

MODULE CODE: M6X01850
TITLE: Major Design Project
DATED: 28/08/2014

LEVEL: 6
CREDITS: 40

JACS CODE: K110

AIM(S)

- To provide students with an opportunity to apply and demonstrate, in a practical and vocational context, the knowledge and skills that they have acquired during previous and concurrent modules.

LEARNING OUTCOMES

Upon the successful completion of this module, the student should be able to demonstrate the ability to:

1. Apply design and creative skills in producing, presenting and justifying, in terms of financial, cultural and environmental value, proposals for new building designs and production drawings.
2. Utilise specialized skills and exercise significant judgment in presenting and communicating building designs through oral, graphical, CAD, model and textual media for exhibition purposes.

INDICATIVE CONTENT

- This module is student centred, to be based on a project of your choice. The project can either be defined by the Research Study Coordinator or be based upon an idea identified by the student. The scope and detail is to be agreed between the student and an initial supervisor; with initial ideas to be presented towards the end of Year 2. The student is responsible for undertaking initial research during the summer (obtaining site details, maps, etc.) and presenting these to the supervisor for discussion.
- Survey of site for a new building (or the extension or change in use of an existing building), and analysis of brief. The building will typically be a medium sized, 2-3 storey commercial or amenity building, for e.g. a visitor centre, new teaching facilities or a supermarket. It will also, typically be located on a sensitive and controversial site.
- Production of scheme design and final design for the new building. Oral presentation of design to clients.
- Alteration of design in response request from clients.
- Innovative design taking into account sustainability issues.

- Use of cost planning techniques to control cost of project.
- Production of selected production drawings, schedules details and specification for the design.
- Production of written report explaining decisions taken in producing the production drawings.
- Resolution of contract administration problems.
- Resolution of a conflict of interest problem involving advice to client on choice of procurement method.

LEARNING AND TEACHING STRATEGY

This module will have a strong 'hands-on' practical application; the teaching will be by demonstration and exercises. The students will be required to produce high quality examples of computer generated text, presentations and drawings.

A series of interim assessments (crits) will ensure students make regular progress and are able to take full advantage of the advice available.

The allocation of teaching to deliver the module is:

Activity type	Hours	Percentage
Scheduled learning	30	7.5
Independent learning	370	92.5
Placement learning	0	0
TOTAL	400	100%

ASSESSMENT

Assessment Component 1 – 90%

Coursework

Students will develop a full design project, with an accompanying report (max. words 3,000). You should develop a brief for your proposals, find out background information about the site and consider precedent. The following should be provided:

- A portfolio of drawings to production standard (these should include continuity of performance of the building fabric, accurate interpretation of the building design and good buildability)
- Details of a specification for an element of the building
- Schedule details
- Site plans / maps and background
- The report should outline the rationale of the fabric design and detailing of the building, issues related to the sensitivity of the site and justification of the materials and construction type chosen.

Assessment Component 2 – 10%

Oral Examination/Presentation

Academically argue, a viva voce, the proposed research investigation to an academic panel (15 minutes).

Assessment Summary

Activity type	Percentage
Written	0
Coursework	90
Practical	10
TOTAL	100%

BIBLIOGRAPHY

Essential

Chappell D and Willis A (2005) *The Architect in Practice*, 9th ed. Oxford: Blackwell Science

Foster JS & Greeno R (2007) *Structure and fabric*. Harlow: Pearson / Prentice Hall

Recommended

Franks J (1998) *Building Procurement Systems: A Client's Guide*, 3rd ed. Harlow: Longman

Ferry D J and Brandon P S (1999) *Cost Planning of Buildings*. Oxford: BSP Professional

Chappell D (1996) *Report Writing for Architects*. Oxford: Blackwell Scientific Aqua Group

Klimet SA (2006) *Writing for design professionals: a guide to writing successful proposals, letters, brochures, portfolios, reports, presentations and job applications for architects, engineers and interior designers*. New York; London: VW Norton

Galbraith A and Stockdale, M (2004) *Building and Land Management Law for Students*. Oxford: Butterworth-Heinemann Ltd.

Willis CJ & Willis JA (1997) *Specification writing for architects and surveyors*. Oxford: Blackwell Science

Background

Cox S and Hamilton A (1998) *Architects Handbook of Practice Management*. London: RIBA Publications

Journals

As advised by module leader

Websites

As advised by module leader