London South Bank University

EST 1892

Module Guide

Design 203

EBB-5-509

BA[HONS] Architecture

FT2|PT3|L6 Architecture Apprenticeship

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1. MODULE DETAILS

Module Title:	Design 203
Module Level:	Level 5
Module Reference Number:	EBB-6-509
Credit Value:	20
Student Study Hours:	200
Contact Hours:	78 (Full time)
Private Study Hours:	122 (Full time)
Pre-requisite Learning (If applicable):	
Co-requisite Modules (If applicable):	
Course(s):	BA (Hons) Architecture L6 Architecture Apprenticeship
Year and Semester	FT2- PT3, L6 Architecture Apprenticeship Semester 2
Module Coordinator:	Todor Demirov
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Subject Area:	Architecture
Summary of Assessment Method:	Design Portfolio
External Examiner appointed for module:	Ben Cowd, De Montfort University, Melissa Clinch, Wilkinson Eyre

2. SHORT DESCRIPTION

Students are invited to engage in the comprehensive design of a public building, developing a architectural narrative and programme appropriate for the given context.

3. AIMS OF THE MODULE

The unit aims to build upon, extend and fully integrate the objectives set out in design units EBB-5-507 and EBB-5-508 into a comprehensive design project with an emphasis on exploring the relationship between concept, context, building technology and building resolution.

4. LEARNING OUTCOMES

4.1 Knowledge and Understanding

- **GC1** Ability to create architectural designs that satisfy both aesthetic and technical requirements:
  - GC 1.1 - prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief;
  - GC 1.2 - understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project;
  - GC 1.3 - develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user.

- **GC2** Adequate knowledge of the histories and theories of architecture and the related arts, technologies and human sciences:
  - GC 2.1 - the cultural, social and intellectual histories, theories and technologies that influence the design of buildings;
  - GC 2.2 - the influence of history and theory on the spatial, social, and technological aspects of architecture;
  - GC 2.3 - the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach.

- **GC3** Knowledge of the fine arts as an influence on the quality of architectural design:
  - GC 3.1 - how the theories, practices and technologies of the arts influence architectural design;
  - GC 3.2 - the creative application of the fine arts and their relevance and impact on architecture;
  - GC 3.3 - the creative application of such work to studio design projects, in terms of their conceptualisation and representation

- **GC4** Adequate knowledge of urban design, planning and the skills involved in the planning process:
  - GC 4.1 - theories of urban design and the planning of communities;
  - GC 4.2 - the influence of the design and development of cities, past and present on the contemporary built environment;
  - GC 4.3 - current planning policy and development control legislation, including social, environmental and economic aspects, and the relevance of these to design development.

- **GC5** Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale:
  - GC 5.1 - the needs and aspirations of building users;
  - GC 5.2 - the impact of buildings on the environment, and the precepts of sustainable design;
  - GC 5.3 - the way in which buildings fit into their local context.

- **GC6** Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors:
  - GC 6.1 - the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society;
  - GC 6.2 - the role of the architect within the design team and construction industry, recognising the importance of current methods and trends in the construction of the built environment;
  - GC 6.3 - the potential impact of building projects on existing and proposed communities.

- **GC7** Understanding of the methods of investigation and preparation of the brief for a design project:
  - GC 7.1 - the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals;
  - GC 7.2 - the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context;
  - GC 7.3 - the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation.

- **GC8** Understanding of the structural design, constructional and engineering problems associated with building design:
  - GC 8.1 - the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design;
  - GC 8.2 - strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques;
  - GC 8.3 - the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.

- **GC9** Adequate knowledge of physical problems and technologies and the function of buildings so as to provide them with internal conditions of comfort and protection against the climate, in the framework of sustainable development:
  - GC 9.1 - principles associated with designing optimum visual, thermal and acoustic environments;
  - GC 9.2 - systems for environmental comfort realised within relevant precepts of sustainable design;
  - GC 9.3 - strategies for building services, and ability to integrate these in a design project.

- **GC10** The necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations:
  - GC 10.1 - critically examine the financial factors implied in varying building types, constructional systems, and specification choices, and the impact of these on architectural design;
  - GC 10.2 - understand the cost control mechanisms which operate during the development of a project;
  - GC 10.3 - prepare designs that will meet building users' requirements and comply with UK legislation, appropriate performance standards and health and safety requirements.

4.2 Intellectual Skills

- The student will develop the conceptual and methodological basis for operating as a critical and reflective, self-directed designer working on increasingly complex proposals.
- The ability to use both analogue and digital media effectively as a primary communication method when presenting design proposals.

4.3 Practical Skills

- The student will be able to present materials sympathetic to the context, whilst also recognising the processes and techniques applied to architectural design and construction.
- The importance to the architect of developing a logical, defensible design thesis will be introduced, as well as the means and methodologies by which ideas are appraised, developed, and refined.

4.4 Transferable Skills

- The student will be able to use problem solving skills and professional judgement when making complex decision decisions within the boundaries of professional practice and academia.
- The ability to recognise their own learning needs and use initiative to develop their own professional education

5. ASSESSMENT OF THE MODULE

Design portfolio collating both group work and individual work.

6. FEEDBACK

Feedback will normally be given to students 15 working days after the final submission of an assignment or as advised by their module leader.
Feedback on the development of group and individual work will be given during studio design tutorials by the studio design staff. During interim and final crits students will be asked to pin up and present their work to tutors and fellow students. The work will be discussed and debated,

and advice given about the level of achievement. Written feedback will be given to the students within 15 working days of the final crit.
General feedback, applying to all students, will also be placed on the module VLE site within 15 working days.

7. INTRODUCTION TO STUDYING THE MODULE

7.1 Overview of the Main Content

Students investigate and analyse the given site and wider context by making and documenting both cultural and imperial readings of the environment. These readings, together with individual interpretations and development of a given programme into a coherent and fully formulated design brief, form the basis of a detailed architectural response, resulting in a typically medium sized public building including external spaces and fully resolved interiors

7.2 Overview of Types of Classes

Classes will be delivered through weekly group tutorials and seminars, supported by lectures and briefings. Students are expected to attend all studio teaching and crit days as part of their class contact time, and to engage with discussions and debates relating to the wider topic, not only to their own work. Some related project work may be undertaken in groups taught across both semesters in form of workshops and seminars, supported by lectures and tutorials.

7.3 Importance of Student Self-Managed Learning Time

Student responsibility in the learning and development process will be emphasised. Students are required to undertake directed self-study and prepare solutions/discussions to questions relative to various topic areas. Students will be encouraged to identify for themselves particular problems of difficulty and to use seminar discussions, where appropriate, for the resolution of these. Students must regularly access the Moodle site for this module. They should download the class/lecture material from the Moodle site, and do the recommended reading, before each lecture/class.
Where appropriate, students are also expected to download the relevant seminar questions and study them in advance of each seminar, in order to derive maximum benefit from seminar time. The programme of teaching, learning and assessment gives guidance on the textbook reading required for each week, the purpose of which is to encourage further reading both on and around the topic. Students are expected to contribute to the studio classes by debating and discussing the topics
under study. Students should use the discussions in studio classes and the learning resources provided to inform their work. During the group work students are expected to carry out analysis and research with other group members and to co-ordinate their findings into a coherent and cohesive group presentation. In the individual design work self-managed learning time is vital as the context for reflection, preparation and the exercise of individual initiative.

8. THE PROGRAMME OF TEACHING, LEARNING AND ASSESSMENT

The module is delivered through weekly group tutorials and seminars, supported by lectures and briefings. There will be presentation and critting of both group work, including analysis and research, and of the individual proposals, including design sketches, drawings and models. The programme of tutorials and crits will be set out in the detailed briefs. Students will submit the design portfolio for assessment as set out under item 5.0 above.

WEEK	TOPIC

28/01/20	**Tuesday** - All studios to issue Design 203 brief and discuss outline and outcomes of project with students. Any initial questions to be discussed as a group. **Thursday** – design studio tutorials. Verbal feedback on project from studio staff
04/01/20 06/01/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
11/02/20 13/02/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
18/02/20 20/02/20	**Tuesday & Thursday** - Interm presentation of project progress. All students to pin-up their work in the studio for feedback. Written feedback to be provided to all students that present
25/02/20 27/02/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
03/03/20 05/03/20	**Tuesday & Thursday** - Interim crit for Design 203 project. All students must pin-up and present their work for review with studio staff and colleagues. Written feedback will be given to all students that present their work. Digitial copies all all presentations to be sent to studio leaders for collation
10/03/20 12/03/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
17/03/20 19/03/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
24/03/20 26/03/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
31/03/20 02/04/20	**Tuesday & Thursday** - Interim crit for Design 203 project. All students must pin-up and present their work for review with studio staff and colleagues. Written feedback will be given to all students that present their work. Digitial copies all all presentations to be sent to studio leaders for collation
06/04/20	**Easter Break**
13/04/20	**Easter Break**
20/04/20	**Easter Break**
28/04/20 30/04/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
05/05/20 07/05/20	**Tuesday & Thursday** - Final crit for Design 203 project. All students must pin-up and present their work for review with studio staff and colleagues. Written feedback will be given to all students that present their work. Digitial copies all all presentations to be sent to studio leaders for collation
12/05/20 14/05/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
19/05/20 21/05/20	**Tuesday & Thursday** - Studio design tutorials both Tuesday and Thursday. Verbal feedback on project from studio staff
25/05/20	**All school review and internal moderation**
08/06/20	**All school external examiner interviews**
NS	All reading resources can be found in section 10. Learning Resources. Each studio will also provide specific reading lists for the respective studio projects

9. STUDENT EVALUATION

Students will be asked to provide feedback on the course by anonymously filling out and submitting the standard LSBU Module Evaluation Form.

10. LEARNING RESOURCES

Finding and referencing research material
Students are encouraged to make use of the academic resources to support their research. There is a list of resources, including Technical Indexes, British Standards Online, Business Source Complete and Science Direct on the Library subject support page for your subject area on MyLSBU.
Find your subject guide here https://libguides.lsbu.ac.uk/subjects/home
They can be accessed 24/7 from any location with your LSBU password and user name.

Support for students:

- Please use this address for all subject related library enquiries: askalibrarian@lsbu.ac.uk
- Online Booking appointments:

Students can book appointments lasting up to 30 minutes with an Information Skills Librarian. These will be available between:

Monday-Wednesday	9-12pm
Thursday	2-5pm
Friday	9-12pm

If you need help quickly, visit our drop-in Research Help Desk located on Level 3 Bridge in the Perry Library (open Monday-Friday 12:00-16:00 term time).
Students IT support:
The main student IT support desk is in the Perry Library on Level 1 East
For online IT support including passwords please go to:
https://libguides.lsbu.ac.uk/studentitsupport

For direct help please contact llr-ithelpdesk@lsbu.ac.uk

Reading List

10.1 Core Materials

- Workshops and model making spaces
- Computer labs and Learning Resources Centre
- University library

Unwin, S., 2010, *Twenty buildings every architect should understand*, Routledge: New York
Luescher, A., 2010, *The architect's portfolio: planning, design, production,* Routledge: New York
Buntrock, D., 2010, *Materials and meaning in contemporary Japanese architecture: tradition and today*, Routledge: London.
Shariff, Y., Tankard, J., 2010, *Towards a new architect: the guide for architecture students,* Architectural Press/Elsevier: Amsterdam.
Powers, A., 2009, *Aldington, Craig and Collinge: twentieth century architects*, English Heritage: London.
Unwin, S., 2014, *Analysing architecture,* 4th ed., Routledge: Abingdon.
Thomas, M., Penz, F., 2003, *Architecture of illusion: from motion pictures to navigable interactive environments,* Intellect: Bristol.

10.2 Optional Materials

A reading list will be included in the brief, which will be handed out at the beginning of the module.