



06/17

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The Contemporary Campus

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“Occupied and enjoyed,
Building 302 is a pedagogical
sociogram in a masterful
architectural frame.”

Science Centre

The Science Centre (Building 302) provides accommodation for the Schools of Psychology, Chemistry and Environment in addition to staff spaces for the Faculty of Science itself and is designed as the anchor of The University of Auckland's Science Precinct. Located on the edge of the city campus, the project responds to a brief that sought to increase the University's presence at a key gateway whilst bringing together new and existing facilities within the precinct.

Formally the project is organised to offer a generous "window into the life of the University" for passers-by and the city at large, whilst the provision of new sheltered edges to the street and ground plane linkages weave a connective network between the public realm and the campus community.

The building is based on an organisational strategy that promotes social and academic interaction. As with many previous Architectus projects, the arrangement of the spaces in section is key. Activities are organised around a series of staggered "rooms" and a connecting atrium, creating a flexible environment for research, learning and interdisciplinary communication.

Science Centre



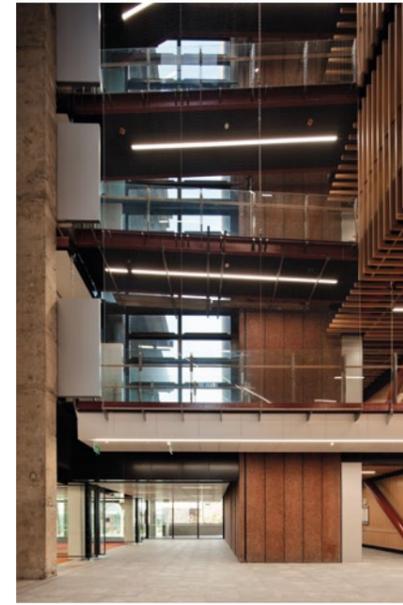
Client:
The University
of Auckland

Location:
Auckland, NZ

Approx. value:
\$160m

Floor Area:
23 000 m²

Contact:
Patrick Clifford
Auckland

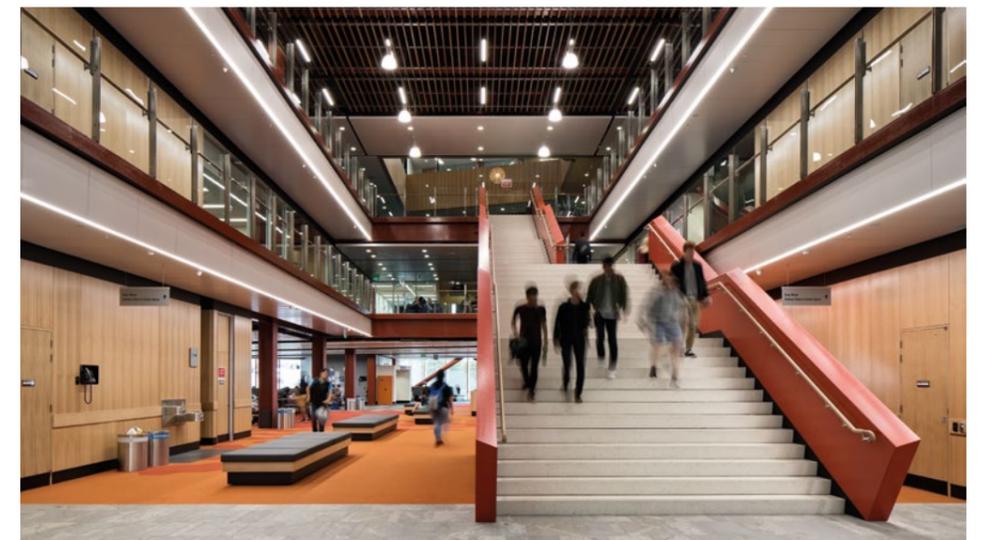


Above:
Floors at different levels in the old and new are connected by a series of stairs and ramps across a slender atrium.

The rooms, arranged one above the other in section, commence at the ground plane where the planning allows for an open and transparent student environment with connectivity to the adjoining streetscape and Campus public spaces. Above this an intermediate room connects staff and undergraduates whilst the uppermost room brings together the more intensive and specialised postgraduate research spaces. An atrium of stepped bridges joins this new work to its adjacent neighbour – the difference in floor levels becoming a party to the possibilities of movement not an impediment to them.

At the uppermost room four storeys of research laboratories are bought together either side of a top lit atrium. Extensive glazing to either side of the atrium connects the multiple lab spaces to each other and to the adjacent social spaces that overlook the campus beyond. Research spaces throughout the building are based on a 'generic design platform' to ensure the project can deliver adaptable and efficient facilities that will meet the evolving needs of present and future building occupants.

Above:
Research laboratories are arranged either side of the uppermost room, a five-level top lit space with connection and circulation via a staircase clad with translucent red glass.



Right:
A generous terrazzo treaded stair connects a mix of different social, teaching and learning environments across the lower two levels.

Sunshine Coast Health Institute

Sunshine Coast Health Institute

The Outdoor Room provides an informal, shady and welcoming entry courtyard connecting the glazed entrance to the Sunshine Coast University Hospital on the left and The Hub, the main entry to the Sunshine Coast Health Institute, on the right.

The contemporary campus for tomorrow's health professionals is an increasingly sophisticated educational facility integrated within a contemporary teaching university.

Sunshine Coast Health Institute (SCHI) is the teaching and research centre imbedded within the recently opened \$1.8b Sunshine Coast University Hospital (SCUH) designed by Architectus and Rice Daubney. The project is the locus of a major new health precinct in the rapidly growing Sunshine Coast city. A generous shady 'outdoor room' is the major public gathering space that marks the entry to both SCUH and SCHI.

The wings of the health institute and hospital face each other across the linear landscaped courtyard that orientates both academic and clinical floors. The timber battened, cylindrical Hub building contains a sophisticated auditorium equipped with high definition virtual anatomical modelling and live video links to major clinical procedures in SCUH.

Architecture and technology provide direct and immediate linkages from academic teaching and research to the operational reality of a major city hospital, continually enhancing both activities.

Sunshine Coast Health Institute



Right: Timber battens cast dappled sunlight and shade in the break out space to The Hub auditorium.



Left: The Hub, the entry and auditorium space of the Sunshine Coast Health Institute viewed across the lawned quadrangle of the Outdoor Room.

Client:
Exemplar Health Consortium

Location:
Sunshine Coast, QLD

Approx. Value:
\$1.8b

Floor Area:
4430 m²

Contact:
John Grealy
Brisbane



Above: Demonstrating the capabilities of the virtual anatomy table in The Hub's central auditorium.

In an era when campuses must offer something that online learning cannot, Arts West's spaces are designed for active, engaging and student centric learning. A range of learning space modalities were developed including project-based, interactive, collaborative, seminar, discursive and participatory. They incorporate a range of digital interactive technologies and low tech physical adaptability. The line between formal and informal learning is blurred. The circulation spaces are filled with enticing and comfortable places for group and individuals to meet, discuss, collaborate, listen, compare and share.

The entire building can be curated, you don't need to go to a museum to see part of history, it's all around you. The architecture both facilitates and artistically represents the concept of object-based learning and heightens the cultural experience of viewing and studying them by introducing statements and references of its own. The architecture, textiles and finishes set the scene with a rich mash-up of all manner of cultures, times, places and ideas.

The shapely columns at ground level are a playful reinterpretation of the time-honoured university cloister, blurring the line between inside and out. This is both a nod to the architectural university typology and an echo of the immediate site context.

Previously the Faculty's Bachelor of Arts degree was significantly dispersed across the University, with students travelling long distances between classes. The Arts West redevelopment has created a home for Arts students; a space that speaks of the Faculty and where individuals can feel part of their academic community.

University of Melbourne Arts West





As on-line learning becomes more widespread, sophisticated and engaging, educational institutions are grappling with the meaning of the on-campus learning experience. The Faculty of Arts at The University of Melbourne developed an exciting initiative, to release the University's significant artefact collections back into the curriculum and support object-based learning. Architectus in collaboration with ARM Architecture were engaged to deliver these aspirations in the form of a new building. The concept of object based learning is manifested in the built form, inside and out.

Client:
University of Melbourne

Location:
Melbourne, VIC

Approx. Value:
\$67m

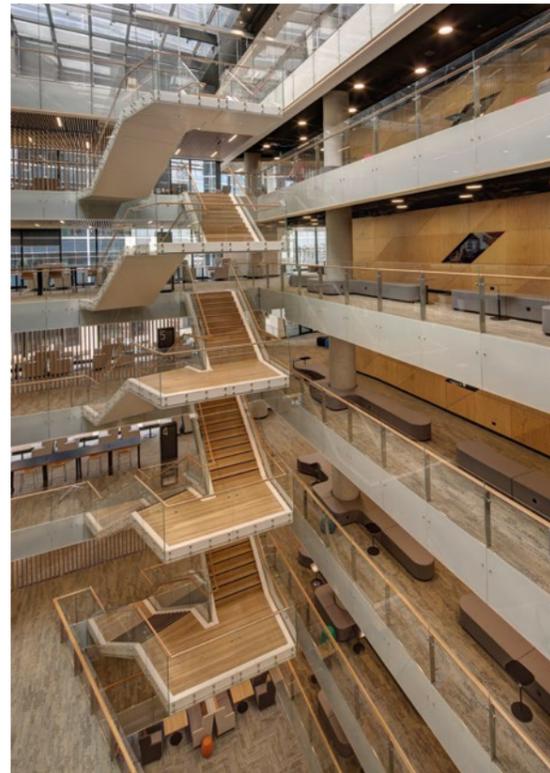
Floor area:
10 000 m²

Contact:
Ruth Wilson
Melbourne

Right:
The double skin façade features images of selected objects from the University's 23 cultural collections.



Above:
The design gives careful consideration to the treatment of the ground plane and the public spaces created around and under the building.



Arts West



Left:
The central atrium is designed as a fluid place to meet, discuss and exchange perspectives in the ebb and flow of university life.

Right:
The building is conceived as a cabinet of curiosities displaying an apposition of artefacts, cultures and space types.



Opposite:
1 Parramatta Square has received a 5 Star Green Star Education Design v1 rating, and has targeted a 5 Star NABERS Energy Rating.

Above:
The triangular atrium at podium level draws light into the centre of the building creating a sense of community and a focus for communication and interaction.

1 Parramatta Square spearheaded one of Australia's largest urban renewal projects and has generated the transition of Parramatta into a true university city. The Western Sydney University School of Business is at the centre of a thriving business district and provides students with opportunities to work closely with industry partners, expand industry engaged research and have a learning experience that aligns with their future professional practice.

Traditional teacher-centric spaces ensure clear sightlines via tiering and large central screens. This typically requires an increased floor-to-floor dimension, but the shift in pedagogy to small group work and distributed technology more closely aligns with the height requirements of a commercial floorplate. The large span structural grid of 1PSQ was already able to support column-free 60-person active learning spaces without modification.

Online learning is changing how universities view their real estate. Students no longer need to attend the physical campus for passive lectures but instead are drawn in to engage with, and learn from, those around them. This shift from large-format tiered spaces to small group, active learning has enabled speculative commercial stock to be utilised for tertiary education.

Light is drawn into the centre of the building through a triangular atrium space, which in turn creates a sense of community, encouraging communication and interaction for either an educational or commercial tenant.

The project heralds a change at Western Sydney University in becoming a leading international institution. Via this leasing arrangement, the University was able to reduce upfront costs and minimise risk while still custom designing their student experience.

Over a six-week design period the base building of 1PSQ was strategically modified from a commercial building to suit the needs of a tertiary education facility while easily converting back to an A-grade tenancy as required. At a base level the building classification changed and the population significantly increased. The vertical circulation and mechanical system was enhanced for these demands.

Parramatta square

169



Client:
Charter Hall

Location:
Parramatta, NSW

Approx. Value:
\$220.5m

Floor Area:
28 400 m² GFA

Contact:
Ray Brown
Sydney

Completed:
December 2016

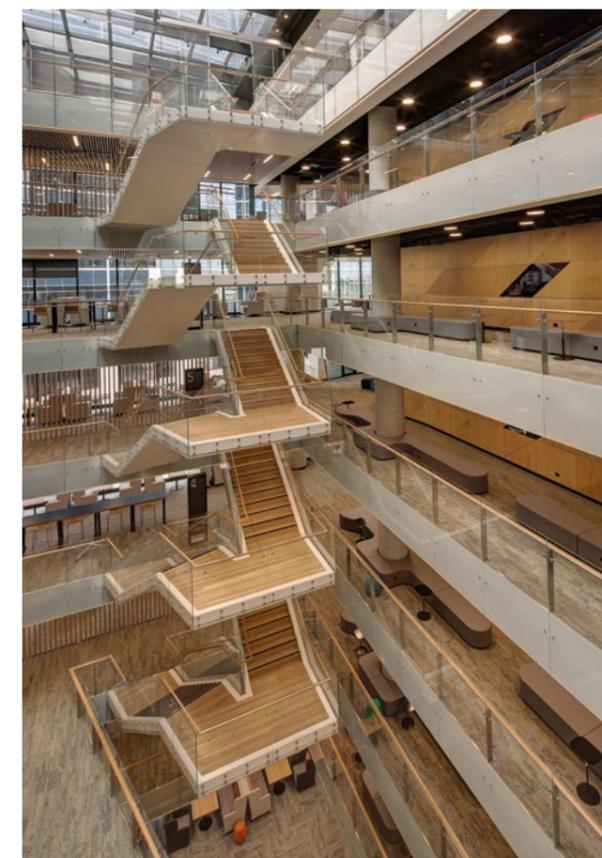
Technology is changing the tertiary education landscape. The eruption of online content means transmissive learning no longer happens on campus. Large tiered lecture theatres have been replaced by smaller active learning spaces, similar to modern collaborative workplaces. This shift in pedagogy demands different spaces.

With careful design consideration, 1 Parramatta Square (1PSQ) was adapted from an A-grade commercial building design to Western Sydney University's new vertical campus. It is Australia's largest developer-owned tertiary facility and pioneers the idea that a university doesn't need to own the building to deliver state-of-the-art facilities.

1 Parramatta Square



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architectus™

Adelaide
Phone +61 8 8427 7300
adelaide@architectus.com.au

Auckland
Phone +64 9 307 5970
auckland@architectus.co.nz

Brisbane
Phone +61 7 3221 6077
brisbane@architectus.com.au

Christchurch
Phone +64 3 348 3133
christchurch@architectus.co.nz

Melbourne
Phone +61 3 9429 5733
melbourne@architectus.com.au

Sydney
Phone +61 2 8252 8400
sydney@architectus.com.au

www.architectus.com.au
www.architectus.co.nz