

Living Architecture: Green Roofs and Green Walls

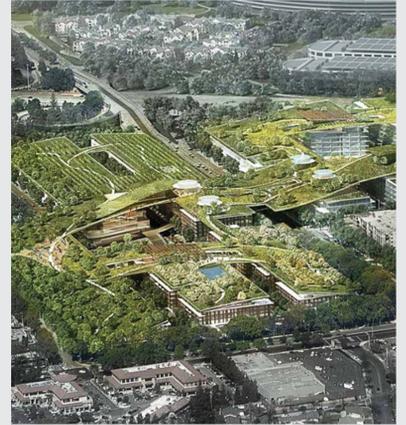
Linda Corkery & Catherine Evans, with Graeme Hopkins & Christine Goodwin, Fifth Creek Studio



Olympic Sculpture Garden, Seattle



Lurie Garden, Millennium Park, Chicago



Proposed Hills at Vallco, Cupertino, California

About the course

Students will

Understand how 'living architecture' improves building performance and contributes to the overall quality of urban environments.

Develop skills in making judgments about the suitability of green roof and living wall systems relative to high performance architecture, ameliorating the urban heat island effect, managing stormwater, and other environmental benefits.

Investigate how/if the integration of constructed, vegetated open space on buildings contributes to increased amenity for high density living.

Become familiar with the principles of designing green roofs and living walls.

Course redesign aims

To develop a blended-learning version of successful faculty elective, "Living Architecture: Green Roofs and Green Walls", to be delivered 70% online and 30% in face-to-face modes.

To increase active student learning in a flexible, self-paced delivery.

To redesign and reorient course content to align with BE focus on "high performance architecture" and evidence-based design.

To retain access to and involvement with the nationally recognized, award-winning expertise of Fifth Creek Studio, and link content to other local professional and industry expertise.

Approach

Worked with Graeme Hopkins in Sydney, reviewing and revising the existing course content and assessment tasks, and prepared a new course outline.

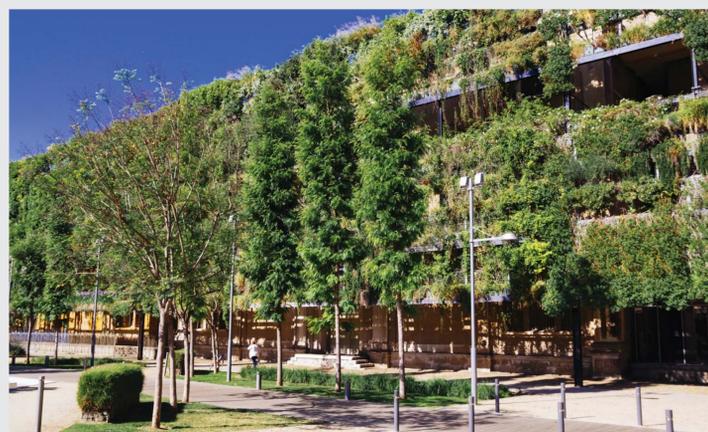
Graeme and Linda revised their Powerpoint presentations to deliver introductory and technical information for students to view on their own before the face-to-face sessions in January.

Added a research component, as an alternative to the design task from previous offerings of the course: Students conducted video interviews with industry leaders in Sydney.

Online content delivery in Nov-Dec with a 3-day face-to-face intensive in January with Fifth Creek Studio.



One Central Park, Sydney



Espai Tabacalera Green Wall, Tarragona, Spain



Chicago City Hall Green Roof

Outcomes

Innovative: Landscape Architecture's first hybrid course - 70:30 (online : face-to-face) delivery mode; and 'flipping' the classroom where students had to be prepared for participation.

Interdisciplinary: elective available to all BE students.

Interactive: self-paced student learning, using the Moodle platform.

Industry-focused: worked with leading practitioners, Fifth Creek Studio, expanding and sustaining their course materials; applying knowledge closely linked to current practice.

Investigative: student research project added to assessment tasks, and linking the course to current research and researchers in the field.

