

## ARCHDES 301 | DESIGN 6 | TOPIC OUTLINE | SEM 2 2019

Design 6 **The Integrated**: The culmination of all aspects - conceptual, formal, material, tectonic, **environmental**, structural - of architectural design within the context of a larger network of infrastructural services. Also requires an understanding of the full range of drawings describing the workings of the building as both an active 'machine' and place for human comfort.

The culminating design course of the Bachelor of Architectural Studies in which students are expected to demonstrate appropriate knowledge and skill in the preparation of a resolved design proposal, in response to a challenging project topic. Design proposals are required to address issues of theory, architectonics (material, structures, construction), programme (cultural, social, functional), performance (contextual, environmental) and the formative influences of these factors on space and form through the skilful, considered use of architectural media.

**CRAIG MOLLER**

**FABRIC\_INFILL**



Louis Vuitton Portmanteau c1937

## GENERAL COURSE INFORMATION

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<b>Course :</b>	Design 6 ARCHDES301
<b>Points Value:</b>	30 points
<b>Course Director:</b>	Andrew Douglas andrew.douglas@auckland.ac.nz
<b>Course Co-ordinator:</b>	Alessandro Premier alessandro.premier@auckland.ac.nz
<b>Studio Teacher:</b>	Craig Moller
<b>Contact:</b>	craig@mollerarchitects.com
<b>Location:</b>	TBC
<b>Hours:</b>	Monday and Thursday 1:00-5:00pm

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**For all further general course information see the ARCHDES301 COURSE OUTLINE in the FILES folder on CANVAS.**

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## FABRIC\_INFILL

### INTRODUCTION

The idea of the studio is to develop the notion of an architecture of FABRIC, that is an infill building that forms part of the city and acts a backdrop to the public life in the urban realm. To access this idea the studio will examine the HYBRID building thorough a notion of the PORTMANTEAU.

PORTMANTEAU is a concept in which two words are combined to form a new meaning. An example is CYBERPUNK from William Gibson novel Neuromancer.

### CONTEXT

72 Gloucester Street, Christchurch

### CONTENTS\_IS A HYBRID

The program will evolve in the studio from an investigation of the PORTMANTEAU. From there the studio will progress and each student will develop their own architectural brief based on a ground floor retail activity and a combination of two distinct apartment activities above. This in turn will be combined with the adjoining neighbour to form a hybrid entry space.

### **CONCEPT\_ARCHITECTURAL LANGUAGE IS A HYBRID**

The development of an architecture and a language that represents the PORTMANTEAU through process of dual authorship will produce an outcome that is unexpected from the start.

### **CONCEPT\_MATERIALITY IS A HYBRID**

Each student will concentrate on ONE material and no program to start with. In developing the Infill housing in conjunction with your partner will unlock the hybrid nature of materials as they come together.

### **CONCEPT\_PROCESS IS A PORTMANTEAU**

The conceptual idea for the architectural project will be to develop through the process of starting at the small-scale detail investigation and working outwards in scale towards the building and its location in the urban fabric of the city. The process outlined below.

### **PORTMANTEAU: 1 WEEK**

The studio will start with an examination of the idea of the travelling suitcase or trunk that temporarily contains a person's possessions and memories within. That is a PORTMANTEAU.

INITIAL EXERCISE: Design your own portmanteau based on a Louis Vuitton piece of luggage. Model your own idea of a PORTMANTEAU as a travelling suitcase.

### **MATERIALITY: 2 WEEKS**

#### **CONCEPT\_MATERIALITY**

Select ONE material and examine the properties and possibilities of the one material in its ability to construct space and form. Examine what is possible in terms of light texture and openings within that one material.

START with a detail from DETAIL magazine and investigate the idea of the detail constructed from one material apart from glass and frame. Develop from the detail to construct a wall and BUILD UP from there to consider the relationship of the WINDOW to a chair and desk. A place to study.

### **ROOM: 3 WEEKS**

DESIGN a one ROOM building based on the notions developed in the studies of MATERIALITY and PORTMENTEAU. Does the one room

building develop a notion of space or a room. A programmatic brief will be issued.

The three exercises above will be presented and discussed at the Mid Semester Crit.

THEN it becomes a shared venture and a HYBRID between two students.

### **FABRIC BUILDING: 6 WEEKS**

Each student will develop an architectural brief for the FABRIC-INFILL building. The building will have as a minimum, a ground floor retail activity then a combination of two distinct apartment activities above. Each student will design their own building and work in conjunction with their partner to design the shared space. The character and program is to be defined by the students

### **TOPIC STRUCTURE AND CONTENT**

#### **CHRISTCHURCH VISIT:**

There is a planned site visit to Christchurch at the beginning of the second half of the semester. To least disrupt the studio, it is suggested at the end of the mid semester break before the semester resumes on the 16.09.

#### **GROUP WORK:**

There will be some group work (working in pairs) in the development of the FABRIC building in the second half of the semester as noted above. This will involve a collaboration in the design and development of a shared entry and circulation space between your respective FABRIC projects.

<b>Week</b>	<b>Date</b>	<b>Event</b>
Week 1	Mon 22.7	12:00 All architecture meeting, rm 311
	Thu 25.7	2:15 Design 6 staff presentations and studio ballot Design 6 Studio classes commence Idea of the Portmanteau introduce
Week 2	Mon 29.7	<b>Week One Crit:</b> Portmanteau
	Thu 1.8	Idea of Materiality/Desk/Chair
Week 3	Mon 5.8	Initial Ideas Discussion: Materiality/Desk/Chair
	Thu 8.8	Further Discussion: Materiality/Desk/Chair
Week 4	Mon 12.8	<b>Week Three Crit:</b> Materiality/Desk/Chair/Window
	Thu 15.8	Idea of the Room

Week 5	Mon 19.8 Thu 22.8	Initial Idea Discussion: Idea of the Room Further Discussion: Idea of the Room
Week 6	Mon 26.8 Thu 29.8	Finalise Ideas Discussion: Room <b>Week Six Crit:</b> Idea of the Room Design 6 Mid-semester crits
MID-SEMESTER BREAK Site Visit Christchurch		
Week 7	Tue 16.9  Thu 19.9	Mid Semester Feedback: UDAM Concept of Fabric Initial Development of Fabric
Week 8	Mon 23.9 Thu 26.9	Develop Ideas: Fabric D6 full group cross-crit
Week 9	Mon 30.9 Thu 3.10	<b>Week Nine Crit:</b> Ideas of FABRIC presented Develop Detailed Ideas: FABRIC
Week 10	Mon 7.10 Thu 10.10	Develop Detailed Ideas: Materiality and Structure Review Detailed Ideas
Week 11	Mon 14.10 Thu 17.10	Develop Presentation Ideas: FABRIC Develop Presentation Ideas: FABRIC
Week 12	Mon 21.10 TUES 22.10	Pin Up: 5-6pm, Mon, 21 Oct <b>Week Twelve Crit:</b> Fabric Room/Materiality/Portmanteau Final Crit: 9am, Tues, 22 Oct

## RESOURCES

### BOOKS\_THEORY

The Architecture of Community: Leon Krier: Island Press 2009  
S, M, L, XL: Rem Koolhaas: The Monacelli Press 1997

### BOOKS\_STRUCTURE

Informal: Cecil Balmond: Prestel 2007  
Element: Cecil Balmond: Prestel 2007

### BOOKS\_LANDSCAPE

The Public Chance: Aurora Fernandez Per: a+t Publishers 2008

### BOOKS\_PROCESS

The Function of Style: Farshid Moussavi: Actar 2015  
The Function of Ornament: Farshid Moussavi: Actar 2008  
The Function of Form: Farshid Moussavi: Actar 2009

### BOOKS\_DESIGN

Dieter Rams: As Little Design as Possible: Sophie Lovell: Phaidon 2011  
Vignelli Canon: Massimo Vignelli: Lars Muller 2012

## BOOKS\_ADDITIONAL READING

Carlo Scarpa: Robert McCarter: Phaidon Press 2013

Neuromancer: William Gibson: Ace Books: 1984

### REQUIRED PRODUCTION

<b>29/08</b>	<b>Mid Semester Crit</b>	
Portmanteau	Model	1:5
	Plans/Elevation	1:5
Materiality	Detail Drawing	1:2
	Examples	NTS
Chair & Desk	Model	1:10
	Plan & Elevation	1:10
	3D Images	NTS
Room	Model	1:50
	Plan/Section/Elevation	1:20
	3D Images	NTS
	Book	Any Format
<b>22/10</b>	<b>Final Crit</b>	
Fabric Building	Model	1:50
	Plan/Section/Elevation	1:50
	3D Images	NTS
	3D Diagrams	1:200
	Book	Any Format
Portmanteau	As noted above	1:5
Materiality	As noted above	1:2
Room	As noted above	1:50

### CRIT PRESENTATION NOTES

#### MODEL

The model presents the exterior form and elevation of your project and you should be able to view the complexity of the interior spaces with the sectional cut through the model. The sectional cut can be the removal of one of the exterior walls. Model can be any material or medium as you best see fit.

## **PLANS**

Black and white plans to 1:50. As an example

<http://www.cpinos.com/index.php?op=1&ap=1&id=22>

<https://www.archdaily.com/>

<https://www.archdaily.com/search/projects/categories/residential-architecture>

[https://www.archdaily.com/search/projects/categories/museums-and-exhibit?ad\\_name=flyout&ad\\_medium=categories](https://www.archdaily.com/search/projects/categories/museums-and-exhibit?ad_name=flyout&ad_medium=categories)

## **SECTIONS**

To be in Sectional Perspective format, refer to Atelier Bow Wow as an example

<https://www.archdaily.com/5918/house-atelier-atelier-bow-wow>

<https://www.pinterest.nz/foxoriondesign/section-perspective/?autologin=true>

[https://www.google.co.nz/search?biw=1920&bih=1069&tbm=isch&sa=1&ei=H-LgWoM1h\\_7yBfj\\_i9AK&q=cross+section+perspective+paul+rudolph&oq=cross+action+perspective+paul+rudolph&gs\\_l=psy-ab.3...4263.10098.0.10255.17.15.2.0.0.0.204.2217.0j11j1.12.0...0...1c.1.64.psy-ab..3.1.195...0i30k1.0.xQLKkcinYrM](https://www.google.co.nz/search?biw=1920&bih=1069&tbm=isch&sa=1&ei=H-LgWoM1h_7yBfj_i9AK&q=cross+section+perspective+paul+rudolph&oq=cross+action+perspective+paul+rudolph&gs_l=psy-ab.3...4263.10098.0.10255.17.15.2.0.0.0.204.2217.0j11j1.12.0...0...1c.1.64.psy-ab..3.1.195...0i30k1.0.xQLKkcinYrM)

## **3D IMAGES PERSPECTIVE**

The project is to have a series of renders or images to describe the interior atmosphere and experience of the project to show what the model and plans do not show.

## **3D DIAGRAM**

Axonometric diagrams of the key elements of your project to show and demonstrate structure, enclosure, vertical and horizontal circulation, context, ideas and architectural response.

## **BOOK**

Nominal size equivalent to A5, any format book to collate and present the process throughout the semester, ideas left behind, images not included in the final presentation and any other material you best see fits.

## **FORMAT**

You have one vertical panel, equivalent to approx. 3 x A1 sheets to display your project as well as the models and book. No other format for the drawings and presentation material. Consider that the panels need to be legible from the seated critic position as well as offering intrigue and invite closer inspection. Consider how the models are presented and displayed. All work from the mid semester crit to be displayed at the final crit

## **ASSESSMENT & FEEDBACK**

This course is assessed as 100% coursework. Conversational feedback is given throughout the semester. Written feedback, with indicative grading, is given at a date around the mid-point of the semester. All

further information regarding assessment is available in the ARCHDES 301 Design 6 Course Outline (on Canvas).

## LEARNING OUTCOMES

**General Course Outcomes** (in black) and **Specific Topic Outcomes** (the ways this studio topic will engage the general course outcomes) in red:

- Theory: Show evidence of engagement with selected / prescribed areas of architectural theory and knowledge. Further, to show evidence of the exploration of the possible influence of this upon the development of architectural propositions.
- **Theory: Demonstrate of engagement with the idea of the FABRIC\_INFILL and how it has influenced the idea of your architectural outcome and proposition.**
- Architectonics: Demonstrate abilities to project, explore and develop the tectonic characteristics of the project through the creative engagement with material, structural or constructional propositions.
- **Architectonics: Demonstrate your ability to develop the tectonic characteristic of your project through the making and presentation of the idea of FABRIC\_INFILL from the large scale to the small scale and the ONE material detailed at the scale of the window frame.**
- Programme: Show evidence of engagement with identified cultural, social and functional positions as they might inform speculative architectural propositions.
- **Programme: Demonstrate how the HYBRID programmatic elements have informed the architectural proposition put forward in the final presentation.**
- Performance: Show abilities to advance conceptual thinking through engagement with environmental and contextual conditions that could bear upon the project, and to examine the way in which the architecture may affect those same conditions in return.



- **Performance:** Show and demonstrate how you have worked with your collaborative neighbour and in turn how your neighbour has worked with you to develop and inform your architectural proposition in the space between.
- **Form and space:** Demonstrate abilities to develop speculative three-dimensional architectural form and space.
- **Form and space:** Demonstrate your ability to develop three-dimensional architectural form and space, both exterior and interior within the tight constraints provided.
- **Media:** Display skill in the communication and development of design propositions through the considered use of architectural media.
- **Media:** Demonstrate how the focus on the design tools and presentation requirements has influenced your notion of the architectural outcome of your project and how the constraints of the media has influenced the outcome.