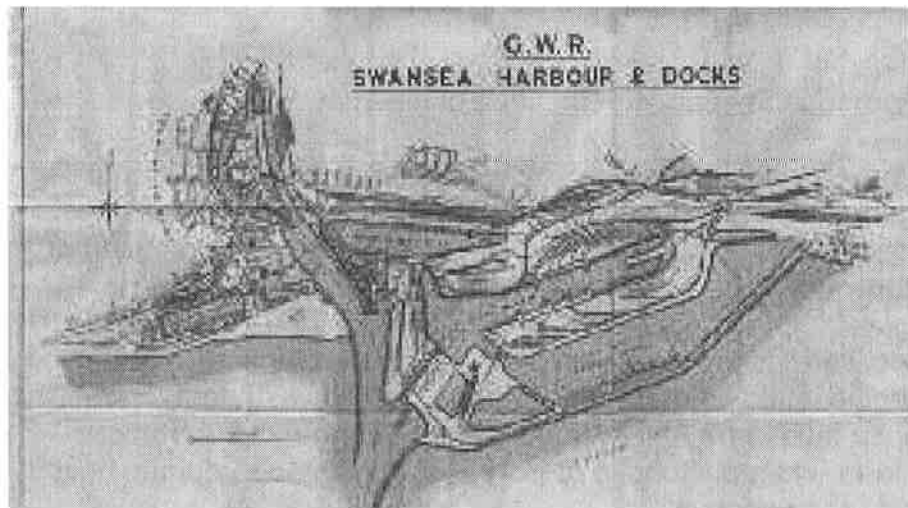




University of Wales Trinity Saint David

BSc (Hons) Architecture

Session 2019/20 - Year 3 (Level 6)

Architecture Studio 3A

Module Code – M6X01983 (20 Credits)

Swansea Docks Masterplan

29.05.19

Introduction

This is the first of three linked modules that form the design studio for the third year.

The modules are linked in the following way:

Studio 3A – An Urban Study of Swansea in general and the docks in particular. A master plan of an area of the docks. The production of a brief for a project of your choice. A precedent study which relates to the project of your choice. A concept design.

Studio 3B – The Design of your chosen project along with a technical report emphasising the design aims of the project and how it responds to your detailed brief.

Studio 3C – The technical resolution of your design. Including construction drawings, models and a technical design report explaining the structure, materials, construction, environmental strategies.

If students are unable to decide on a project there will be two default briefs offered – An Archive for Welsh Architecture and a New Build Art Museum.

Studio 3A

This first Studio is concerned, above all, with the idea of place making.

Having moved into our new faculty building in SA1 we find ourselves in a unique position. We are surrounded by open sites – a myriad of opportunities for buildings. Close by we have identified an area that is a large infill site – currently comprised of open land and a boat yard.

What would you do if you were asked to prepare a master plan for this site? What buildings would you imagine could be grouped into this area? New student accommodation, A new art museum? A care home? More apartments? A vertical farm or an aquaponics farm – to grow food in the city? What is the appropriate height for these buildings in this urban context?

Are there over-riding ideas that apply to all of them? Should they have accessible green roofs? Parks in the air as well as on the ground? How do they relate to the edge of the docks and what sort of spaces are created in between them? And – most importantly – how can all of this be done employing the principles of sustainability you have investigated over the past two years?

How do you turn this open space into a place?

Before you embark on the master planning you need to find out more about the city you occupy. So initially you will undertake a study of the city in general and then the designated masterplan area in particular. Swansea, like many other post industrial cities is seeking a new identity. Employment is shifting towards a service based, as opposed to manufacturing based, economy, it is becoming a city based on financial, cultural and educational services. Your study needs to demonstrate how the city has grown and changed, how it's employment base has shifted, what sort of housing people live in, how is the city used by it's inhabitants. You can undertake this research as a year group and pool the information. All information should be collated on A3 sheets and each student should produce a minimum of 2 no. A3 sheets. All sheets to be in landscape format – overall sheet design to be agreed as a year group. This needs to be presented as a single A3 spiral bound document (retaining copies of your individual sheets in your portfolio).

As a year group you will also construct a large scale site model – showing any existing buildings in block form. This model is for all to use in developing the masterplan. You can continue to work as year group on the masterplan if you wish, or in smaller groups. However, at the end of the design process everyone will need to produce their own masterplan. Which should be presented on one A1 sheet in colour, this should be accompanied by a further 4 no. A3 sheets which illustrate a site analysis and diagrammatically the ideas that underlie the masterplan. These will be supplemented by 3D work, models and photographs of models plus your sketch books.

At the end of this process it is hoped that you will have identified a building type that you would like to take forward for your final project (you may even have invented a building type?). You will need to select an appropriate site on your masterplan. There is also the possibility of re-using some of the existing buildings close to the defined site if you prefer to work with an existing structure or feel it is more appropriate for your chosen project. Then you need to write a brief – this will comprise a statement which describes the proposal along with an accommodation schedule. As mentioned above there are default projects – and there will be sketch briefs available for these, although you will need to develop and particularise them.

You will also undertake a precedent study based on the building you have chosen to design (2. No. A3 sheets)

In the final week of this studio you will produce a very rapid concept design or feasibility study. The function of a feasibility study is not to produce the final design, but merely to establish, to test, that a design, of some description, can be generated for your particular brief and site.

Aims

To consider broader issues of urban design and building in response to context and prepare a brief for the design of the final integrative design project that will form the basis of Studio 3B and 3C.

Objective

In the first instance you will produce a study/analysis of Swansea City in general and the area designated for the masterplan in particular as described above. By now you should be familiar with this type of analysis - you have undertaken it on a number of projects including the Town study undertaken on studio 2A.

In developing your masterplan you need to consider the information gleaned from the study above analysis:

Site History/Historical Context.

Architectural Character of surrounding buildings.

Site constraints and orientation.

Possibilities of pedestrian and vehicle access/pick up point (to collect refuse/recycling for example).

Development opportunities – how to use the site most effectively, maximising views, orientation, points of arrival etc.

You will produce drawings that show the characteristics of the existing site indicating the above.

You should submit the following drawings:

City Study – 2 no. A3 sheets

Site Study and Concept Diagrams – 4 no. A3 sheets

Location Plan (A3) and Site Plan as existing (A3),

Master Plan – 1 no. A1 Sheet – plus supplementary 3D drawings and photographs of your proposals set on the model.

Project Brief.

Precedent Study.

Assessment

Work will be weighted into the following:

City Study – 10% - Based quality of research and quality of graphics

Site Analysis and Concept Diagrams – 10% - Based on quality of Analysis and quality of graphics.

Masterplan – 70% - based on quality of design development, design resolution and presentation

Brief and Accommodation Schedule – 5% - Based on completeness and quality of the document.

Precedent Study – 5% - Based on quality of analysis and presentation

Timetable:

Week 1 – Commencing Monday 30th September 2019– 10.00 a.m.

Studio Design briefing on Monday 30th September.

This week will be focused on research into the city of Swansea. The research for the can be undertaken as a year group activity – but it is essential that all students produce their own power point presentation for the following Monday.

The recommended areas of focus are as follows (but you may wish to bring forward other items for study:

- . History of area – Timeline
- . History of the area – Urban Development
- . Transport – Links to the site – possible links
- . Employment – who does what in Swansea?
- . Current Industries – what are the main sources of income
- . Housing – What is the state of the housing provision, who lives in the mariner?
- . Green Infrastructure – What provision has been made in the Docks development?

The presentation should be by powerpoint and comprise all of the raw research material you are able to accumulate on the above.

Friday 4th October – Studio teaching with Gavin Traylor

Week 2 – Commencing Monday 7th October 2019– 10.00 a.m.

All city analysis to be presented on Monday by powerpoint. Following the presentation we will discuss possible ways in which this information can be graphically communicated.

During the rest of this week you will produce a series of graphic illustrations in A3 format communicating the raw data you have accumulated. Each student should produce 4 no. A4 sheets illustrating the area you are investigating.

Friday 11th October – Studio teaching with Gavin Traylor

Week 3 – Commencing Monday 14th October 2019– 10.00 a.m.

FORMAL REVIEW

Everyone to present their area of research on Powerpoint. This work to be formatted into 4 no. A3 sheets on pdf form. Pdf Copies and hard copies of work to be submitted before 5.00 p.m. on same day.

Commence masterplan exercise with a site analysis of the docks area along with initial concept drawings. Again this can be done as a year group – however, all students will be expected to produce an individual site analysis for next Monday – to be presented on 4. No. A3 sheets, a site analysis, a sheet showing existing buildings, a landscape/place making strategy and a concept sketch showing proposed buildings/spaces.

A3. Sheets to be developed:

1. Site Analysis

Focus on Topography.

Delineating existing Buildings.

Views.

Sunpath.

Prevailing wind.

Existing Roads.

Cycle paths.

2. Existing Buildings/Figure Ground Diagram
3. Landscape Strategy
4. Concept sketch showing proposed buildings.

Friday 15th October – Studio teaching with Gavin Traylor

Week 4 – Commencing Monday 21st October 2019 – 10.00 a.m.

Presentation of last week's work, everyone to present their area of research on Powerpoint. This work to be formatted into 4 no. A3 sheets on pdf form. Pdf Copies and hard copies of work to be submitted before 5.00 p.m. on same day.

A3. Sheets to be presented:

1. Site Analysis
Focus on Topography.
Delineating existing Buildings.
Views.
Sunpath.
Prevailing wind.
Existing Roads.
Cycle paths.
2. Existing Buildings/Figure Ground Diagram
3. Landscape Strategy
4. Concept sketch showing proposed buildings.

The above are to be developed into a draft masterplan for presentation next Monday.

The year group is also to construct a large scale model of the site including existing buildings.

Friday 25th October – Studio teaching with Gavin Traylor

Week 5 – Commencing Monday 28th October 2019– 10.00 a.m.

**FORMAL REVIEW - Formal Year Review – All work to be pinned up for Review.
We will be joined by Chris Loyn.**

Monday morning we will be joined by Chris Loyn for a formal review. At this review you should bring together all of your work to date. This includes your city analysis, site analysis, concept studies and draft masterplan. You should be able to utilise the model to show your draft proposals in block form. You will need to set out your proposals and photograph them in turns so everyone has use of the model.

Chris will not be familiar with the site – so take nothing for granted, he is being introduced to your scheme for the first time, so provide everything he needs to understand your design proposal.

During the rest of the week you will develop your masterplan proposals. For presentation next Monday.

Friday 1st November – Studio teaching with Gavin Traylor

Week 6 – Commencing Monday 4th November 2019 – 10.00 a.m.

Formal Review of Masterplan Proposals.

Monday will start with a formal review of your masterplan proposal – this can be presented on powerpoint. The format is pdf A1 sheet size. Supplemented by photographs of the model along with any other 3D work you may have completed. Hard copies of proposal to be submitted at 5.00 p.m.

The rest of the week to be spent refining your master plan proposal, and developing 3D material to supplement the proposal.

Friday 8th November – Studio teaching with Gavin Traylor

Week 7 – Commencing Monday 11th November 2019 – 10.00 a.m.

FORMAL REVIEW

Monday will start with a formal review of the masterplan proposals. At this stage your design should be well developed with clearly drawn material – it should represent the conclusion of your masterplan proposal.

For the rest of the week you should develop your proposed project brief and prepare a precedent study – analysing how a similar building has been designed.

Friday 15th November – Studio teaching with Gavin Traylor

Week 8 – Commencing Monday 18th November 2018 – 10.00 a.m.

Presentation of proposed brief and precedent study on powerpoint. The brief should be presented on A4 sheets. The precedent study to be presented on 2 no. A3 sheets.

This week you will be focused on bringing together your submission for Friday.

Work to be submitted on Friday 22nd November at 10.00 a.m. Please ensure your drawings are pinned up ready to commence the reviews at 10.00 a.m.

All work to date to be presented:

City Study – 4 no. A3 sheets

Site Study and Concept Diagrams – 4 no. A3 sheets

Location Plan (A3) and Site Plan as existing (A3),

Master Plan – 1 no. A1 Sheet – plus supplementary 3D drawings and photographs of your proposals set on the model (could be photographs).

Project Brief.

Precedent Study.

Reviews to take place Friday 22nd November commencing at 10.00 a.m.

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