



Australian Government

Department of Education, Employment and Workplace Relations

MEM19025A Create and present designs for jewellery and other 3D objects

Release: 1

MEM19025A Create and present designs for jewellery and other 3D objects

Modification History

Not applicable.

Unit Descriptor

This unit of competency covers the skills and knowledge required to apply creative processes to develop and present a jewellery or object design solution which responds to a specific design brief.

Application of the Unit

This unit applies to designers who are responsible for creating a jewellery or object design which meets specific client needs. The design solution must be developed and presented in a manner which confirms all features of the item.

Band A

Unit Weight 4

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

1	Prepare for design process	1.1	Identify and implement occupational health and safety (OH) and environmental requirements for carrying out the work and area
		1.2	Confirm design brief and parameters with client or relevant personnel
		1.3	Analyse jewellery or object design brief to determine implications for design process
		1.4	Develop work plan of activities which identifies and prioritises tasks
		1.5	Identify and collect required data
		1.6	Select and prepare appropriate media and equipment
2	Apply design processes to develop concepts	2.1	Conduct research to inform generation of ideas and design concepts for jewellery or object
		2.2	Complete drawings to develop ideas and gain perspectives for jewellery or object
		2.3	Develop design concepts with consideration to elements and constraints of design
		2.4	Consider a range of specialist jewellery and object products and apply to design concepts
		2.5	Apply knowledge of jewellery or object materials for the design concepts and determine most suitable options
		2.6	Apply creative processes to develop and refine jewellery or object concepts
3	Revise and refine design solution	Establish basic forms and proportions	
		3.1	Assess concepts for viability and adherence to design brief
		3.2	Discuss concepts with client or relevant personnel and integrate feedback
		3.3	Select and refine design solution
		3.4	Develop work plan of activities and design specifications
		3.5	Document design process

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| 4 | Document and present design solution | 4.1 | Prepare documentation and drawings of design solution to demonstrate features and specifications |
| | | 4.2 | Present design solution to client or relevant personnel and |
| | | 4.3 | Evaluate design process and outcomes to determine success design brief |

Required Skills and Knowledge

Required knowledge includes:

- research resources and techniques for investigating design information
- elements and principles of design as they relate to design of jewellery and objects
- working properties of jewellery materials
- methods of production for jewellery and objects
- design resources
- brainstorming and other idea generation techniques for research/idea development
- drawing media and their functions/applications, including paper, watercolours and pastels/inks/pencils
- computer drawing/design software (e.g. Photoshop, Illustrator and Indesign)
- form drawing development
- options available for drawing presentation
- enhancement techniques
- types of working drawings and their uses
- the interrelation between technical and design drawings
- hazard and control measures associated with preparing jewellery designs
- safe work practices

Required skills include:

- interpreting and clarifying a design brief
- identifying and collecting information necessary to create design concepts
- drawing
- developing and refining ideas
- applying principles and elements of design
- reading and interpreting information on specifications, design documentation, illustrations, design drawings and other applicable source documents
- identifying purpose and needs, including design considerations, item end use, proportions and desired features, and available materials
- checking and clarifying information
- developing research/idea to sufficient level in order to determine client expectations and/or design outcomes
- evaluating abstract and applied concepts/data
- collecting and collating data relevant to design
- communicating concepts in terms suitable to clients
- documenting and maintaining design process, features and design development notes
- producing basic form drawings that accurately reflect design concept
- using drawing and/or rendering techniques appropriately
- undertaking numerical operations, geometry and calculations within the scope of the unit

- carrying out work according to OHS practices

Evidence Guide

Overview of assessment	A person who demonstrates competency in this unit must be able to apply a range of creative processes to develop and refine design concepts and present a design solution which meets the parameters of a design brief.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Assessors must be satisfied that the candidate can competently and consistently: • implement OHS workplace procedures and practices • analyse a design brief and determine key parameters • apply creative processes to develop and refine design concepts • apply knowledge of materials and production processes to jewellery and object design • prepare and present design concepts to appeal to the specific needs of the intended audience • evaluate success of design in meeting design brief.
Context of and specific resources for assessment	• Assessment may occur on the job or in an appropriately simulated environment. Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices. • Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate ethnicity, age, gender, demographics and disability. • Access must be provided to appropriate learning and/or assessment support when required. Where applicable, physical resources should include equipment modified for people with disabilities.
Method of assessment	• Assessment must satisfy the endorsed Assessment Guidelines of the MEM05 Metal and Engineering Training Package. • Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge. • Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application. • Assessment may be applied under project-related conditions (real or simulated) and require evidence of process.

	• Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances. • Assessment may be in conjunction with assessment of other units of competency where required.
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Guidance information for assessment	Assessment processes and techniques must be culturally appropriate and appropriate to the language and literacy capacity of the candidate and the work being performed.
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Range Statement

Design features	Design features may include: • materials • dimensions • scale • special requirements • finish • texture • balance • contrast • composition • layers
Design parameters	Design parameters may include: • materials, stones and gems • colours • historical and cultural features • context • function • purpose • size and shape • cost
Specialist techniques	Specialist techniques may include: • anodising • patination • other surface treatments • enamelling • married metals • mokume gane • fusion • forging • stone setting • hollow forming
Creative processes	Creative processes may include:

	• drawing and illustration using manual or computer aided methods • application of specialist techniques • experimentation • manipulation • research • modelling • collaboration • brainstorming, lateral thinking, problem definition and problem solving
Appropriate personnel	Appropriate personnel may include: • supervisor • manager • trainer • mentor • teacher • team member
Design documents	Design documents may include: • sketches • illustrations • concept drawings • working drawings • technical/digital data • supporting information
Elements and principles of design	Elements and principles of design may include: • construction techniques • construction limitations of materials • drawing to scale for designs • form, function, line, balance colour, harmony, line definition (interpretive/actual), shape, mass, proportion, movement, texture, repetition, space, rhythm, contrast, composition and scale

Unit Sector(s)

Jewellery and horological

Custom Content Section

Not applicable.