INTERTEK CAPCIS, or are private consultants in the industry.

The course runs over five days and covers a variety of industry-relevant topics. You can register for the full five-day course or pick individual days. Your registration includes a copy of the course brochure; attendance at all lectures, workshops and discussions; refreshments and lunch each day of the course; an evening reception on Day 1 and course dinner on Day 4.

Day 1
16 April 2012

Elementary electrochemistry Principles of aqueous corrosion Atmospheric corrosion Electrochemistry and corrosion workshop

Day 2
17 April 2012

Pitting and crevice corrosion Stress corrosion cracking and corrosion fatigue Failure analysis and workshop High temperature corrosion and oxidation Water chemistry relevant to oil and gas materials selection

Day 3
18 April 2012

Cathodic protection Corrosion monitoring Microbial corrosion, Corrosion Inhibitors, The theory and practice of painting, Pipeline materials selection, coating failures and cathodic protection workshop.

Day 4
19 April 2012

Asset Management, Corrosion resistant alloys, Weld corrosion
The rest of the day will be allocated to case studies drawn mainly from the oil and gas industries

Day 5
20 April 2012

Oilfield Inhibitors, Corrosion Engineering downstream, Health and Safety Issues from the HSE, Individual case studies and discussions

Case Studies will be hosted from experienced experts from the following companies; BP, Wood Group Integrity Management, Lloyds Register, Shell Global Solutions, Shell Malaysia, together with independent consultants.

Registration

Corrosion Control in the Oil and Gas Industry, 16 April - 20 April 2012

Please complete this form on line and return by 25 March 2011. to shortcourses-materials@manchester.ac.uk.

Or print it out and complete and post it to **David Scantlebury, Corrosion and Protection Centre, University of Manchester, M13 9PL**

Fees

Full five-day course £1500 Your registration includes a copy of the course brochure; attendance at all lectures, workshops and discussions; refreshments and lunch each day of the course; an evening reception on Day 1 and course dinner on Day 4.

Daily rate £400

Your registration includes a copy of the course brochure and a course text book; attendance at all chosen lectures, workshops and discussions; refreshments and lunch each chosen day of the course.

Title: _____ First name: _____ Family name:

Company: _____ Position:

Address line 1:

Address line 2:

Country: _____

Postcode: _____

Telephone: _____

Email:

I have special dietary /access requirements

(We'll contact you to discuss your requirements)

I would like to attend:

The full five-day course

Day 1 only Day 2 only Day 3 only Day 4 only Day 5 only

Payment

£1500 []

Daily rate £400

I enclose a cheque for £ _____ Cheques payable to The University
of Manchester

Please send me a credit / debit card form

Please invoice my company:

Company details: _____

If you would like further information on this course please
contact David Scantlebury; davescant@hotmail.com or his
mobile, 07740467424. He will be happy to hear from you.

The University of Manchester The Mill, Sackville Street
Manchester, M60 1QD, UK

Tel: +44 (0)161 306 2218

Email: shortcourses-materials@manchester.ac.uk

www.manchester.ac.uk/materials/shortcourses

Disclaimer: The University of Manchester reserves the right to cancel the course if insufficient interest is shown in the course and to alter the timetable while preserving the essential features of the course