

BA(HONS) INTERIOR AND SPATIAL DESIGN 2021-22. UNIT 4:

PROJECT BRIEF: SUSTAINABLE EXCHANGE — ENVIRONMENTAL AND SOCIAL CONVERSATIONS THROUGH DESIGN

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Hayatsu Architects, 2018. Surbiton Yatai. London

UNIT 4 OVERVIEW

Unit 4 is a nine-week, 40 credit unit.

This unit deals with the research, context, development, and resolution of a spatial design project in response to a live project brief. The Unit 4 design project will build on the skills and knowledge you developed in Unit 2 and 3. Through the brief, you will be asked to engage with a complex existing local site condition. In this unit you will undertake a thorough analysis of the site to define an individual line of enquiry, expanding on ideas and interests you have developed so far. There will be a focus on material and spatial organisation and how a planning strategy can be used to organise a sequence of spaces. Through the project you will be required to work ~~with~~ within a team and ~~through individual working~~ individually.

The project will be developed using a variety of media - drawings, constructed pieces and digital work. Materiality and space will be explored using orthographic drawing and an understanding of computer skills for design, presentation and communication will be explored.

In the final phase of the project, we will focus on architectural details through the development of 1:1 prototypes that demonstrate design intent, alongside orthographic drawings and diagrams. The project will conclude with a portfolio that displays rigorous investigation and evidence of a well-considered and thorough proposition.

Please read the Learning Materials that accompany this document. This may include project briefs, unit guidelines, a glossary of terms, additional reading lists or event and presentation information. This information will be published together on Moodle.

UNIT 4 BRIEF

Socially engaged practice describes art and design processes that are collaborative, often participatory and involves people as the medium or material of the work.

Description adapted from Tate Art Terms (Tate, 2022)

Speculative design is a design practice that is concerned with future design proposals of a critical nature. The aim is not to present commercially driven design proposals but to design proposals that identify and debate crucial issues that might arise in the future. (Dunn & Raby, 2013)

Sustainable Design is the approach to creating products and services that have considered the environmental social, and economic impact from the initial phase of design through to the end of life. (Acaroglu, 2020)

PROJECT BRIEF

In this brief we will be having conversations with new partners and creatively intervening into their cycle of production with the aim of making it more sustainable socially and environmentally. We will design and propose interventions that are open in scope and driven by your interest, curiosity and position (politically and personally) as a designer.

In unit 4 we will continue our year-long exploration of different types of design conversations with each other and with others. In unit 1, we looked at design negotiations within interior spaces to understand the complexities of shared

thresholds. In unit 2, we looked at conversations with our local communities through our mappings and our mobile exhibition which considered design as a collaborative process. In unit 3, we looked at conversations with the thoughts of others, by taking apart the world of Invisible Cities and deconstructing worlds to imagine new possibilities. In this unit we will think about design conversations to create exchange with others so that we think about the designer as a collaborator and the client as an active partner in the design process. By Exchange we mean a collaborative relationship where both parties are giving and receiving. **Our clients will be our partners in imagining sustainable possibilities for their everyday practices.**

We will explore ideas of circular thinking in design through proposing new activities and spaces at the scale of the body and the scale of the neighbourhood that consider the life cycle of materials, spaces and relationships. The design interventions will speculate on possibilities and approaches for making the partner's practice more environmentally and/or socially sustainable. ***We will ask: how can we do this in a more sustainable way?***

You will be divided into small groups and partnered with practitioners from different disciplines. You will work together to develop exchanges through conversation, making and sharing knowledge. Our partners all work in Copeland Park and Bussey Building, a community estate offering studios, workshops and exhibition spaces for a diverse community of creatives, including radio broadcasters, yoga facilitators, tailors, photographers, printmakers, musicians, architects, painters, and ceramic makers. This will be our neighbourhood where these conversations and exchanges will take place.

How would you like to intervene as a designer? Take your position and follow your passion.

In the second part of the project, you will continue the project individually. Your individual (larger) proposals can be practical, poetic, conceptual, playful, radical or realistic (one or all of the above). Speculate on how your intervention can start new conversations with tangible and intangible criteria such as: materials, the weather, community, the body, repair, function, durability, connectivity, community and others.

The project will be in 3 exchanges:

Gift Exchange:

Studies of the partner's space and practice (Group studies)

In small groups of 4 students, you will visit and study the creative practice of one partner, studying their space, their tools, their materials, and their cycle of production; you might also look at their rituals, habits and particularities. As experts in studying rituals, you will bring your knowledge from units 1 and 2 to their studios, using what you have learned to document the *body, object, space, thresholds relationships*. Remember the rituals can be formal – related to the design process (such as tools or materials needed) or informal – related to the personal characteristics of the partner such as their sense of humour or love for coffee or need for light.

You will produce a set of orthogonal drawings at different scales including 1:20 and 1:100/200, photographic studies, and diagrams to visually articulate your findings and studies. you will be in conversation with your partner about your gift exchange, it may be an action you will perform or an artefact you will make together or a favourite part of the work you produced about them.

Idea Exchange:

Sustainable intervention into their practice (Group 1:1 construction)

You will undertake an analysis of your partner's practice and cycle of production. Think through *how and where* energy/materials are sourced/disposed of and recycled. Your team will respond (team of 4) by designing an intervention into the partner's cycle of production to identify an approach for making their practice more sustainable.

For example, this might be a re-use of the waste material, or re-thinking of sourcing of material/energy, or the re-thinking of the materials/energy used in the process. It may also include social sustainability by creating new collaborations of shared spaces/materials. The design will be site-specific- this means it will be specifically designed for the partner's working space.

You will construct your intervention in full or in part at 1:1 scale (completed at 1:5) and you might be able to test it on site with your partner.

Celebratory Exchange:

Sustainable intervention extended (Individual speculation)

What else can you do? You will develop your proposal by speculating on how it can be extended (in size/influence) to include more of the site community. Individually, you will imagine how your sustainable intervention might be upscaled: will it, for example, take over a new space? Create new relationships? Propose a new system design? Is it modular? Or is it a new spatial configuration between the buildings?

You will design your sustainable intervention using speculative composite drawings, models, and collages at scale 1:20/50 and 1:100/200.

We will use a variety of drawing and photographic processes to extract, analyse and develop the hidden qualities and potential of your exchange. These processes will be independently led and will reflect your own interest and ways of working.

ASSESSMENT

Submission Requirements

At the end of the unit, you will submit a pdf design portfolio (compiled in InDesign) to include all work produced. As a minimum requirement, your submission should include the following 10 outcomes:

1. **Partner study**
 - a) Group survey of your partner's interior and exterior space (measured survey and photographic survey) drawn up at scale 1:20 and 1:100/200 [group].

- 1:20 plan of space (interior)
- 1:20 cross section of space (interior)
- 1:100 context site plan (exterior)
- 1:100 long site section to include a public space/area (exterior).

- b) Cycle of production diagram - *composite drawing* to include: inhabited partner space 1:20/1:100 scale drawings (2D or 3D/axonometric) using *body, object, space, threshold*. This can include a material study from the design process.
- c) Photographic investigation of the partner space and cycle of production.

2. Sustainable intervention

a) Intervention Study Diagram:

Indicate on your partner cycle of production diagram [created as an individual and/or as part of a group] where you would like to intervene.

b) Sustainable intervention proto-type 1:1/1:5

- i) Sustainable intervention proto-type 1:1 or 1:5 with sketches and sketch model development [group]
- ii) Sustainable intervention composite drawing to include Plans and sections of proto-type 1:1/1:5 *and* Drawing of your intervention in context at scale 1:20 + 1:100 (using *body, object, space, threshold*). It will also include photographs of proto-type testing with partner - with and without use

c) Sustainable intervention extended (1:20/1:50/1:100, discuss with tutor)

Personal composite drawing which includes:

- i) Personalised site drawings or model using your 1:20/1:100 plans and sections or axonometric.
- ii) Design development: show 3 different design ideas or design development iterations (use collage or model or any medium you like).
- iii) Personal composite drawing of your proposal (3D axonometric/perspectives/sequences, short film etc to include Final proposal in context and in use in plan and section.

3. Documentation of Exchange 1 (gift) and Exchange 2 (ideas) with partners.

Submission Information

You must submit the final PDF via Unit 4 Moodle page before 12.00pm GMT, Thursday 16 June 2022

Learning Outcomes and Assessment Criteria

On successful completion of this unit you will be able to demonstrate:

- LO1 Interpret, evaluate and evidence information using structured and clear arguments, in text and visuals, towards evolving a design solution (Enquiry)

- LO2 Demonstrate knowledge using digital tools, applied to processes and realisation of a spatial proposal (Knowledge)
- LO3 Apply appropriate design processes, skills, methods and media to explore, develop and solve planning strategies and organise a sequence of spaces (Process)
- LO4 Communicate, using visuals and text, the process and narrative of a spatial proposition for a variety of audiences in a coherent design portfolio (Communication)
- LO5 Demonstrate creative attributes, responsible engagement and critical reflection to develop a spatial proposition in response to an existing complex social, political and cultural site condition (Realisation)

Timetable

Weekly Structure

Monday 10:00-16:00	digital skills (online) <i>Tutor: Max Marino</i> The day will be divided into a taught session and bookable tutorials.
Tuesday 13:00-14:30	language support (online) for those for whom English is not a first language <i>Tutor: Joanne McVey</i>
Wednesday 10:00-16:00	Drawing Wednesdays 10-11 (with <i>Lucy Eccles and Reem Charif</i>) 11 + bookable tutorials (in studio) <i>Tutor: Lucy Eccles, Gabriel Brambilla, and Madoka Ellis</i>
Thursday 10:00-13:00	Theory lecture (online) will alternate between lectures, workshops and student led discussions. <i>Tutor: Reem Charif and invited guests</i>
Friday 10:00-16:00	Tutorials and workshops (in studio) <i>Tutorial groups with:</i> <i>Reem Charif, Johnny Cullinan, Madoka Ellis, Harriet Lee, Francesca Merton and Shibboleth Shechter</i>

Unit 1 timetable

WEEK 1			
DAY/ DATE	TIME	ACTIVITY	NOTE
Friday 22 April 2022	10:00-11:00	Briefing of unit 4	Online
	11:30-12:30	Thinking Thursday series 01 Introduction to working with communities <i>with Wilfried Rimensberger</i>	
	14:00-16:30	Exchange 1: Gift Exchange Site visit	

WEEK 2			
Monday 25/04/2022	10:00-12:00 12:00- 16:00	Digital Skills – AutoCAD <i>With Max Marino</i> Drop in online tutorial for drawing up partner space survey drawings 1:20, 1:100	Online
Tuesday 26/04/2022		Independent study	
Wednesday 27/04/2022	10:00 -16:00	Drawing Wednesdays Composite Drawing workshop	BA ISD Studios
Thursday 28/04/2022	10:00-11:30 14:00-16:00	Thinking Thursday 02- Sustainable Exchange workshop (RC) Academic Support Designing together: positive approaches to working as a team.	Online TBC
Friday 29/04/2022	10:00-16:00	<ul style="list-style-type: none"> - Partner study: documenting space of partner' including cycle of production - Material study - identifying material life cycle - Sustainable intervention study: identifying possibilities/approach for making the partner's practice more sustainable. 	BA ISD Studios Camberwell 3rd floor, B Block.
WEEK 3			
Monday 02/05/2022	10:00-12:00 12:00- 16:00	Digital Skills – AutoCAD <i>With Max Marino</i> Drop in online tutorial for drawing up partner space survey drawings 1:20, 1:100	Online
Tuesday 03/05/2022	10-11:30	Careers and Employability workshop CV's and Cover Letters	
Wednesday 04/05/2022	10:00 -1:00 14:00-16:00	Drawing Wednesdays <ul style="list-style-type: none"> - Material cycle drawing - Sketch models iterations of sustainable intervention 	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 05/05/2022	10:00- 11:30	Thinking Thursday 03- Critical Play – with Catalina Pollak	Online
Friday 06/05/2022	10:00-16:00	[Groups] <ul style="list-style-type: none"> - develop partner study and material study as composition drawing. - 1:1 Prototyping of Sustainable Intervention 	In studio BA ISD Studios Camberwell 3rd floor, B Block.
WEEK 4			
Monday 09/05/2022	10:00-12:00 12:00- 16:00	Digital Skills – In-design - Diagrams <i>With Gabriele BramBilla</i>	Online

		Drop in online tutorial for drawing Cycle of Production Diagram	
Tuesday 10/05/2022	10-11:30	Careers and Employability workshop Interview Skills	
Wednesday 11/05/2022	10:00 -11:00 11:00- 16:00	Drawing Wednesdays <ul style="list-style-type: none"> - composite drawing of Sustainable Intervention - portfolio sheets to be produced for Partner exchange - 1:1 Prototyping of sustainable intervention 	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 12/05/2022	10:00- 11:30	Thinking Thursday 04- (tbc)	Online
Friday 13/05/2022	10:00-16:00	[Groups] <ul style="list-style-type: none"> - 1:1 Prototyping of Sustainable Intervention. - composite drawing of Sustainable Intervention - portfolio sheets to be produced for Partner exchange 2. 	BA ISD Studios Camberwell 3rd floor, B Block.
WEEK 5			
Monday 16/05/2022	10:00-12:00 12:00- 16:00	Digital Skills – AutoCAD <i>With Max Marino</i> Drop in online tutorial for drawing up sustainable Intervention at 1:1 and 1:5 + introducing 3D drawing	Online
Tuesday 17/05/2022	10:00-11:00 14:00-15:30	Sustainability Network - ACAN – Architects Climate Action Network Careers and Employability workshop Professional Portfolio	Online Online
Wednesday 18/05/2022	10:00 -16:00	Drawing Wednesdays <ul style="list-style-type: none"> - 1:1 Prototyping of sustainable intervention - portfolio for exchange 2 - drop ins 	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 19/05/2022	10:00- 13:00	Thinking Thursday 06- Environmental Loop (The Key Stone Maker Story) lecture and workshop <i>with Jason Coleman</i>	BA ISD Studios Camberwell 3rd floor, B Block.
Friday 20/05/2022	10:00-13:00 13:00-16:00	[group] Exchange 2: Ideas Exchange Sustainable Intervention Extended workshop on site	Copeland Park and Bussey Building
WEEK 6			
Monday 23/05/2022	10:00-12:00 12:00- 16:00	Digital Skills – AutoCAD <i>With Max Marino</i> Drop in online tutorial for drawing up sustainable Intervention extended at 1:20 and 1:00	

Tuesday 24/05/2022		Independent study	
Wednesday 25/05/2022	10:00-16:00	Drawing Wednesdays Extended sustainable intervention collages or model making workshop- 3 iterations	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 26/05/2022	10:00- 11:30 14:00-16:00	Thinking Thursday 07- MUF (tbc) Academic Support Working with the Public: collaborative strategies and public outcomes	Online
Friday 27/05/2022	10:00-16:00	[Individual] Individual design development of Sustainable Intervention extended + personal composite drawings: <ul style="list-style-type: none"> - Sustainable intervention extended iterations - Sustainable intervention extended proposal in context and in use using at scale appropriate to proposal 	BA ISD Studios Camberwell 3rd floor, B Block.
WEEK 7			
Monday 30/05/2022	10:00-12:00 12:00- 16:00	Digital Skills – AutoCAD <i>With Max Marino</i> Drop in online tutorial for drawing up sustainable Intervention extended at 1:20 and 1:00	Online
Tuesday 31/05/2022		Independent study	
Wednesday 01/06/2022	10:00-16:00	Drawing Wednesdays <ul style="list-style-type: none"> - Peer Review Drawing Workshop in small groups. - drop in tutorials 	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 02/06/2022	10:00- 11:30	Platinum Jubilee Bank Holiday Continue Individual design development of Sustainable Intervention extended + personal composite drawings and portfolio	Online
Friday 03/06/2022		Platinum Jubilee Bank Holiday Continue Individual design development of Sustainable Intervention extended + personal composite drawings and portfolio	
WEEK 8			
Monday 06/06/2022	10:00-12:00 12:00- 16:00	Digital Skills – In-design portfolio Reminder <i>With Gabriele Brambilla</i> Drop in online tutorial for portfolio layout questions	Online

Tuesday 07/06/2022		Independent study	
Wednesday 08/06/2022	10:00--16:00	Drawing Wednesdays - Bookable drawing tutorials with Lucy Eccles - Bookable portfolio tutorials with Shibboleth Shechter - Bookable portfolio tutorials with Reem Charif	Online and in studio
Thursday 09/06/2022	10:00- 16:00	08- portfolios workshop - Bookable portfolio tutorials with Shibboleth Shechter and Reem Charif	Online and in studio
Friday 10/06/2022	10:00-16:00	[individual] Individual design development of Sustainable Intervention extended + personal composite drawing	In studio
WEEK 9			
Monday 13/06/2022	10:00- 16:00	Digital Skills – In-Design and Autocad Drop in online tutorial for portfolio design with Gabriele or Max	Online
Tuesday 15/06/2022		Independent study	
Wednesday 15/06/2022	10:00-16:00	Drawing Wednesdays Bookable studio tutorial on drawings with Lucy Eccles	BA ISD Studios Camberwell 3rd floor, B Block.
Thursday 16/06/2022		Unit 4 Submission online 12:00 PM (GMT)	Online
Friday 24/06/2022	10:00-16:00	Assessment Feedback Exchange 3: Celebratory	tbc

READING AND RESOURCE LIST

Core Reading and Reference

<https://medium.com/disruptive-design/quick-guide-to-sustainable-design-strategies-641765a86fb8>

Further Reading from this online article can be found in this book

Acaroglu, L., 2018. Circular systems design handbook : a toolkit for the circular economy. New York, New York : Disrupt Design LLC.

Available as an ebook at the library here: (use password: *Snake81

<https://libsearch.arts.ac.uk/cgi-bin/koha/opac-detail.pl?biblionumber=1497229>

<https://www.circulardesignguide.com>

Further Core and Relevant bibliography

See unit 4 reading and resource list Padlet on Teams –

Here: <https://padlet.com/rcharif3/p9oab43esenvzy6>

As the topics we are engaging with are current and emergent, the reference list for the unit is a live document which we will update regularly. Please do suggest articles, websites, films, fiction and non-fiction books, that you come across in your research. We will be exploring both collective and personal values and identities,

please do suggest books that you think are relevant to all, but also books that are perhaps more personal. When suggesting books or journal articles, please use the Harvard referencing system. You can find guidance here: <https://arts.ac.libguides.com/citethemright> (or you can ask your tutors for help).

GLOSSARY

Socially engaged practice describes art and design processes that are collaborative, often participatory and involves people as the medium or material of the work.

Description adapted from Tate Art Terms (Tate, 2022)

Speculative design is a design practice that is concerned with future design proposals of a critical nature. The aim is not to present commercially driven design proposals but to design proposals that identify and debate crucial issues that might happen in the future. (Dunn & Raby, 2013)

Sustainable Design

Sustainability, at its core, is simply about making sure that what we use and how we use it today, doesn't have negative impacts on current and future generations' ability to live prosperously on this planet. It's also about ensuring we are meeting our needs in socially just, environmentally positive and economically viable ways. Sustainable Design is the approach to creating products and services that have considered the environmental social, and economic impact from the initial phase through to the end of life. (Acaroglu, 2020)

(see our padlet **The 4 pillars of Sustainable design** for more on Social, Environmental, economic and Human sustainability- see also UNESCO sustainable development goals <https://en.unesco.org/themes/education-sustainable-development/what-is-esd/sd>)

Circular Economy/circular Design: The circular economy is an approach to maximize value and eliminate waste by improving (and in some cases transforming) how goods and services are designed, manufactured and used. Moving to a circular economy (which embraces closed-loop and sustainable production systems) means that the end of life of products is considered at the start, and the entire life cycle impacts are designed to offer new opportunities, not wasteful outcomes. (Acaroglu, 2020)

Imagine what would happen if everything was designed to be restorative and regenerative? ... [Designers] create service layers that facilitate more users for a product within its life cycle, prolong its life cycle or enable more usages for the materials beyond the initial life cycle. Think take-back models, repair services, upgradability or a sharing system. (www.circulardesignguide.com, 2022)

Spatial Agency presents a new way of looking at how buildings and space can be produced. Moving away from architecture's traditional focus on the look and making of buildings, Spatial Agency proposes a much more expansive field of opportunities in which architects and non-architects can operate. It suggests other ways of doing architecture (Awan, et al., 2011)

Positionality

"Positionality is the notion that personal values, views, and location in time and space influence how one understands the world. In this context, gender, race, class, and other aspects of identities are indicators of social and spatial positions and are not fixed, given qualities. Positions act on the knowledge a person has about things, both material and abstract. Consequently, knowledge is the product of a specific position that reflects particular places and spaces." (Warf, 2010)

Composite Drawing:

A composite drawing occurs when two or more modes of drawing are brought together and are fused into a hybrid form of graphic representation. Although a large number of diverse drawings combined

into one runs the risk of ambiguity, composite drawings offer opportunities to explore and experiment with a presentation, to emphasize, de-emphasize, compose and decompose specific parts of a design. (Porter, 2004) see longer definition on Miro and on p.26 of Archispeak).

SUPPORT

CCW has a range of services that can support you with your studies. Useful contacts for advice and guidance include:

Material and Spatial Practices Programme Administration Team: mspccw@arts.ac.uk

CCW Academic Support Team: ccw-academicssupport@arts.ac.uk

<https://www.arts.ac.uk/students/library-services/academic-support>

CCW Academic Support Contact: Victoria Ahrens v.ahrens@camberwell.arts.ac.uk

+44 (0)7966 283696

CCW Disability Adviser Contact: James Gwynne James.gwynne@arts.ac.uk

0207 514 6156

CCW Subject Librarian Contact: Alexandra Duncan a.duncan@chelsea.arts.ac.uk

0207 514 7840

UAL services include:

UAL Language Centre: Offers tailored classes, 1-1 tutorials and speaking and writing workshops to help you with your studies. Visit [UAL Language Centre](#) for further information

Student Services: Find out about services including counselling, health advice, chaplaincy, disability and dyslexia support, and advice on funding and immigration matters. Visit [Student Services](#) for further information.

Student Union: Arts SU offers impartial advice (independent from UAL), and is the place to find other students and learn new skills. Visit [Student Union](#) for further information.