



SAMPLE ASSESSMENT OUTLINE

BUILDING AND CONSTRUCTION
GENERAL YEAR 12

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Sample assessment outline

Building and Construction – General Year 12

Unit 3 and Unit 4

Assessment type and weighting	Assessment weighting	Duration	Assessment task
Design 20%	5%	Semester 1 Week 1–3	Introduction to the Unit and workshop Student orientation to the course and facilities Task 1: Structural design for a residential backyard project Design a structure to be constructed in a residential backyard; for example, cubby house, gazebo, garden arch, shade house
	3%	Semester 1 Week 4–5	Task 2: Drafting proposed structure Complete scaled working drawings Select materials Estimate quantities, costs and prepare materials lists Construction plan
	2%	Semester 1 Week 10	Task 5: Evaluation Evaluate finished scale model of a residential backyard design Evaluate finished design, materials list and construction proposal
	3%	Semester 2 Week 2–3	Task 10: Drafting exercises Complete a range of theoretical and practical activities to develop experience in drafting: orthogonal, geometry; plan reading and scaling
	5%	Semester 2 Week 4–5	Task 11: Integrated materials fabrication design project Design a project that uses a combination of materials from the syllabus OR Complete a design for a personal project that links together skills learnt
	2%	Semester 1 Week 15	Task 16: Evaluation Construction of integrated materials fabrication design project

Assessment type and weighting	Assessment weighting	Duration	Assessment task
Production 50%	5%	Semester 1 Week 6–9	Task 4: Construct a model of a residential backyard project OR Complete construction of a personal project that links together skills learnt
	5%	Semester 1 Week 10–15	Task 7: Building exercises Brick paving and bricklaying <ul style="list-style-type: none"> • identify and apply OSH rules and regulations relating to the use of materials and processes • theory worksheets • calculate quantities • site levelling • mixing mortar • construction of brick walls; rack and line blocks and corner • cleaning up • laying brick paving; running and stack bond patterns, and basket weave
	5%	Semester 1 Week 10–15	Task 8: Construction exercises Complete a range of practical and theoretical exercises incorporating a spectrum of construction materials, processes and techniques. <ul style="list-style-type: none"> • identify and apply OSH rules and regulations relating to the use of materials and processes • framing in construction • wall and floor tiling <ul style="list-style-type: none"> ▪ setting out, procedure and tool usage • surface preparation for painting • painting • fasteners display board
	5%	Semester 1 Week 10–15	Task 9: Fabrication exercises – welding Complete a series of practical exercises in the three types of welding: oxy, arc and MIG welding Present welds on a suitable display board
	10%	Semester 2 Week 6–9	Task 12: Construction of integrated materials fabrication design project Construct the design project combining different materials OR Complete construction of a personal project that links together skills learnt

Assessment type and weighting	Assessment weighting	Duration	Assessment task
	10%	Semester 2 Week 9–15	<p>Task 13: Building exercises Brick paving and bricklaying</p> <ul style="list-style-type: none"> • identify and apply OSH rules and regulations relating to the use of materials and processes • surface preparation • site levelling • brick paving stretcher pattern • laying and finishing paving • mixing mortar • calculate materials quantities • straight line bricklaying • cleaning up
	5%	Semester 2 Week 9–15	<p>Task 14: Construction exercises Complete a range of practical and theoretical exercises incorporating a spectrum of construction materials, processes and techniques</p> <ul style="list-style-type: none"> • identify and apply OSH rules and regulations relating to the use of materials and processes • timber framing in construction • different types of joining methods used in building and construction • sheet metal work, including bracing and strapping • non-licensed plumbing activities • surface preparation for finishing • apply a range of surface finishes • wall and floor tiling
	5%	Semester 2 Week 11–15	<p>Task 15: Fabrication exercises – MIG welding</p> <ul style="list-style-type: none"> • identify and apply OSH rules and regulations relating to the use of materials and processes • complete welding fabrication exercises from the following using light sheet metal and heavy plate/pipe <ul style="list-style-type: none"> ▪ MIG welding beads ▪ MIG butt weld ▪ MIG 'T' weld

Assessment type and weighting	Assessment weighting	Duration	Assessment task
Response 15%	3%	Semester 1 Week 6	<p>Task 3: Safety in the workshop, rules and regulations This task is compulsory and is to be completed prior to attempting any practical work. Activities:</p> <ul style="list-style-type: none"> • watch safety video • general safety aspects of workshop practice • complete SmartMove General module • complete Building and Construction SmartMove certificate
	5%	Semester 1 Week 9–11	<p>Task 6 Part A and Part B: Respond to environment and sustainability; structures and services Present a report on two of the three following topics:</p> <ul style="list-style-type: none"> • building insulation and its purpose • the types of energy (electrical, heat, mechanical) used during construction • recycling of building materials <p>Structure and services</p> <ul style="list-style-type: none"> • two-dimensional forces on trusses, frames and structural components • the provisions for the supply of: <ul style="list-style-type: none"> ▪ on-site gas, electric power, water, drainage and sewerage
	2%	Semester 2 Week 15	<p>Task 16: Evaluation of construction of Integrated materials fabrication design project</p> <ul style="list-style-type: none"> • evaluate the result of the project against design criteria using simple statements
	5%	Semester 2 Week 14–15	<p>Task 17: Assignment: Structures and services Identify</p> <ul style="list-style-type: none"> • correct building waste disposal • water and sewerage treatment • environmental impact of the disposal of waste, water and sewerage • different structures, structural components, joints and trusses • basic on-site water supply, drainage and sewerage provision
Externally set task	15%	Semester 1 Week 13	All students enrolled in the Building and Construction General Year 12 course will complete the externally set task developed by the Authority. Schools are required to administer this task in Term 2 at a time prescribed by the Authority
	100%		