

LEVEL 6 ASSESSMENT SPECIFICATION

Student name:		Student ID number:	
Programme:	Architecture BSc		
Module:	Studio 3B		
Module code:	M6X01984	Contribution to Overall Module Assessment (%):	
Lecturer:	Paul Harries	Internal Verifier:	Gavin Traylor
Assignment Title:	Architecture Studio 3B Design Project/ Report	Word count (or equivalent):	
Submission deadline:	Monday 15 th February 2021 at 10.00 a.m.	Return date of provisional marks & written feedback:	
Submission method:	All written assessments, where practical and possible, must be submitted via Turnitin unless otherwise instructed by the Lecturer. (Please DO NOT put this assessment specification into Turnitin or it will match many similarities with other students' submissions.) Alternative submission method (if applicable): Late submission of the assessment will result in a late penalty mark. Penalties for late submission: Up to one week late, maximum mark of 40%. Over one week late, 0%. Only the Extenuating Circumstances Panel may approve a change to submission dates.		
Academic honesty / referencing:	Academic honesty is required. In the main body of your submission you must give credit to authors on whose research and ideas your work is based. Append to your submission a reference list that indicates the books, articles, etc. that you have used, cited or quoted in order to complete this assessment.		

Module Learning Outcomes (from module syllabus)

- Create a well-ordered design for a moderately complex non-domestic building in response to a defined brief that satisfy user needs and relates well to physical and cultural context.
- Explain the characteristics of contemporary frame construction and detailing in the context of the design of a general arrangement for the structure, fabric and services of a moderately complex non-domestic building
- Explain of principles low carbon design to create comfortable internal conditions effectively and efficiently
- Communicate architectural, technical and urban design ideas using a range of media including: writing, visual images, physical and digital models and verbal presentations

TASK DESCRIPTION

Introduction

Having selected a project and compiled a brief as part of Studio 3A this studio gives you the opportunity to develop a scheme design over a period of 8 weeks. You will also prepare a design report as part of this project.

Aims

The aim of the project is to produce a design which brings together a complex group of functions in a new building. Particular consideration should be given to the context into which you place your proposal.

You should design a building in sufficient detail to demonstrate your ability to successfully integrate structural, constructional and environmental requirements into a well resolved coherent architectural composition to meet the needs of building users.

Objective

You will already have conducted an analysis of the general context and history of the area as part of Studio 3A. Do not lose sight of the research that has already been undertaken – remember this Studio forms part of three studios that form a continuous programme of work. In the first instance you will need to undertake an analysis of the particular site you have selected – clearly identifying the site boundary and the immediate context and constraints. This will include the constraints imposed by your own masterplan. Some of the issues you will need to consider in your site analysis:

Site Analysis

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.

Following your building analysis you will produce a design which clearly shows a new building in its given context.

You should submit the following:

Location Plan, Site Plan, Plans as Proposed, Sections as Proposed, Elevations as Proposed along with 3D drawings and a model.

Design Report – 1250-1500 words. Your design report should incorporate your completed brief and cover the following:

Description of your response to the building context – this should be supported by diagrams.

Environmental Strategy – Building Orientation, Sustainability, Natural Light, Building Envelope and insulation, Heating and ventilation this should be supported by diagrams. You should explain how your building responds to the principles of low carbon design to create comfortable internal conditions.

Structural Strategy – A description of the structural strategy - this should be supported by diagrams.

Timetable

Week 1 – Commencing Monday 30th November – 10.00 a.m.

Studio Design briefing. Followed by individual tutorials to discuss the initial brief produced for Studio 3A.

Thursday 3rd December – Studio teaching with Mark Waghorn

Week 2 – Commencing Monday 7th December– 10.00 a.m. –

Individual Tutorials – at this stage it is anticipated that you will have produced concept diagrams and an initial sketch scheme for discussion. Please print out key drawings – plans, sections for a tutorial.

Thursday 10th December – Studio teaching with Mark Waghorn

Christmas Break 14th December 2020 – 7th January 2021 – Do not regard this as a holiday!

It is extremely important that you use this three week period to develop your design proposal. You may also be working on your dissertation during this period. When you return after the Christmas break you have a further 6 weeks to develop your scheme. This may seem a long time – but by now you realise just how quickly time goes!

Week 3 – Commencing Monday 4th January– 10.00 a.m.

FORMAL REVIEW

For the start of week 3 you should have developed a site plan and outline plans, sections and elevations. Plus a small sketch model showing the building on the proposed site at a scale of

1;200. Work to date should be arranged on a powerpoint – commencing with a clearly defined brief, site analysis plus the above drawings. Plans and sections should be printed out. You will need to start developing your design report – setting out the contents pages and writing a paragraph on each section.

Thursday 7th January – Studio teaching with Mark Waghorn

Week 4 – Commencing Monday 11th January 2021 – 10.00 a.m.

Monday will start with a crits/tutorials in small groups. At this stage your design should be coherent - with should have a preliminary design – clearly drawn with plans and sections plus a sketch model showing your proposal. You should also have a sheet indicating a selection of materials. By the end of the week your scheme should be well defined. Please submit your first draft of your design report.

Thursday 14th January – Studio teaching with Mark Waghorn

Week 5 – Commencing Monday 18th January – 10 a.m. FORMAL REVIEW - Formal Year Review – All work to be pinned up for Review.

At this review you should bring together all of your work to date. This includes your site analysis, precedent study, location plan, site plan, plans, sections and elevations plus any 3D work you may have.

During the rest of the week you will make study of the external façade in a 1:20 section. This is not only undertaken to resolve some aspect of your scheme technically, but more importantly, to establish the design language of your scheme. At this point in the design you will also be thinking about the materials you are going to use, both internally and externally

Thursday 21st January – Studio teaching with Mark Waghorn

Week 6 – Commencing Monday 25th January – 10.00 a.m. – Formal Review of Detail Sections and tutorials on work to date.

Monday will start with a crits/tutorials in small groups. At this stage your design should be coherent - clearly drawn with plans and sections plus a sketch model showing your proposal. You should also have a sheet indicating a selection of materials. By the end of the week your scheme should be significantly complete and you should be in a position to start refining your design. Please submit your second draft of your design report.

Thursday 28th January – Studio teaching with Mark Waghorn

Week 7 – Commencing Monday 1st February – 10.00 a.m.

Monday will start with a crits/tutorials in small groups. At this stage your design should be complete with clearly drawn plans and sections plus a selection of 3D work. This week you should focus on refining your design and preparing presentation material for your design. Apart from plans, sections and elevations you will need to produce 3D work – which could include freehand perspective sketches, models, photoshop, collage – the medium is your choice. As in the last presentation you will need plans, sections and elevations (which you have already drawn) so you can demonstrate how the scheme is organised, but you will also need some 3D work, perhaps a drawing that shows the spatial quality of your proposal and/or a drawing that conveys the atmosphere of your scheme. At the end of this process all of your work should be brought together in a cohesive presentation that reveals the visual, spatial and tactile qualities of what you propose.

Thursday 4th February – Studio teaching with Mark Waghorn

Week 8 – Commencing Monday 8th February – 10.00 a.m.

Please pin up a draft presentation scheme – the layout can be shown in draft for (not all of the drawings need necessarily be complete at this stage). You should regard this as an opportunity to present a trial run of your final submission.

The rest of the week you will be focused on preparing presentation material for your design. Apart from plans, sections and elevations you will need to produce 3D work – which could include freehand perspective sketches, models, photoshop, collage – the medium is your choice. As in the last presentation you will need plans, sections and elevations (which you have already drawn) so you can demonstrate how the scheme is organised, but you will also need some 3D work, perhaps a drawing that shows the spatial quality of your proposal and/or a drawing that conveys the atmosphere of your scheme. At the end of this process all of your work should be brought together in a cohesive presentation that reveals the visual, spatial and tactile qualities of what you propose.

Week 9 - Work to be submitted on Monday 15th February 2021 at 10.00 a.m.

Please ensure all of your work is pinned up (or ready to be pinned up) by 10.00 a.m.

Reviews to take place on Monday 15th February 2021 at 10.00 a.m.

Reading List

Recommended

GOLDSMITH, S 2000 *Universal Design* Oxford, Architectural Press
BROWN, G.Z & DeKAY, M. 2014 *Sun, Wind and Light: Architectural Design Strategies* Hoboken NJ, Wiley

Background

ALREAD, J, & THOMAS, L. 2007 *Design-Tech: Building Science for Architects*. Oxford, Architectural Press

BADEN-POWELL, C. 2011 *The Architect's Pocket Book* 4th ed. Oxford, Architectural Press

BRYAN, T. 2010 *Construction Technology: analysis and choice*. 2nd ed. Chichester, Wiley-Blackwell.

BRAND, S. 1997 *How Buildings Learn: What Happens after they are Built*, London Phoenix.

DEPLAZES, A. (ed.) 2005 *Constructing Architecture: materials, processes, structures: a handbook*. Basel, Birkhäuser

DYE, A & McEVOY, M 2008 *Environmental Construction Handbook*. London, RIBA Publishing

EDWARDS, B. 2014 *Rough Guide to Sustainability* 4th ed. London, RIBA Publishing

ELLINGHAM, I. & FAWCETT, W. 2013 *Whole Life Sustainability*. London, RIBA Publishing

HEYWOOD, H. 2012 *101 Rules of Thumb for Low Energy Architecture*. London, RIBA Publishing

HUNT, T., 2003. *Tony Hunt's Structures Notebook*. 2nd ed. London, Architectural Press

LATHAM, I & SWENARTON, M. (eds) 2007 *Fielden Clegg Bradley: the Environmental Handbook* London, Rightangle Publishing

LITTLEFIELD, D (ed) 2008 *Metric Handbook: Planning & Design Data* 3rd edition. London: Elsevier

KWOK, A & GRONDZIK, W. 2007 *The Green Studio Handbook*. Oxford, Architectural Press

PELSMAKERS, S. 2012 *Environmental Design Pocket Book*. London, RIBA Publishing

RADFORD, A. et al 2014 *Elements of modern Architecture: Understanding Contemporary Buildings* London Thames & Hudson

THOMPSON, R. 2007 *Manufacturing Processes for Design Professionals*. London: Thames & Hudson

UNWIN, S., 1997. *Analysing Architecture*. London: Routledge

UNWIN, S. 2012 *Exercises in Architecture*. London: Routledge

WILSON, F. 1971 *Structure: the essence of architecture*. London: Studio Vista.

GUIDANCE FOR STUDENTS IN THE COMPLETION OF TASKS

(Lecturer – please insert guidance for students here. Please link the task to the five common assessment criteria overleaf)

ASSESSMENT CRITERIA

Areas of Performance	Outcome Statement	Mark % of overall
Design Development	Demonstration conceptual advancement	20%
Design Product	Demonstration of design embodying functional resolution and compositional skills	50%
Visual communication	Demonstration of engagement with diverse methods of communication and presentation	15%
Verbal Communication	Demonstration of capacity for clear and engaging communication	5%
Design Synthesis	Demonstration of synthesis of creative study	10%

MARKING CRITERIA AND STUDENT FEEDBACK

This section details the assessment criteria. The *extent* to which these are demonstrated by you determines your mark. The marks available for each criterion are shown. Lecturers will use the space provided to comment on the achievement of the task(s), including those areas in which you have performed well and areas that would benefit from development/improvement.

Studio Assessment Criteria Applied	Marks available	Marks awarded
1. Design Development <i>Demonstration conceptual advancement</i>		
	20	
2. Design Product <i>Demonstration of design embodying functional resolution and compositional skills</i>		
	50	
3. Visual communication <i>Demonstration of engagement with diverse methods of communication and presentation</i>		
	15	
4. Verbal Communication <i>Demonstration of capacity for clear and engaging communication</i>		
	5	
5. Design Synthesis <i>Demonstration of synthesis of creative study</i>		
	10	

Assignment Mark (Assessment marks are subject to ratification at the Exam Board. These comments and marks are to give feedback on module work and are for guidance only until they are confirmed.)	Late Submission Penalties (tick if appropriate)		
	Up to one week late	40 %	
	Over one week late	0%	

Student Self Evaluation Form

Student name:		Student number:	P
Programme:		Year of programme	
Assignment Title:			

This section repeats in brief the common assessment criteria detailed on previous pages. The *extent* to which these are demonstrated by you determines your mark. Using these criteria, tick the box that best indicates the level of achievement you feel you have achieved with regard to each of them.

Assessment Criteria Applied	Level of Achievement						
	REFER		3 rd	2:2	2:1	1 st	1 st
	OUTRIGHT FAIL	UNSATISFACTORY	SATISFACTORY	GOOD	VERY GOOD	EXCELLENT	EXCEPTIONAL
1. Design Development	0-29% ☐	30-39% ☐	40-49% ☐	50-59% ☐	60-69% ☐	70-79% ☐	80-100% ☐
2. Design Product	0-29% ☐	30-39% ☐	40-49% ☐	50-59% ☐	60-69% ☐	70-79% ☐	80-100% ☐
3. Visual communication	0-29% ☐	30-39% ☐	40-49% ☐	50-59% ☐	60-69% ☐	70-79% ☐	80-100% ☐
4. Verbal Communication	0-29% ☐	30-39% ☐	40-49% ☐	50-59% ☐	60-69% ☐	70-79% ☐	80-100% ☐
5. Design Synthesis	0-29% ☐	30-39% ☐	40-49% ☐	50-59% ☐	60-69% ☐	70-79% ☐	80-100% ☐

PLEASE COMMENT ON AREAS IN WHICH YOU FEEL THAT YOU HAVE PERFORMED WELL	PLEASE COMMENT ON AREAS YOU FEEL THAT YOU NEED TO DEVELOP

Student's Name		Date	
Student's Signature			