



Structures

Introductory Certificate

Day 1 – Further Dates TBC

Structural Design and Loading

Day 2 – 13 October 2009

Foundations

Day 3 – 04 November 2009

Structural Timber

Day 4 – 01 December 2009

Masonry

Day 5 – 28 January 2010

Structural Steelwork

Day 6 – 02 February 2010

Reinforced Concrete

Day 7 – 26 March 2010

Assessment

Domestic Loft Conversions

Dates TBC

Basic Geotechnics

28/29 October 2009

Each day will take place at the
ABE HQ, Northampton

Fees

£175 + VAT

Per Day

£50

ABE Member

Discount

Per Day

10%

Training

Affiliate

Discount

6 CPD Hours

Introductory Certificate

Day 1 Further Dates TBC

Structural Design and Loading

- Loading, sources and applications BS 6399
- Analysis: beams and frames

Day 2 13 October 2009

Foundations

- Basic site investigation
- Simple pad, strip and pile design
- Retaining walls and sheet piling

Day 3 04 November 2009

Structural Timber

- Principles and practice BS 5268
- Stresses and moduli: joists and trimmers
- Struts, ties, posts and studs

Day 4 01 December 2009

Masonry

- Principles and practice
- Lateral restraint and buttressing
- Movement joints

Day 5 28 January 2009

Structural Steelwork

- Principles and practice BS 5950
- Beams: restrained and unrestrained
- Simple columns and bases

Day 6 02 February 2010

Reinforced Concrete 02 February 2010

- Principles and practice BS 8110
- Slabs and beams
- Simple columns and bases

Day 7 26 March 2010

- Assessment

Domestic Loft Conversions

Dates TBC

- Identification of the forms of loft conversions
- Structural content and requirements
- On-site inspection
- Preliminary sizing of structural elements
- Typical structural arrangements and details
- Structural loading and numerical assessment of structural elements, bearings and connections using tables with reference to computer packages
- Interaction of new structural elements with the existing building fabric

Basic Geotechnics

28/29 October 2009

- Identification of the basic properties and behaviour of soils in the context of domestic and low-rise building foundations
- Identification and assessment of soil systems and structures including piling and retaining walls
- An optional open book assessment
- Assessment of and checking the dimensions of simple strip and pad foundations under various loading and environmental conditions (including building near trees)
- Identification of appropriate site investigation and laboratory testing systems

Registration Form – Structures

Introductory Certificate Day 1 [] Day 2 [] Day 3 [] Day 4 [] Day 5 [] Day 6 [] Day 7 []
Domestic Loft Conversions [] Basic Geotechnics []

Name: _____ Organisation: _____

Company Address: _____

Postcode: _____

Tel: _____ Fax: _____ E-mail: _____

Membership Number: _____ Training Affiliate Number: _____

Special Requirements: _____

Payment

Invoice Address (if different from above): _____

Purchase Order Number: _____

Cheque Number (please make cheques available to ABE): _____ Visa/Maestro/Mastercard Issue Number: _____

The organisers reserve the right at any time and without prior warning to change the venue of the Seminar and/or Speakers/Chairman from those described in the programme. The organisers also reserve the right in their absolute discretion without further liability to cancel the seminar, in which case all monies will be refunded. The organisers accept no responsibility for the view expressed by the Speakers, Chairman or any other person at the Seminar. The Association has to make provision for the running of the courses including seminars, conferences, NVQ, SVQ and VRQ and degree qualifications whether delegates complete them or not. For seminars and conferences, delegates should note that all course fees that are less than or equal to £150 + VAT, are subject to payment of the full fee at the time of booking. Seminar cancellations received in writing by Kate Illott, Deputy Chief Executive, prior to 14 days before the event will be subject to a fee of 50%. No refunds will be made for cancellations after this date or for non-attendance. Substitutions received in writing can be made at any time. Accommodation can be arranged through ABE HQ at a supplementary cost. Association of Building Engineers. Registered Office: Lutyens House, Billing Brook Road, Weston Favell, Northampton, NN3 8NW. The Association of Building Engineers is a company limited by guarantee, registered in London, No. 384 609