



Australian Government

Department of Education, Employment and Workplace Relations

MEM19043A Oversee jewellery or object design production

Release: 1

MEM19043A Oversee jewellery or object design production

Modification History

Not applicable.

Unit Descriptor

This unit of competency covers the skills and knowledge required to manage the production of jewellery or objects to ensure they comply with design specifications and quality standards.

Application of the Unit

This unit applies to designers who are responsible for producing jewellery and object designs. This unit covers the management of the production process and the implementation of a prototype. It includes working with other specialists and industry suppliers to ensure that design specifications and intent are achieved in the final product. Production may be of one-off or mass produced items and be manufactured in-house or using external resources. This unit requires extensive skills and knowledge in jewellery and object design, materials and construction techniques. High level judgement is required in planning and selecting appropriate processes or procedures.

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 Select production processes | <ul style="list-style-type: none">1.1 Examine design brief and specifications to determine required production expertise and services for jewellery or object1.2 Establish quality and service criteria for production processes1.3 Research possible jewellery or object suppliers or manufacturers and select most suitable resources1.4 Confirm that production process meets organisational objectives and performance systems1.5 Document production brief and plan |
| 2 Brief production personnel | <ul style="list-style-type: none">2.1 Negotiate production arrangements and establish performance targets with key production personnel2.2 Assign tasks according to available expertise and production requirements2.3 Provide and explain jewellery or object design specifications, drawings, and all relevant information to production personnel2.4 Establish relevant technical, monitoring and reporting procedures |
| 3 Monitor production | <ul style="list-style-type: none">3.1 Maintain ongoing communication with personnel to ensure obligations, quality, timelines, budget and technical constraints are met3.2 Address problems and make production modification decisions as required3.3 Ensure production changes are documented and reflected in design documentation3.4 Monitor production activities to ensure compliance with occupational health and safety (OHS) practices |
| 4 Evaluate final product | <ul style="list-style-type: none">4.1 Collate and evaluate information on development process4.2 Assess jewellery or object outcome against specifications4.3 Assess production outcomes with personnel to review strengths and weaknesses of process4.4 Assess actual costs against projected costs and identify reasons for discrepancies4.5 Complete all production and design documentation to inform |

reproduction

Required Skills and Knowledge

Required knowledge includes:

- supply chain management
- outsourcing arrangements
- cost-benefit analysis methods
- research resources and techniques for investigating design information
- elements and principles of design as they relate to design of jewellery and objects
- jewellery designs (e.g. shanks, settings styles, shoulders and decorative finishes)
- working properties of jewellery materials
- methods of production for jewellery and objects
- design resources
- brainstorming and other idea generation techniques for research/idea development
- elements and principles of design, including form, harmony and line
- design considerations
- drawing media and their functions/applications, including paper, watercolours, pastels/inks/pencils
- drawing tools and their functions/applications, including stencils and rubbers
- design documentation
- 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:

- providing a design brief
- selecting production processes
- making decisions
- solving problems
- prioritising
- communicating effectively with personnel
- selecting, interpreting and applying procedures or processes
- preparing and presenting documentation and information
- sequencing operations
- meeting specifications
- clarifying and checking task-related information
- determining and assessing OHS practices for work
- reading and interpreting information on specifications, design documentation, illustrations, design drawings and other applicable source documents
- documenting and maintaining design process, features and design development notes

Evidence Guide

Overview of assessment	A person who demonstrates competency in this unit must be able to oversee the production of a range of jewellery or objects to design specifications and according to production criteria.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Assessors must be satisfied that the candidate can competently and consistently: • select and plan processes for production from designs • ensure production meets efficiency and quality standards • check compliance with specifications • communicate effectively with team members • solve production problems • monitor production progress and changes • monitor application of OHS practices in production operations • maintain accurate records.
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.
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.

Range Statement

Quality and service criteria for production	Quality and service criteria for production may include: • delivery • material quality • availability of resources • quality of components • standard of work • cost • timelines • capability of personnel • experience • specific expertise
Production arrangements	Production arrangements may include: • costs • timelines • quality standards • key personnel • materials • preferred processes, designs and techniques
Design documents	Design documents may include: • sketches • illustrations • concept drawings • working drawings • technical data • supporting information • specifications • production plans

Unit Sector(s)

Jewellery and horological

Custom Content Section

Not applicable.