



Training courses

CPD for professionals working in
environmental design of buildings and
eco-city planning

cardiff.ac.uk/professional-development

Professional Development at Cardiff University

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.

*This relates to postgraduate taught modules. Eligibility and timescales for transferring credits will vary from one qualification to another.

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 an 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')

Want to know more?

Visit our website for further information, and to book a course. We've created a web page specifically for professionals working in environmental design of buildings and eco-city planning:

cardiff.ac.uk/professional-development
(search under 'available training')

Contact us at:

CPD Unit
Cardiff University
21-23 Senghennydd Road
Cardiff
CF24 4AG

- ☎ (029) 2087 5274
- ✉ train@cardiff.ac.uk
- 🌐 cardiff.ac.uk/professional-development
- 🐦 @CardiffUniCPD
- 🌐 @Company/CardiffUniCPD



Further resources



BREAKFAST BRIEFINGS

Free seminar series from the Executive Education team. An opportunity to hear the latest research from Cardiff Business School.

executive-education@cardiff.ac.uk



INNOVATION NETWORK

Free events, covering topics on innovation, enterprise and entrepreneurship. Keep up-to-date with the latest opportunities:

business@cardiff.ac.uk

The CPD Unit

Our team of experts at the CPD Unit has extensive experience working with organisations both in the UK and internationally.

We are here to provide you with a gateway to access the huge range of expertise available within the University. We will guide you through the process, facilitating the translation of research and knowledge into practical, impactful training activities.

Customer Service Excellence

At the CPD Unit, we are proud to hold the Customer Service Excellence standard®. We are committed to providing a service which is welcoming, reliable and exceeds customer expectations.



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.

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-  School of Engineering
-  School of Geography and Planning
-  Cardiff Business School
-  Project Management and short courses

Postgraduate standalone modules



Modules that can be taken on a standalone basis for CPD. Giving you the flexibility to study at postgraduate level whilst managing your existing work and life commitments.

Environmental Building Design

Earth and Society

£520 (Distance learning: £430 home/EU students; £970 international students) 10 credits

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

It considers the historic development of the 'green' movement and how social frameworks, which influence people's behaviour and lifestyles, impact on sustainability as well as introducing Climate Change as an important context for sustainable development.

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 also 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.

The module provides a structure for students to develop, discuss and formulate their personal sustainability standpoint.

IS THIS FOR ME?

- ① These modules are recognised CPD opportunities for members of RIBA, CIBSE and other professional bodies.
- ② Suitable for graduates or experienced practitioners in the built environment, eg architecture, building services engineering, building technology or environmental studies
- ③ Strengthen your expertise and develop new skills

- ④ These modules involve face to face tuition, typically once a week for one semester
- ⑤ Distance learning options are available if you're juggling work and life commitments or you're not local to South Wales

- ⑥ Modules are taken from a Welsh School of Architecture MSc programme, which is accredited by CIBSE

- ⑦ This module is offered as face-to-face tuition, typically once a week for one semester

RIAI CPD LINKS Welsh School of Architecture
RIAI Recognised CPD Providers These courses are recognised by The Royal Institute of Architects of Ireland (RIAI).

GOOD TO KNOW

Architecture is ranked 38th in the world

(QS World University Rankings by Subject 2020)

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

Architecture 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)

Low Carbon Buildings
 £520 (Distance learning: £430 home/EU students; £970 international students) 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 off-setting 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 (Distance learning: £430 home/EU students; £970 international students) 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.

Urban Design and Planning

Debates in Eco-City Planning and Development

£930

20 credits

This module will provide 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 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.



TRANSPORT FUTURES RESEARCH NETWORK

This group carries out research and engagement activities on new and emerging transport technologies, including electric and autonomous vehicles.

Find out more:

transportfutures@cardiff.ac.uk

GOOD TO KNOW

Research from the **School of Geography and Planning** makes the connections between human geography and spatial planning

Our **research-led** teaching methods bridges the gap between **academic knowledge** and **real world** situations

The **Spatial Planning and Analysis in City Environments** research group is part of our School.

Areas include **land use**, population change, urban morphology, **urban design**, transport, and **housing**

- ① Suitable for graduates or experienced practitioners working in planning, logistics, transport and/or sustainability
- ② These modules could support CPD requirements for members of RTPI, CILT and other professional bodies
- ③ These modules involve face to face tuition, typically once a week for one semester
- ④ Suitable for those local to South Wales who can regularly attend classes

IS THIS FOR ME?

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.

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A	Accredited
N	Non-accredited

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- 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 Leading People Through Change (2 days)**
An overview of the elements required to implement change: programme, change and benefits management.

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 4 of this booklet for details.

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

Leadership in Business Administration (LBA) Programme
Designed to offer a specific work-related insight into our Executive MBA. Modules will be wholly applicable to participants' workplaces so learning can be applied right away.

Lean Six Sigma
A well-established approach that seeks to identify and eliminate defects, mistakes or failures in business processes or systems. The 5-day Lean Six Green Belt training is very practical, and enables attendees to start applying tools and techniques for improving efficiency and effectiveness of business processes.

Introduction to Lean and Operational Excellence
A day of training exploring the core principles of Lean, Continuous Improvement and Operational Excellence. Also introduces some key tools to bring about positive change.

Expert LEAN Programme
A 5-day programme designed to equip change agents, managers and leaders with skills to lead successful transformations. Provides new insights to those who already have a good understanding of lean.

GOOD TO KNOW

We can offer **tailored** or entirely **bespoke** versions of our **Project Management** CPD courses:

train@cardiff.ac.uk

Cardiff Business School is ranked **6th** for research quality out of **101** UK business schools)
(REF 2014)

Cardiff Business School is very large, with **academic experts** in most **business disciplines**

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

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

email us:
train@cardiff.ac.uk

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

