

Professional Doctorate in the Built Environment

Doctor of Ecological Building Practices (D.EBP)

This doctoral research degree offers the opportunity to explore and develop practice in relation to environmental issues and is open to those working in the built environment professions including architecture, building and construction, planning, development, engineering, product, industrial and manufacturing design, and others whose work can or could relate specifically to an ecological or sustainable built environment.

The Professional Doctorate is validated by the University of Wales and is managed and delivered in collaborative provision between the Graduate School for the Environment, Centre for Alternative Technology (GSECAT) and the University of Wales Institute Cardiff's School of Art & Design (CSAD). CAT is regarded as Europe's leading eco-centre and has been engaged in practical research in environment and sustainability for over 30 years. CSAD dates back nearly 140 years and its graduates have become fine artists, designers, architects and professionals in the creative industries.

The Professional Doctorate degree recognises a contribution at doctoral level to professional knowledge, products or processes, and which is at the forefront of the discipline. Unlike a traditional PhD the Professional Doctorate is based largely around practice, with short attendance periods at either GSECAT or UWIC. Modules include seminars, lectures, workshops, tutorials, presentations and other research events at CAT and UWIC, with a dedicated Virtual Learning Environment (VLE) to support candidates throughout.

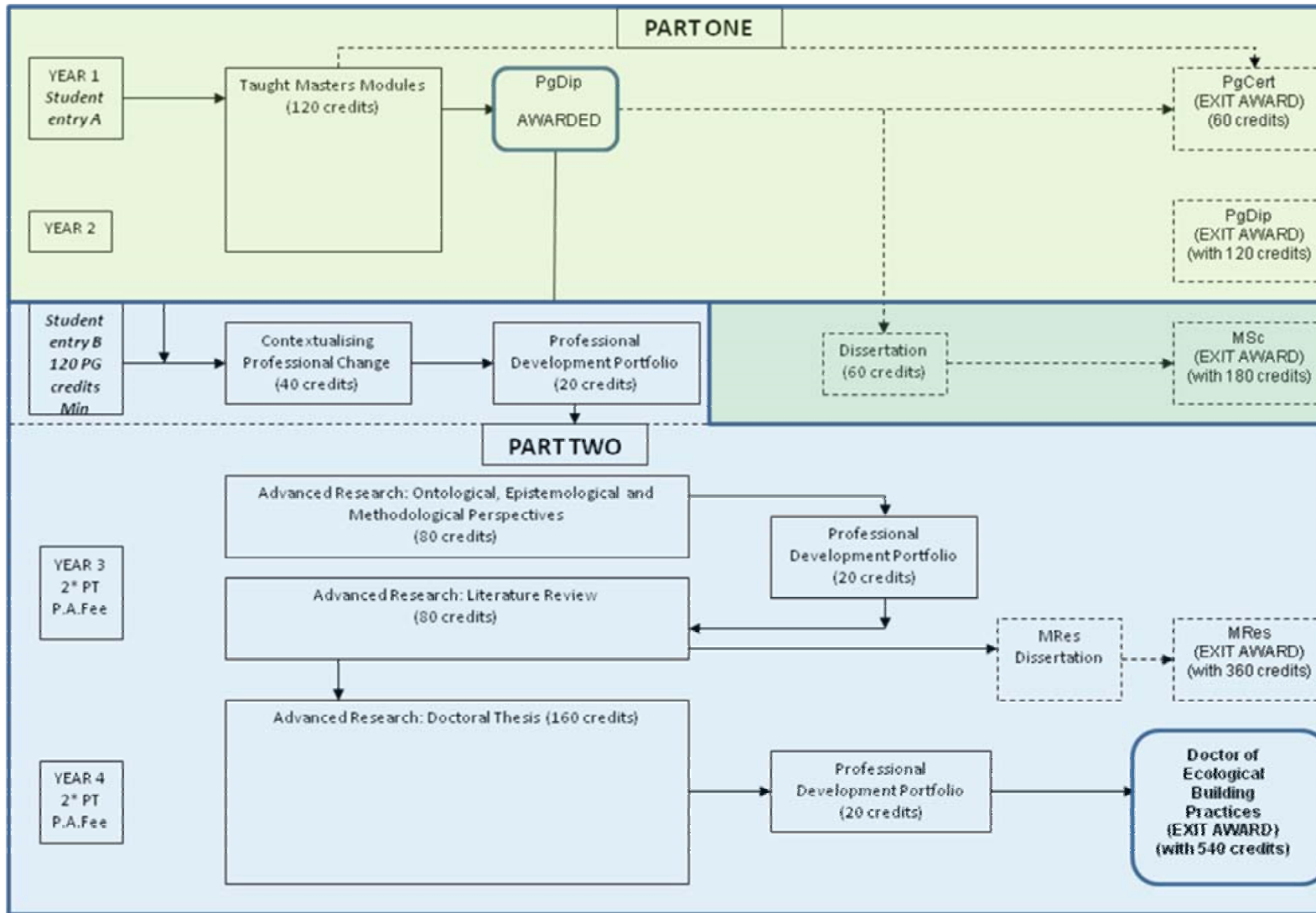
Programme structure

The two part programme is modular, with two possible entry points. Student entry A is for students without a Masters degree or without 120 credits at Postgraduate level and therefore these students enrol on the MSc programme in Ecological Building Practices and transfer to the Doctorate after completing 120 credits. Student entry B is for students who already have 120 Postgraduate credits. If students have not previously undertaken a Research Methods module, with the same or similar content as that which is part of the MSc in Ecological Building Practices then they must undertake the Research Methods module after undertaking the Contextualising Professional Change module.

Figure 1 below illustrates the normal minimum route for Part One and Part Two of the professional doctorate programme in ecological building practices.

Normal Min PT

Figure 1.



Part One of the programme offers a wide range of optional modules on all aspects of environmental issues and built environment, and will usually take up to 2 years of part time study. Part One modules are shown in table 1. Students take the two core modules and four further modules (totalling 120 credits). A thesis module is taken if the MSc Ecological Building Practices is to be awarded, or candidates may proceed directly at this stage onto Part B of the programme.

Table 1: The six MSc modules for Part One of the DEBP from the MSc EBP Programme

| Module | | Credits | Module status | Days attendance |
|--------|---|---------|-----------------|-----------------|
| EBP 1 | Ecological and Environmental contexts | 20 | Core | 3 |
| EBP 2 | Research methods (1) | 20 | Core | 2 |
| EBP 11 | Thermal design of buildings | 20 | Option | 2 |
| EBP 12 | Ecological aspects of building systems and services | 20 | Option | 2 |
| EBP 13 | Renewable energy systems | 20 | Option | 2 |
| EBP 14 | Computer simulation (1) | 20 | Option | 5 |
| EBP 15 | Health and the Built Environment | 20 | Option | 2 |
| EBP 16 | Environmental assessment and legislation | 20 | Option | 2 |
| EBP 17 | Materials and construction | 20 | Option | 2 |
| EBP 18 | Design project | 20 | Option | 5 |
| EBP 30 | Dissertation | 60 | Core (1) | 1 |

(1) Core module only if graduating with an MSc and not proceeding directly to the remainder of Part One of the DEBP

At Part Two of the programme students first undertake a three day Contextualising Professional Change module, of which one of the outcomes is a research proposal. A further day is spent on presentations of these proposals.

Attendance at the doctoral stage is very flexible. The remaining six modules are undertaken either virtually or over 6 research seminars in Cardiff and/or Machynlleth. In addition to these seminars there is also a minimum of one face-to-face meeting each year with the supervisory team to discuss progress.

The outcome of these modules is a thesis, which may be supported by and relate to the work produced during the period of enrolment. Examples of supporting work could be drawings, computer programs, planning or legislative documents, results and analysis of physical testing, models, or design and subsequent analysis of buildings and processes of building. The thesis will specifically relate to practice in the environmental context. Part Two will usually take between two and five years of study.

Entry qualifications;

Part One – An honours degree (or equivalent) from an approved University

Part Two – one of the following;

- The successful completion of Part One
- A masters degree of an approved University obtained by research or advanced study
- Completion of a minimum of one years full time or two years part time supervised postgraduate work in the same academic discipline (120 credits)
- Satisfactory evidence equivalent to ii. or iii above that the applicant has sufficient relevant expertise, experience or qualification beyond graduation for the purposes of completing the Professional Doctorate in the times stated below.

In each of the above cases the Research Degrees Committee will require satisfactory evidence that the applicant will be able to complete the Professional Doctorate in a minimum of 2 years full-time and 3 years part-time.

Fees:

Fees on application

Entry dates: February and September each year

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| <i>For further information please contact;</i> | |
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