

Liverpool John Moores University

Title: Collaborative Project
Status: Definitive
Code: **4504IDS** (118306)
Version Start Date: 01-08-2011

Owning School/Faculty: Liverpool School of Art & Design
Teaching School/Faculty: Stockport College

| Team | Leader |
|---------------|--------|
| Jon Moorhouse | Y |

Academic Level: FHEQ4
Credit Value: 24.00
Total Delivered Hours: 76.00
Total Learning Hours: 240
Private Study: 164

Delivery Options

Course typically offered: Semester 2

| Component | Contact Hours |
|-----------|---------------|
| Lecture | 8.000 |
| Off Site | 4.000 |
| Practical | 50.000 |
| Seminar | 4.000 |
| Tutorial | 2.000 |
| Workshop | 8.000 |

Grading Basis: 40 %

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|-----------|-------------------|-------------|---------------|---------------|
| Artefacts | AS2 | | 75.0 | |
| Report | AS1 | | 25.0 | |

Aims

To demonstrate an ability to critically analyse and respond to the aesthetic and functional requirements of a design brief.

To demonstrate and work effectively within a team when solving problems set out in a

design brief.

Demonstrate an understanding of spatial awareness when planning layouts and when

producing a 3D model of a design.

Demonstrate an understanding of technologies and processes related to sustainable design and analyse and evaluate the outcomes.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an ability to critically analyse and respond to the aesthetic and functional requirements of a design brief.
- 2 Work effectively as part of a team when solving problems of a design brief.
- 3 Provide evidence of spatial awareness when planning layouts and producing 3D representations in the form of a model of your design.
- 4 Create a design which shows that you have an understanding of technologies and processes related to sustainable design and analyse and evaluate the outcomes.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

| | | | |
|----------|---|---|---|
| Artefact | 1 | 2 | 3 |
| Report | 4 | | |

Outline Syllabus

This module will give students opportunities to work collaboratively in teams when developing designs and evaluating work. A brief set by the industry will encourage the students to interact with professionals on a number of levels including solving problems, developing designs and sourcing materials and products. The students will be required to design a small scale eco pod for a client of their choice. Analysing spatial requirements forms the basis of this project; students will demonstrate spatial awareness when creating a design and test the design by building a 3D model using appropriate materials. Sustainable design will be explored and incorporated in students' own designs. Terms such as carbon neutral, energy efficiency and the use of renewables will be discussed. Students will be encouraged to research and develop an understanding of terminology relating to sustainable design to use when discussing design ideas.

Learning Activities

Students will be encouraged to work with others when developing design work. Critical analysis and evaluation will focus in this module, where students analyse and assess each others work to improve outcomes. Detailed planning and spatial awareness are promoted throughout and designs will be tested in 3D model making.

Sustainable technologies which are related to the design brief will be explored.

References

| | |
|------------------------|-----------------------------------|
| Course Material | Book |
| Author | Phillips, P. |
| Publishing Year | 2004 |
| Title | Creating the Perfect Design Brief |
| Subtitle | |
| Edition | |
| Publisher | Allworth Press |
| ISBN | |

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|------------------------|--|
| Course Material | Book |
| Author | Calkins, M. |
| Publishing Year | 2009 |
| Title | Materials for Sustainable Sites |
| Subtitle | A complete guide to the evaluation, selection, and use of sustainable construction materials |
| Edition | |
| Publisher | Wiley E Book |
| ISBN | |

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|------------------------|------------------------------|
| Course Material | Book |
| Author | Dunster, B. |
| Publishing Year | 2008 |
| Title | The Zed Book |
| Subtitle | |
| Edition | |
| Publisher | Abingdon: Taylor and Francis |
| ISBN | |

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|------------------------|-----------------------|
| Course Material | Book |
| Author | Schleifer, S. |
| Publishing Year | 2010 |
| Title | Cloud 9 |
| Subtitle | Roof Top Architecture |
| Edition | |
| Publisher | Loft Publications |
| ISBN | |

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|------------------------|------------|
| Course Material | Book |
| Author | Slavid, R. |
| Publishing Year | 2009 |
| Title | Micro |

| | |
|------------------|--------------------------|
| Subtitle | very small buildings |
| Edition | |
| Publisher | Laurence King Publishing |
| ISBN | |

| | |
|------------------------|---------------------|
| Course Material | Book |
| Author | Richardson, P. |
| Publishing Year | 2007 |
| Title | XS Small Structures |
| Subtitle | |
| Edition | |
| Publisher | Universe Books |
| ISBN | |

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|------------------------|-------------------------------|
| Course Material | Book |
| Author | Chan, Y. |
| Publishing Year | 2007 |
| Title | Small Environments |
| Subtitle | Contemporary Design in detail |
| Edition | |
| Publisher | Rockport |
| ISBN | |

Notes

This module enables the students to work on a design project set by the interior design industry to design an eco-pod. The students will decide on a client for their eco-pod and write a design brief outlining the function and requirements. There will be opportunities for students to work as part of a team whilst writing briefs, developing designs, solving problems and evaluating work. Specific requirements will be accommodated in intelligently planned spaces which will develop spatial awareness. Functionality and aesthetics are to be considered along with informed choices of materials which are fit for purpose. Practical model making and drawing skills will be developed to communicate design proposals. Technical skills will be tested during workshop practice and health and safety considered.

Skills:

- Brief writing
- Research
- Team work
- Knowledge of sustainable technologies
- Design methodology
- Basic skills in Autocad/Sketch Up
- Practical model making and workshop practice
- Presentation of 2D and 3D work