

Module Title:	Wood Craft and Model Making 2
Language of Instruction:	English
Credits:	5
NFQ Level:	6
Module Delivered In	2 programme(s)
Teaching & Learning Strategies:	Lectures Tutorials Private study
Module Aim:	The aims of the module are : (1) to provide students with a knowledge of and the techniques, methods and practices used in the model making and Geometry; (2) To introduce students to the practical aspects of Geometry and Model Making.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	To select, Identify and apply the correct material and process for Model Making
LO2	To develop and enhance the skill/art of sketching in proportion
LO3	To demonstrate the ability to reproduction of working drawings and scale drawings
LO4	To Use hand tools for the practical making of models.
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content

(1) Model Making

(a. choice of materials, b) Chipboard, plywood and MDF, c) softwood, d) Balsa wood, e) Cork, f) Mounting board, g) Kappa board: h) Model-making equipment, i) Oasis, j) Plastics, k) Perspex, • Model Making o Building a tower using newspapers o Building a roof truss using cardboard o Building beams using balsa wood.

(2) Sketching (Freehand)

a) Reasons for sketching b) Principal methods of sketching c) Produce correctly proportioned sketch drawings d) Sketching as a means of communication e) Graph/grid paper, freehand, use of set square and rolling ruler f) Application of method and achieving correct proportions

3) Introduction to Geometry

a) Use and thickness of lines and lettering b) Drawing techniques to draw angles and perpendiculars c) Geometrical techniques to bisect lines and angles d) Geometrical techniques to divide a line in ratio and proportion e) Drawing circles, parts of circles and tangents f) The use of lines to construct geometrical shapes g) Define angular measurement and types of angles h) Methods of constructing triangles.

4) Practical Work

Sample model making projects.

5) Introduction to Scale Drawing

a) Apply the principles of scale drawing b) Demonstrate the use of a scale rule, c) Concept of scale and subdivision of units d) Need for accuracy: scales 1:2,1:5,1:10,1:20,1:50,1:100

Assessment Breakdown	%
Project	40.00%
End of Module Formal Examination	60.00%

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	A number of small module related projects	1,2,3,4	40.00	n/a

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	1,2,3	60.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	2.00
Tutorial	12 Weeks per Stage	2.00
Estimated Learner Hours	12 Weeks per Stage	4.00
Total Hours		96.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CGSDC_B	Bachelor of Science (Honours) in Set Design and Construction	2	Mandatory
CW_CGSDC_D	Bachelor of Science in Set Design and Construction	2	Mandatory