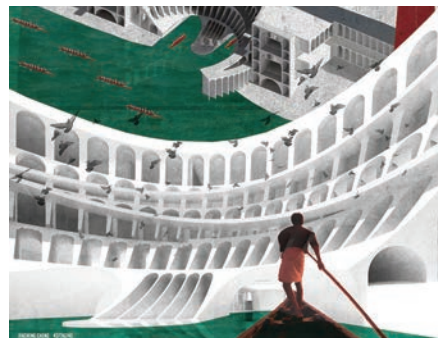




ARCH1201 / B.ARCH
PLAN & SECTION



ARCH2200 / B.ARCH
HISTORY & MEMORY



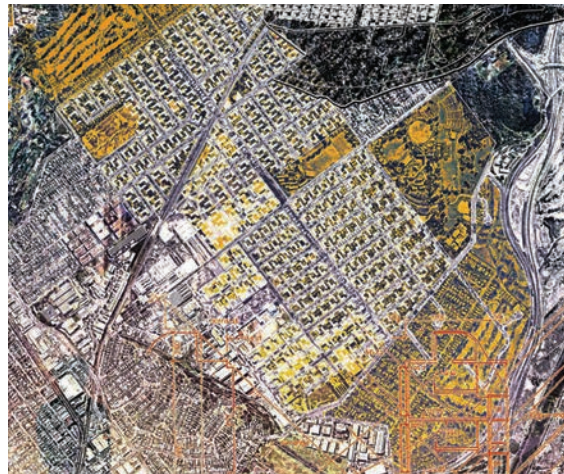
ARCH3200 / B.ARCH
TECTONICS & PRECISION



ARCH7001 / M.ARCH
ARCHITECTURE & COMMERCE



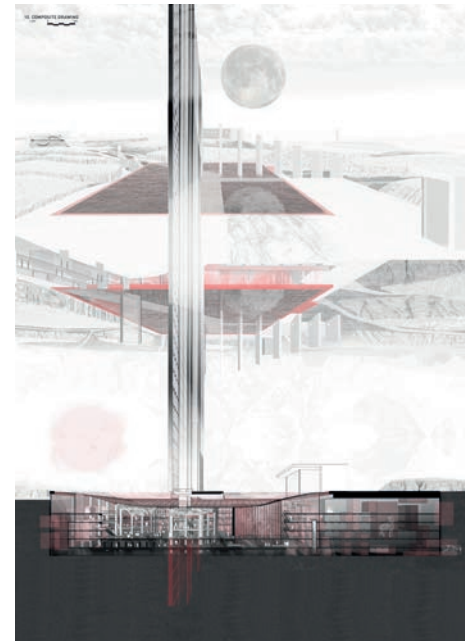
ARCH7002 / M.ARCH
INSTITUTIONS & IDEOLOGY



ARCH7004 / M.ARCH
DWELLING & DENSITY



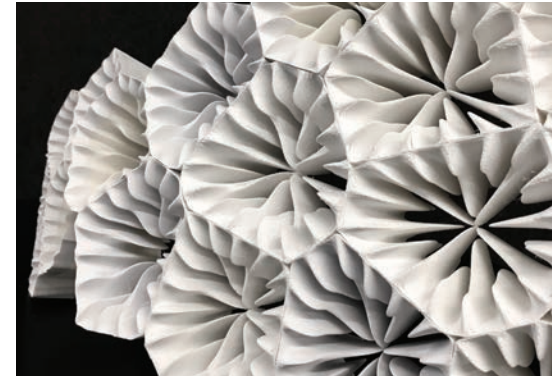
ARCH7003 / M.ARCH
ADAPTIVE CAPACITIES



ARCH7005 / M.ARCH
LANDSCAPES & ARCHITECTURE



ARCH7006 / M.ARCH
UTOPIAN URBANISM



ARCH7008 / M.ARCH
MATERIAL EXPERIMENTS



ARCH7015 / M.ARCH
GENERATIVE STRUCTURES



ARCH7016 / M.ARCH
RESPONSIVE ENVIRONMENTS

e_M b_ ARCH 2017

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e_M b_ ARCH 2017

eMbARCH2017 is the most important event in the School's calendar, bringing together students, practitioners and academic staff. It provides an opportunity for the Brisbane architectural community to review the work of our graduates in an atmosphere of celebration.

In 2017, the 2nd stage pf M3Architecture's renovations to the Zelman Cowen Building have given us a new entry and terraces to the east. We are excited to show these off. Using our own exhibition spaces gives us more room for both display and celebrations, including live music, DJs, food offerings, and refreshments, plus an exhibition across three levels of the building.

Head of School, UQ Architecture

**school of
architecture**

e_M b_ ARCH 2017

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Director, Cox Architecture

COX

e_M b_ ARCH1201 - PLAN & SECTION

STUDIO COORDINATOR
Leonie Matthews

This course explored the significance of the plan and section as key tools for architectural design through an iterative process of physical and digital modelling, diagramming and orthographic drawing. The capacity of sectional and planar strategies to determine formal and spatial solutions is tested along with programmatic and experiential aims.

Through the semester students undertook three discreet yet interrelated projects:

Project 1 SUCE – Using iterative processes of physical modeling and hand and digital drawing this project studied sectional typologies as a means of developing sectional ideas for a series of rooms.

Project 2 SHOPFRONT/HOUSEFRONT – A part section from Project 1 was used as a conceptual starting point for the design of a two-storey shopfront/housefront as an "inhabited wall" using a set method of modeling and drawing.

Project 3 SHOPHOUSE – In the final project students designed a shophouse for a selected maker/retailer. The shophouse was designed as a small urban intervention, inserted in to Overalls Lane in Fortitude Valley.

STUDIO ASSISTANTS
Therese Allage
Aparna Datta
Murray Dwyer
Lisa Moore
Oliver Shearer
Nicholas Spropper
Ben Smith
Sarah Watts

e_M b_ ARCH3200 - TECTONICS & PRECISION city | campus edges

STUDIO COORDINATOR
Doug Neale

The Third Year Studio have been invited by URBIS and UQ's Properties and Facilities to examine the urban condition of the eastern reach of the campus edge from the Rowing Club around to Women's college. The focus was on implementing a range of projects that expand UQ's commitment to fostering community engagement on campus beyond that of its academic remit.

Semester's work comprised two tasks.

'points and lines': The studio began with a series of experimental and exploratory exercises intended to build a repertoire for form making and to establish a broader understanding of the scale of the campus as an urban construct. Through these exercises, students developed designs for follies, drawing out and abstracting the tectonic language of the campus and selected precedents, and framing a new portal to the campus.

'river building': Students developed options for a design project from a new UQ rowing facility a multi-purpose public reception and conference centre a new gymnasium public outdoor performance facility and auditorium to seat 400 patrons.

e_M b_ ARCH2200 - HISTORY & MEMORY

STUDIO COORDINATOR
Prof Sandra Kaji-O'Grady

ARCH2200 had as its primary concern, the consideration of history and memory in design. In this year's iteration, biological evolution will be used as a model of transformation from one form to another over time. Mechanisms of evolution will be employed to create novel forms using historic precedents. Assessments Two and Three, required the design of structures for a new zoological garden for Brisbane and the successful communication of that design using a range of media. The semester culminated in the making of an animated gif based on sections of the proposal.

Three short exercise in the formal manipulation of post-1950 architect-designed houses of formal distinction and the generation of new forms. Carried out through 'breeding' six children from two precedents. Concept Design for a 'twinned' structure for facilitating animal encounters at a new zoo sited in Pinjarra Hills. Design development and communication of the building's performance through an animated presentation in the form of a gif.

STUDIO ASSISTANTS
Ms. Aparna Datta
Dr. Muge Fialho Leandro Alves Teixeira
Mr. Jonathan Kujala
Annelie Loffus
Mr. Oliver Shearer
Miss Yolande Vander
Ms. Shweta Zhang

e_M b_ ARCH7001 - ARCHITECTURE & COMMERCE BVN in collaboration with

STUDIO LEADER
Lisa Moore, UQ

STUDIO TUTORS
Jared Bird, BVN
Brian Wong, BVN

ARCH7001 examined the relationship between the forms of cities and the financial systems that produce them by asking participants to a design tall commercial building for a Brisbane CBD site. This studio was an opportunity to reimagine how architects and architecture can create office environments in cities that provide dignified and enriching spaces for users, the public, and the natural environment, while engaging critically with the funding models required to finance such large-scale projects.

Students explored the qualitative language of financial speculation and architecture's role in commercial development and global consumer culture, as well as the theoretical consideration of architecture's relationship to commerce. In parallel, students considered development triggers, legislative frameworks and other realities of 'commercial' construction processes and building procurement. The students' design proposals critically balanced the expectations of commercial development against broader societal needs for sustainable and accessible cities.

Classes were generously hosted at BVN's Brisbane Office allowing students to experience a dynamic architectural 'studio' environment in a city context. Seminars by BVN staff and associates, as well as city walking tours, site tours and design presentations, informed and advanced the students' research and design initiatives.

CONTRIBUTORS
Ben Miles, Studio Director, BVN
Brian Coleman, Principal, BVN
Kylie Newman, Senior Practice Director, BVN
Toby Lewis, Managing Director, Managing Properties
Ben Lyons, Strategic Development Manager And Principal, Cardno
Paul Viner, Senior Practice Director, BVN
Damen Eckerlemy, Practice Director, BVN
Kevin Murphy, Senior Practice Director - Operations, BVN
Michelle Reilly, Architectural Graduate, BVN
Yolande Vander, Graduate Student

e_M b_ ARCH7002 - INSTITUTIONS & IDEOLOGY

Architectures that bridge:
hybrid institutions

STUDIO LEADER
Elizabeth Musgrave

STUDIO ASSISTANT
Elliot Harvie

Levering the 44th Nishin Kyogyo Architectural Design Competition 2017 sponsored by the Japanese architecture journal Shinkenchiku and titled "Bridging – Architecture that Bridges," ARCH7002 work extended previous investigations into educational paradigms and archetypes. It considered the metaphysical dimensions of 'bridge' as a 'building' that 'visualises' and 'gathers' the programmatic, material and/or cultural and that by connecting opposing or unconnected entities, brings into existence a previously unrealised whole.

Investigation focused on Fortitude Valley, the location of one of the two new schools planned by the Queensland State Government, the first new schools to be built in inner city Brisbane since 1963.

STUDIO GUESTS
Murali Banerji
David Jansz
Lisa Bryant
Rebecca Murphy
Andrew Campbell

e_M b_ ARCH7004 - DWELLING & DENSITY

Beyond Nightingale

STUDIO LEADER
Doug Neale

STUDIO ASSISTANT
Mark Hiley

The 2017 semester 2 Dwelling and Density Studio took, as its departure, the development framework for implementing housing known as the 'Nightingale Model', established by the Melbourne-based architect Jeremy Moleod of Breathe Architecture. Students examined the potential of a sequence of 'brown-field' sites along a transport infrastructure corridor of Brisbane's northern edge between Banyo and Nudgee rail stations.

Preliminary exercises draw together research in housing typologies and precedents; identification of architectural concepts and strategies; economic modelling testing plot ratio, site cover and density yields that critique market-driven prescriptions.

Students developed projects from this research based on density targets of 300-350 dwellings per hectare. Project work developed from this aligned itself with the five main tenets of the Nightingale Model:

Affordability | Transparency | Sustainability | Deliberative Design | Community Contribution

CONTRIBUTORS
Dr Greg Benford
Graduate Clary
Dr James Davidson
Leonie Matthews
Blair Wilson

e_M b_ ARCH7003 - ADAPTIVE CAPACITIES Pas de Deux

STUDIO LEADER
Pedro Guedes

STUDIO ASSISTANT
Alejandro Cohn

SCENARIO
Queensland Ballet has risen to international prominence since Li Cunxin became Artistic Director in 2012. Its current home in Brisbane's West End is a redbrick building dating from the early 20 century, originally built as a shoe factory. The structure had undergone several ad-hoc additions and adaptations and is ready for a major overhaul in recognition of its important cultural role. A benefactor has acquired and donated four adjacent properties to the BattiCamp together with a substantial financial legacy aimed at consolidation of cultural activities on this site.

OUR PROJECT
We honoured the heritage-listed building along Montague Road while creating a forward-looking precinct with modest yet assertive additional building that acknowledged and respected the scale of the old factory and nearby domestic grain. We were concerned with the ways in which the new complements that already exists without abandoning integrity and contemporary infill. We were preoccupied with detail, intensity, the tactile and ambitions surpassing the mere stuff of problems. By working at a relatively small scale the challenge was to explore the stuff of architecture beyond sweeping gestural one-liners.

e_M b_ ARCH7015 - GENERATIVE STRUCTURES

STUDIO LEADER
Kim Babier

LAB MANAGERS
Mr Sam Butler
Mr John Stafford

In ARCH7015 Semester 2 2017, Students investigated typologies of lightweight timber structures inserted into urban settings that are spatially opportunistic, pragmatic and constructed of local resources. The structures are intended to provide critical elements of public infrastructure and light industry in a city under threat of imminently rising sea levels.

The studio involved two modes of enquiry in relation to novel structure systems and assembly techniques: the design and construction of a 1:1 timber prototype of a temporary piece of elevated public realm, being a raised open bridge, walkway or canopy; and a design proposition for a permanent light industrial building providing critical public services in the form of a motorbike or vehicle engineering workshop.

The studio involved workshop periods of 1:1 fabrication in timber, undertaken in teams in collaboration with students and staff from the UQ School of Civil Engineering.

CONTRIBUTORS
Dr Greg Benford
Graduate Clary
Dr James Davidson
Leonie Matthews
Blair Wilson

e_M b_ ARCH7008 - MATERIAL EXPERIMENTS Symbiotic Structures

STUDIO LEADER
Fred Fialho Leandro
Alves Teixeira

STUDIO ADVISOR
Mr John de Manincor

In semester 2 2017, ARCH7008 explored ideas around 3D Printing, structural patterns to be applied in the prototypical design of an ephemeral structure. The studio worked through these ideas by engaging with the technology, materials and design techniques that will come together into the design and construction of a small ephemeral structure located in Los Angeles.

This studio had a strong teamwork ethic necessary to develop a broad range of ideas that resulted in multiple proposals suitable for construction. The studio presented a unique challenge for participants to conceptualise ideas in built form, subject to a higher degree of computational and fabrication design strategies. These were materialised by proposing 3D printed design systems for the assemblage of 1:10 prototypes. The studio benefited by a field trip to Los Angeles and San Francisco on 10-20 August 2017.

e_M b_ ARCH7005 - LANDSCAPES & ARCHITECTURE The Place of Memory and Memory of Place : Re-imagining Terrain and Landscape in Chandigarh

STUDIO LEADER
Manu P. Soti

Within the purview of design scholarship, Le Corbusier's unparalleled tabula rasa at Chandigarh - India (built 1951-66) represents the grand culmination of the ideals of the CIAM alongside the City Beautiful Movement. Chandigarh's visceral urbanity, spatial and formal ordering, and the self-consciously 'unresolved' connection with the Himalayan foothills, remain among the most provocative qualities of the city.

In highlighting the palimpsests of site, context, topography and genus loci, this design studio re-visits Corbusier's formal syntax of tectonic elements specific to Chandigarh's urbanity, engaging especially with the soft landscape 'edges' specific to the making of this 'aspirational' and transforming urban centre. It elaborates upon the 'hybrid' architectural vocabulary that Corbusier had visualised in some detail but was unable to realise, while experimenting with interconnections of earth forms and architecture, and employing strategies of rhizomatic interconnections and mutualism.

Enrolled students produce a collective series of readings that examine sital features before moving into individual mapping and design strategies. The focused climax of the studio speculates on the nature of unbuilt components within and beyond Chandigarh's Capitol Complex, especially the so-called Governor's Palace - while re-imagining site and intended connections to the Himalayan foothills. Beginning from speculative discourses emerging from Corbusier's sketchbooks, we re-engage with topical and specific discussions on place, culture, heritage and urban sustainability towards the project of a Terra Archive.

e_M b_ ARCH7016 - RESPONSIVE ENVIRONMENTS METALab 2017

STUDIO LEADER
Paola Leardini

STUDIO ASSISTANTS
Mr Tomas Brage Varela
Mr Mark Thomson

A sustainable and resilient future for a city based on one or more (interconnected) Urban Metabolisms is not the result of a single explorative journey but involves the continuous ability to innovate and maintain the capacity for adaptive governance processes to both 'hard' and 'soft' urban disturbances, and to do so by a continuous change of its urban fractals and within these, its smaller components.
— VanTimmeren

The METALAB design studio explored the future of Brisbane's medium to high-density built environment, with a strong focus on environmental and social sustainability of responsive spaces and artefacts. The design investigation stemmed from the concept of Urban Metabolism, which, looked at the city as a living organism, allows understanding and modelling multiple flows – water, energy, food, and people, as well as information - of urban complex systems and their parts. It interrogated the evolving concept of responsive architecture at different spatial and semantic scales: from the macro scale of the "urban fractal" (Downtown, 2009), "integrated neighbourhood" (Register, 2006) and "pocket neighbourhood" (Chaplin, 2011), to the micro scale of augmented spaces within buildings.

The first explorative part of the design studio, lead to the definition of individual "pocket neighbourhoods" (clusters of dwellings gathered around a commons) within the Norman Creek catchment, will include critical reading, background research, site analysis, technology documentation and data gathering. Thematic workshops with experts and local community helped students conceive and design their fractal metabolic systems for circular management of resources.

The final design unpacked the spatial quality of the commons as a social catalyst and shape the proposal for an interpretive centre, where environmental data from the sustainable urban fractal is processed and displayed through responsive or augmented environments.

UQ's School of Architecture is part of an ongoing investigation on water resilience in Brisbane City. Through this studio and allied events within the Cooperative Research Centre for Water Sensitive Cities, students participated in design-led research generating spatial propositions of electronic public space and resilient architecture, critically evaluating their social and environmental viability and validity in future high-density urban areas.