Professional Development
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Training courses
CPD for professionals working in environmental design of buildings and eco-city planning

cardiff.ac.uk/professional-development
We are a Russell Group university, known for excellent teaching, outstanding research and links with business and industry.

We have brought together a package of training activities designed to support and help further the careers of professionals working in areas such as:
- Building design
- Building management
- Environmental construction
- Urban planning
- Transport planning/logistics
- Renewable energy planning

This booklet provides details of a wide range of Continuing Professional Development (CPD) opportunities, including postgraduate level modules that are available on a standalone basis.

Our CPD offering spans both technical expertise and so-called ‘soft’ or professional skills, such as leadership and project management.

Free business/networking events are available across the University, and run throughout the year. Keep up to date by following us on Twitter or Linkedin.

Invest in your own professional development
- Improve your competence and performance at work
- Enhance your job satisfaction
- Further your career and prospects
- Fulfil CPD requirements for your professional body membership
- Meet and share best practice with others working in the field

Why choose Cardiff University?
- Access flexible and affordable study at a world-renowned university
- Learn from our latest research and expertise
- Balance your study with work and life commitments
- Test out your appetite for a full postgraduate degree
- Accumulate credits towards a postgraduate qualification*
- Establish wider links with Cardiff University
- You’ll be supported by excellent customer service from our CPD Unit

Bespoke CPD service
We can offer a bespoke service, such as repackaging a postgraduate taught module into a short course for a group of employees, or developing an entirely new training programme to suit your specific requirements. Talk to us about how we can help: train@cardiff.ac.uk.

How to apply
The application process depends on the type of CPD training you choose. Many short courses can be accessed through our simple online booking system. Others will require you to fill out a brief application form.

Short professional skills courses
In many cases, our professional skills CPD courses are available to all. Simply book online. Find out more at: cardiff.ac.uk/professional-development/short-courses

Standalone postgraduate modules
We welcome applications from those who may not have the traditional entry requirements, but who can demonstrate relevant work experience or prior learning.

When you apply, we will ask you to complete a short application form that details your previous qualifications and/or experience.

How modules are taught
In most cases you will be joining postgraduate students who are taking a full degree programme, so you will be joining them for one module.

The modules we offer on a standalone basis have been carefully chosen, to ensure they are suitable to be taught in this way.

Find out more at: cardiff.ac.uk/professional-development
(Search for ‘postgraduate modules for CPD’)

*This relates to postgraduate taught modules. Eligibility and timescales for transferring credits will vary from one qualification to another.
Low Carbon Buildings
£520
10 credits
This module takes a holistic approach to the energy use of a building.

It will look at working with goals for building design, such as zero carbon standards, and with ways of offsetting energy consumption with renewable technologies.

The module will introduce techniques for assessing the energy footprint and sustainable performance of the building using benchmarking.

Investigation of the Built Environment
£520
10 credits
This module focuses on the introduction of methods and techniques used in post-occupancy evaluation, by which building designers, owners and operators can determine whether their building performs as anticipated.

It introduces measurement and post-occupancy evaluation, and looks into a number of investigative and analytical methods and techniques, including simulation, measurement, and survey.

It takes into account both physical and human perspectives of the built environment and draw on methods appropriate to academic and practice based investigations.

Environmental Design of Buildings
£520
10 credits
This module will help you understand the concept of sustainability in the context of building design, and the impacts of the built environment on the natural environment.

To understand how building designs can minimise/reduce use of global resources strategies for energy efficiency in buildings.

Environmental Building Design

Earth and Society
£520
10 credits
The module provides a structure for students to develop, discuss and formulate their personal sustainability standpoint.

It introduces the principal concepts of sustainability and the values, beliefs and assumptions that underpin them.

It looks at the historic development of the ‘green’ movement and how social frameworks, which influence people’s behaviour and lifestyles, impact on sustainability.

It identifies different positions relating to sustainability adopted today, both at a theoretical and practical level, and encourages students to question these as well as their own views.

It ensures an awareness of sustainability at a variety of development scale, from individual buildings through communities to the broader urban scale including health and comfort in the built environment.

These modules are recognised CPD opportunities for members of RIBA, CIBSE and other professional bodies.

Suitable for graduates or experienced practitioners in the built environment, eg architecture, building services engineering, building technology or environmental studies

Strengthen your expertise and develop new skills

These modules involve face to face tuition, typically once a week for one semester

Distance learning options are available if you’re juggling work and life commitments or you’re not local to South Wales

Modules are taken from a Welsh School of Architecture MSc programme, which is accredited by CIBSE

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IS THIS FOR ME?

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The Welsh School of Architecture designed and built Wales’ first low cost ‘energy positive’ house (Solcer House)

Architecture and Built Environment are both ranked 37 in the world
(QS World University Rankings by Subject 2019)

Architectural and Built Environment and Planning are both ranked 1st in the UK for the impact our research has on society
(REF 2014)

Engineering ranked 1st in the UK for the impact our research has on society
(REF 2014)

Civil Engineering ranked 1st in the UK
(REF 2014)
Urban Design and Planning

- Debates in Eco-City Planning and Development
  £930
  20 credits
  This module provides an in-depth analysis of the different forms of eco-city development (from new build, to retrofitting, to informal development) and it will analyse by which processes eco-cities emerge.

  Debates will include understanding the terms that are used as alternatives or synonyms to the term ‘eco-cities’, including low carbon city, smart city, or transition city, to distil the distinctiveness of eco-cities.

- Sustainable Transport Policies
  £930
  20 credits
  This module considers the complexities involved in meeting society’s mobility needs whilst minimising negative impacts associated with surface transport.

  The module focuses on three main areas:
  - Understanding the environmental, social and economic impacts of different transport modes
  - Identifying and evaluating the efficacy of different sustainable transport solutions
  - Exploring the social, environmental and ethical consequences of different policy, behavioural, spatial and technological solutions for achieving more sustainable transport.

- Transport Analysis
  £930
  20 credits
  This module introduces students to a set of analytical approaches which are frequently used in transport planning practice.

  This includes an analysis of travel behaviour, which aims to provide an introduction to research designs and strategies for understanding travel behaviour, acquisition and analysis of relevant data through practical exercises and transport surveys for collecting primary data.

  Particular emphasis is given on transport surveys for collecting revealed and stated preferences, which have been prominent in travel behaviour research. Designing such surveys and analysing the data they generate form an important part of this module.

- Renewable Energy Development and Planning
  £930
  20 credits
  A major contemporary challenge is to achieve a shift towards more sustainable systems of energy provision.

  Renewable energy sources are a key ingredient of such transitions, but delivering an expansion of renewable energy raises big issues for the relationship between society, energy, government and the landscape.

  This places planning in a pivotal position, and it is the role of this module to develop an advanced understanding of the roles that planning can perform.

- Governance of the Eco-City Development Process
  £930
  20 credits
  The purpose of this module is to provide a theoretically informed base from which to analyse the nature and variety of forms of governance that characterise eco and low carbon developments around the world.

  It does so by examining conceptual approaches to governance – the interactions between public and private sectors and citizens.
Other CPD opportunities

Project and Programme Management

Our project management CPD courses cater for those who are looking to develop practical skills as well as for more experienced practitioners seeking a formal qualification.

These courses are well suited to those who need project or programme management skills in order to operate most effectively as architects, building/environmental engineers or urban planners.

Our suite of courses span from the basics of project management for those new to their role, through to recognised qualifications and beyond.

Once you have attended one of our project management CPD courses, you’ll also automatically be eligible to become a member of our exclusive Project Management Alumni Network, and start to benefit from a range of services tailored for you.

A PRINCE2® Foundation and Practitioner (5 days)
The International Standard Method for Project Management. Provides a framework to cover a wide variety of disciplines and activities required within a project. Includes exams.

A Managing Successful Programmes (MSP®) (5 days)
Programme management framework to help organisations deliver transformational change. Includes exams.

A PRINCE2® blended learning (2 days)
Study at home in your own time, then attend a 2-day workshop. Includes exams.

A MSP® blended learning (2 days)
Study at home in your own time, then attend a 2-day workshop. Includes exams.

A AgilePM® Foundation and Practitioner (5 days)
A complete and practical understanding of the Agile approach. Includes exams.

N Project Management (2 days)
An introductory workshop, designed for those who do not require a professional qualification.

N Implementing Organisational Change (2 days)
An overview of the elements required to implement change: programme, change and benefits management.

PRINCE2®, MSP® and AgilePM® courses are delivered by our partners Aspire Europe Ltd, an Accredited Training Organisation. PRINCE2® and MSP® are registered trademarks of AXELOS Ltd. AgilePM® is a registered trademark of Agile Business Consortium Limited. All rights reserved.

Executive Education

Our Executive Education provision (part of Cardiff Business School) translates world-leading academic research into relevant, operational and impactful business practice for individuals and organisations.

Our programmes are focused on implementation - turning the concepts and ideas into specific actions that improve individual and organisational performance.

As a research-led institution, you can be assured that our teaching is derived from the very latest thinking. Learning is delivered through a variety of different methods, case studies, simulations and practical applications, to ensure effective knowledge transfer.

We also run regular free Breakfast Briefing sessions. See page 3 of this booklet for details.

For more details on our courses, visit: cardiff.ac.uk/business-school
More short CPD courses

Our short course CPD programme also covers subjects such as marketing, online communications and managing people.

These are practical workshops and classes, designed to raise skill levels and develop knowledge in key areas.

We have hand-picked the following courses as particularly relevant to those working in the engineering/planning/architecture/planning sector.

**Communication**
- Business Writing Skills
- Confident Communication
- Presentation Skills

**Marketing and online communication**
- Google Analytics
- Google Ads
- SEO
- Digital Marketing (introductory/advanced)
- Copywriting

**Management and leadership**
- Train the Trainer
- Effective Self-Organisation
- Managing Performance for Results
- Workplace Coaching Skills for Managers.

We can organise **bespoke** versions of our short courses, and offer them as **in-house training** for organisations.

email us: train@cardiff.ac.uk

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**GOOD TO KNOW**

We run small classes in a city centre location.

At least **90%** of CPD customers rate us as good or excellent for level of care and accuracy of information.

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**Contact us**

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