MSc Environmental Architecture

This programme provides students with specialist knowledge and insight into the relationships between low energy architectural design, energy and indoor environmental performance, and building occupants.

The core content is structured to provide students with an intellectually intense experience in the contemporary issues of theory integrated with the practice of design of sustainable and healthy built environments. Project-based learning and case study models enable students to develop real world learning skills and experience. The dissertation/design thesis at stage 3 provides a vehicle through which candidates will be supported to become masters of their selected subjects of interest.

Programme Aims

This interdisciplinary programme is aimed at those who aspire to specialised practice or research within built environment disciplines (such as architecture, building services engineering, building physics) and who wish to gain insight into the processes and knowledge that informs and shapes how buildings are designed to meet contemporary targets for energy, indoor environmental quality and usability.

The programme will equip students with skills and knowledge that can be applied to practice in the fields of architectural design, environmental consultancy, building management or policy. The course also provides a foundation for those wishing to pursue careers in research and/or academia by providing a route to doctoral research.

Courses

Stage one (60 credits)
1. Theory of Environmental Architecture
2. Environmental Design and Analysis in Architecture
3. Building Performance Evaluation
4. Core Research Skills (Elective)

Stage two (60 credits)
1. Energy, Comfort and Health
2. Dissertation/design Thesis Proposal
3. Technical Research Paper
4. PGT Elective

Stage 3 (60 credits)
1. Dissertation/design Thesis