Liverpool John Moores University

Title:	INTRODUCTION TO CAD
Status:	Definitive
Code:	**4019BEHN** (102291)
Version Start Date:	01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	emplid	Leader
Aseel Hussien		Y

Academic Level:	FHEQ4	**Credit Value:**	12.00	**Total Delivered Hours:**	36.00
Total Learning Hours:	120	**Private Study:**	84		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Seminar	6.000
Workshop	30.000

Grading Basis: BTEC

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	project (design and drawings)	100.0	

Aims

To introduce and develop skills in computer aided design (CAD).
To produce two dimensional construction drawings using CAD packages.

Learning Outcomes

After completing the module the student should be able to:

1   Save, retrieve and printout to scale a drawing file using industry standard CAD

software.
2   Evaluate design and construction factors when producing construction drawings on CAD software.
3   Produce construction drawings related to a low rise domestic housing project, using CAD software.

Learning Outcomes of Assessments

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

REPORT   1   2   3

Outline Syllabus

Design issues and construction factors (technology) related to a domestic house. CAD Software: Loading or creating new drawings, saving drawing to appropriate folder/directory. Setting up system preferences, drawing scales, drawing sheet size, borders, title block. Use of zoom and pan commands, plotting and help system. Production of dimensioned floor plans: Use of construct and modify commands. Use of layer controls and convention. Use of level commands, status, set level, level copy, level move, freeze and thaw. Use of text and dimension commands, editing text and dimensions.

Learning Activities

Initially tutor-led seminars will introduce the design and software issues followed by student centred IT wokdshops, so students can apply the computer software on a PC terminal.

References

Course Material	Book
Author	Yarwood, A.
Publishing Year	1999
Title	An introduction to Autocad Lt for windows.
Subtitle	
Edition	
Publisher	Longman
ISBN	

Course Material	Book
Author	JMU (Current)
Publishing Year	0
Title	Built Environment IT Studies Resource Handouts.
Subtitle	

Edition	
Publisher	
ISBN	

Course Material	Book
Author	CIS (Current)
Publishing Year	0
Title	Liverpool Computer Information Services: Guides and Fact Sheets.
Subtitle	
Edition	
Publisher	
ISBN	

Notes

The module introduces students to computer aided design in a practical manner. Students require access to personal computers with appropriate software.