High performance buildings strive to reduce their impact on their environment by reducing embodied and operational resource inputs, but they also aim to minimize negative impacts on their occupants by creating a healthy, comfortable, and productive indoor environment. Performance of indoor environments is described as Indoor Environmental Quality (IEQ), and quantitative assessment of IEQ has emerged in the last five years as a major activity across the high performance building sector, in this country and abroad.

Indoor environmental quality parameters include acoustics, lighting, indoor air quality and thermal comfort, which have been directly linked to building energy consumption. For example, the single largest energy end-use in a commercial building is Heating, Ventilation and Air-Conditioning (HVAC). It typically accounts for 50–60% of a building's annual energy and it is all about thermal comfort and Indoor Air Quality (IAQ).

Numerous research studies have drawn causal links between poor IAQ and a cluster of non-specific workplace ailments collectively referred to as Sick Building Syndrome. Other researchers have recently suggested that office-worker productivity decrements can be attributed to poor IEQ, although this is contentious due to the difficulty of validly quantifying productivity.

But the link between IEQ and comfort is unequivocal. High performance building advocates are quick to point out that an office worker who is not distracted or irritated by poor lighting, thermal discomfort, unwanted noise and poor air quality, is much more likely to be performing optimally than her/his counterparts in an uncomfortable work environment. And since personnel represent the overwhelming majority of business costs (orders of magnitude more than building or energy costs), occupant comfort cannot be ignored.

The first of its kind in Australia, this unit brings together a team of lecturers who are all world leaders in their respective domains of IEQ research. Taught across five consecutive Thursdays in August 2013, the unit comprises four days of lectures followed up with a full day of hands-on work in state-of-the-art IEQ Lab, Acoustics Lab and Lighting Lab. Assessment comprises a 40% written report on experimental work performed on Day 5 plus a 60% exam (optional for CPD students).
COURSE DETAILS

UNIVERSITY OF SYDNEY LECTURERS
Faculty of Architecture, Design and Planning:
Prof Richard de Dear (Unit Coordinator), A/Prof Wendy Davis, A/Prof Bill Martens, Dr Densil Cabrera, and Dr Christina Candido.

School of Civil Engineering:
Prof John Little

GUEST LECTURERS
Mr Chris Field (ARUP), Mr Carlos Flores (NABERS) and Mr Robert Milagre (Green Buildings Council of Australia).

LOCATION
Classes are held the The University of Sydney Camperdown campus, within the Faculty of Architecture, Design & Planning - Wilkinson Building |148 City Rd Darlington.

Lectures: Wilkinson ALT1 9am–5pm Aug 1st, 8th, 15th; 9am–1pm Aug 22nd, 9am–1pm Aug 29nd
Lab and Field Sessions: Wilkinson Building Level 4 IEQ Lab, 2–5pm Aug 22nd, 2–5pm Aug 29th

COST
6 point individual units of study are priced at $2310.00ea. Students are invoiced aprox 2 weeks after classes begin.

HOW TO APPLY
Students wishing to apply for individual units of study should apply for a place in the program ‘Architecture - Postgraduate Non-Degree’ through the University of Sydney’s Courses online system.

To begin an application, please follow the following link: http://sydney.edu.au/courses/Architecture-Postgraduate-Non-Degree and Click APPLY in the top right hand corner.

Your application should include any details you may have of previous study such as certified transcripts, or in cases where you have not studied at tertiary level before, a CV outlining your experience in related fields.

Please note that there are no minimum requirements to Undertake CPD units. The application portal is designed for all applications to the University, therefore the document upload section is extensive and will not apply to most CPD applicants.

You do not need to state which unit of study you wish to study until enrolment time. Enrolment papers can be completed at your first day of class by dropping into our student admin office on level 2 of the Wilkinson Building.

The only relevant documents you will need to include are:

• Proof of Identity and residency status, such as passport photo page, birth certificate, citizenship certificate and visa details where applicable. (Certified by JP)
  Unfortunately, Drivers licence’s are not accepted as proof of ID.

• Proof of completion or part completion, of any previous tertiary qualifications such as testamur, degree or official transcripts (if applicable)

• Marriage certificate or other documentation to verify name change (if applicable)

If in the future you decide to work towards a complete degree, whether it be Certificate, Diploma or Masters - you will be eligible for credit.

MORE INFORMATION

For any questions regarding your applications and enrolment, please contact:

Email: architecture@sydney.edu.au