COURSE OUTLINE: DESIGN 6, SEMESTER 2, 2013

Course Title: Design 6
Course Code: ARCHDES301
Course Co-ordinator: Mike Davis, m.davis@auckland.ac.nz
Timetable: Monday, Tuesday & Friday, 1pm – 5pm
Staff: lloyd hartley architects

FABRICATED PLACE

SHoP - CAMERA OBSCURA – Greenport, New York
http://www.shoparc.com/sites/default/files/projects/%5Btitle%5D/04_11.jpg
2.0 Topic Description

PROJECT VEHICLE:
Auckland Airport wish to fabricate place to augment ‘The District’ and operate as a nucleus of collaborative work space within The Quad Precinct.

Auckland Airport has a 20 year vision for the Quad Precinct. However, they wish to build community and provide extraordinary collaborative work amenity in the medium term. The brief of this project is to explore and present strategies both at an urban design scale and a particular scale for how Auckland Airport can develop The Quad Precinct in the medium term.

This is a live project with a real client and has real intentions for a built outcome.

DESIGN INTENTIONS:
Fabricated Place studio explores the role of architecture in catalysing meaningful exchanges and the formation of community through shared experiences. The studio will also analyse and extrapolate through design action the possibilities inherent in offsite construction.

The design agenda is:
fabricated landscape + fabricated shelter = fabricated place

DESIGN METHODOLOGY & DESIGN FABRICATIONS:
Fabrications [stories and elegant lies]
Through active research, drawing, modelling and writing, the stories of the site and context will be represented, reviewed and opportunities for nodes of congregation and the interstices that link them will be offered. Through a distillation of the environment’s context, a site strategy will be formed.

Fabrications [off site systems of manufacture]
The studio group will undertake a series of site visits to a number of fabricators. These visits paired with further research and an extrapolative design process will result in at least two fabrication strategies being explored in terms of qualities for fabricating landscape and shelter to produce elegant systems of construction.

Details are strategies for how materials, forms and stories meet – these fabrications will be worked – collusions and corroborations made and presented until the jury has no choice but to believe you…
3.0 COURSE AIMS

3.1 General ARCHDES301 Course Aims

Prescription from the University Calendar: The Systemic: The culmination of all aspects - conceptual, formal, material, tectonic, 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.

Design 6 is 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 skillful, considered use of architectural media.

4.0 LEARNING OUTCOMES

4.1 General ARCHDES301 Course Outcomes

Upon completion of this integrated design project students should be able to:

- Theory: Show evidence of engagement with relevant areas of architectural theory and knowledge, and show evidence of the exploration of the possible influence of this upon the development of architectural propositions.
- Architectonics: Demonstrate abilities to develop the tectonic characteristics of the project through the making and presentation of key material, structural and constructional propositions.
- Programme: Show evidence of engagement with relevant cultural, social and functional positions, either as they might inform the architectural proposition or as they may be inherent in a given programme.
- Performance: Show abilities to advance conceptual thinking through engagement with those surrounding conditions that could bear upon the project, and to examine the way in which architecture may affect the context in which it occurs.
- Form and space: Demonstrate abilities to develop three dimensional architectural form and space, both exterior and interior.
- Media: Display skill in the communication and development of design propositions through the considered use of architectural media.

4.2 Specific Course Outcomes

This studio topic will engage with the general course outcomes in the following ways:

- Theory: Students will engage in the space & place of storytelling.
- Architectonics: Students will extrapolate through design action the possibilities inherent in offsite construction. Detail will be explored through design strategies for how materials, forms and stories meet.
- Programme: Students will explore and present potential programmes that are catalysts for the exchange of information and promotion of shared experiences.
- Performance: Students will engage in The Quad’s existing situation and long term proposal as context for a medium term solution to provide place and the building of community in The District.
• Form and space: In the manipulation of storytelling and fabrication techniques the built proposal will demonstrate the student’s ability to configure and arrange a composition that reflects the aspirational quality of eloquent and beautiful architecture.

• Media: Students are expected to engage in various techniques of design development and presentation. Emphasis will be placed on the output of beautiful vector fabrication files and the junctions of fabrications. These will be augmented by ‘analytique’ drawing techniques, exploded axonometrics and physical modeling.

5.0 TEACHING AND LEARNING METHODS

5.1 Teaching Schedule

Week 1
BIM boot camp - Tuesday 23rd + Wednesday 24th of July
Friday (26-07-2013)
Studio proper begins
• meet with design tutors  design topic review
• ‘powers of ten’ and ‘near … far’ viewing
• introduction of design review exercise - The Band Rotunda - the anti-precedent - *Victorian model of place making* – group work

Week 2
Monday (29-07-2013)
• group discussion / workshop regarding site exploration strategies in anticipation of site visit
• consultation on ‘design review exercise’

Tuesday (30-07-2013)
• **SITE VISIT** – *The District* – Auckland Airport

Friday (02-08-2013)
• **Crit** – The Band Rotunda - the anti-precedent - *Victorian model of place making*
• introduction of fabrication report - group work

Week 3
Development of site fabrications and fabrication factory visits. Factory visits dates and times to be confirmed.
Development of site fabrications – individual work.

Week 4
Development of site fabrications and fabrication factory visits. Factory visits dates and times to be confirmed.
Development of site fabrications – individual work.

Friday (16-08-2013)
• **Crit – the elevator pitch** (L1 to L6 and back again) – Site fabrications [stories].

Week 5
Fabrication factory visits. Factory visits dates and times to be confirmed.
Development of site fabrications – individual work.

Friday (23-08-2013)
• **Group presentation and information sharing** – fabrication technologies
Week 6

• Mid-semester Crit – *presentation of three fabrications | site + declaration of the 2x fabrication strategy intentions*

MID SEMESTER BREAK

Week 7

**Making | fabrication** → **design**

[feed back loop]

Week 8

**Making | fabrication** → **design**

Week 9

**Making | fabrication** → **design**

+ Presentation to Auckland Airport

Friday (04-10-2013)

• Crit – *site + integrated tectonic fabrications* presented to Auckland Airport representatives

Week 10

presentation and design massage

Week 11

presentation and design massage + 'go faster stripes' individual consultation

Week 12

End of semester Crit – present | FABRICATED PLACE

Crit week Submission Tues 22 October 4:00pm

CRITIQUE: Wednesday 23 October 10:00am

Celebrations – exhibition of selected work at Auckland Airport | The District

(date to be confirmed)

5.2 Consultation and Discussion

All students are to attend a round-table discussion each Monday at 1pm.

There will also be scheduled field trips to sites of fabrication where attendance is mandatory.

Beyond the above all consultation and discussions will take place in timetabled studio contact time – Mondays 1-5pm, Tuesdays 1-5pm and Fridays 1-5pm. Appointment sheets will be pinned up to facilitate this process.

Attendance and participation in studio is mandatory.

Should any issues that are inappropriate to discuss in studio arise please make an appointment via email to ben@lloydhartley.com or mike@lloydhartley.com

6.0 ASSESSMENT

6.1 Specific method of assessment

100% coursework.

6.2 General method of assessment

All student work is assessed by the named staff member(s) offering each course topic, who are appointed as examiners. Provisional grades are confirmed at an examiners’ review of the work of all students in that particular design course, in order to ensure parity.
of grading standards across course topics. All marks are indicative until confirmed in the Design Grading Moderation Review. All work presented for Design 6 is also reviewed by external assessors.

6.3 Assessment Criteria for ARCHDES301
In addition to the criteria set out in the School handbook, assessment will be based on the following:

- Theory: Quality of engagement with relevant areas of architectural theory and knowledge and the consideration of its bearing upon the design process.
- Architectonics: Extent of design development through the creative engagement with issues of materiality, structure and construction.
- Programme: Quality of engagement with relevant cultural, social and functional positions and the consideration of their bearing upon the design project.
- Performance: Quality of engagement with immediate and broader contexts, with site and environmental issues through the integration of strategies within the project that address these concerns. Demonstrated level of understanding of the impacts of the project in respect of these same concerns.
- Form and Space: Quality of engagement with and development of three dimensional architectural form and space, both exterior and interior.
- Media: Quality and clarity of presentation, the extent of development facilitated by, and the consideration given to the architectural media utilised.
- Quality of engagement in studio – singularly, in group discussions and in formal crits. Attendance in studio and for the duration of crit days is mandatory – students are expected to support and learn from their colleagues.

Specific topics will weigh the factors presented above according their identified emphases. The grading of work is based on the NICAI Grade Descriptors printed in the School Handbook.

6.4 Output Requirements
- presentation of design review exercise - The Band Rotunda - the anti-precedent - Victorian model of place making - groups of up to three students will research and present a particular Auckland Band rotunda and it's contextual setting.
- presentation of fabrication strategies - groups of up to three students will research specific fabrication strategies and present in a manner that provides a collaborative resource for the whole group. Format – TBC.

Each student will make and present a design proposal for FABRICATED PLACE - beautiful fabrications to demonstrate the proposal in its best light.

- models minimum of 6, of various scales and techniques exploring and presenting the fabricated landscape and shelter strategies.
- drawings ‘analytique’, exploded axonometrics and vector fabrication files being our favoured representations
- text stories
- blog personal web-log output of design research and development throughout the semester

- design report All Design 6 students are required to furnish a Design Report. In 2013 this will take the form of a 350-500 word abstract. An abstract is a condensed piece of writing that highlights the major aspects of your design project: the content, context, scope and outcomes of the design research. The abstract should be a finely crafted piece of text accompanied by a single image of your project. A template will be given and all abstracts must be submitted in the template both in print (as a single stand alone page at your studio presentation) and in digital format (venue TBC). All Design reports are due on Tuesday 22nd October at
4:00pm along with your design submission.

Later in the semester a workshop on abstract writing will be available for all Design 6 students. Attendance at this session is required. Further information will be given via email. To prepare for his workshop you MUST audio record your mid-semester crit in Week 6, (Tuesday 27 August).

7.0 LEARNING RESOURCES

7.1 Reading List
The following is a selection of things we are finding interesting… We hope you will find something to fuel your design curiosity and we expect you to bring your own readings, links, video and research to the table.

Books and periodicals: (on desk copy)
Contemporary public space : un-volumetric architecture [edited by] Aldo Aymonino + Valerio Paolo Mosco – 2006 (see forward by Denise Scott Brown and other articles)

AD ARCHITECTURAL DESIGN – Design Through Making [edited by] Bob Shell

Building in the Future : recasting labor in architecture [edited by] Peggy Deamer + Philip Bernstein

Points + lines : diagrams and projects for the city Stan Allen

The Architecture of Variation [edited by] Lars Spuybroek

AD ARCHITECTURAL DESIGN – System City: Infrastructure and the spaces of flows [edited by] Michael Weinstock (yet to be published – lloyd hartley architects have a copy on order)

Websites:
http://www.aucklandairport.co.nz/Property/About-the-District.aspx
http://www.assembly.co.nz
http://bdgblog.blogspot.co.nz
http://www.shoparc.com
http://www.heatherwick.com
http://www.designtoproduction.com
http://theverymany.com

Web Articles:
http://banditfox.com/blog/innovation/creating-collaborative-environments/
http://articles.economictimes.indiatimes.com/2012-12-10/news/35726651_1_social-

Video:
http://www.powersof10.com/film
http://www.youtube.com/watch?v=iZhEcRtMA-M

Podcasts:
Design Matters 2013
RadioLab
TEDtalk video
Monocle

8.0 UNIVERSITY POLICIES AND GUIDELINES
This course is based on the University Policies and Guidelines further information is available:
- in the Studio and Design Guidelines
- in the Design 6 Guidelines
- in the School of Architecture and Planning Handbooks
- in The University of Auckland Calendar

9.0 PROGRAMME HANDBOOK
See the programme handbooks for information on the following:
University Libraries
Other Resources
Plagiarism
Referencing Methods

Students must note the following warning that applies to all material provided for this course. This includes printed material and electronic material, and material posted on CECIL. If you are not sure about the requirements ask for clarification from the course coordinator.

COPYRIGHT WARNING NOTICE
This material is protected by copyright and has been copied by and solely for the educational purposes of the University under licence. You may not sell, alter or further reproduce or distribute any part of this course pack/material to any other person. Where provided to you in electronic format, you may only print from it for your own private study and research. Failure to comply with the terms of this warning may expose you to legal action for copyright infringement and/or disciplinary action by the University.