



Australian Government

Department of Education, Employment and Workplace Relations

CUVACD515A Manage specialised finishing processes

Release: 1

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Modification History

Version	Comments
CUVACD515A	This version first released with <i>CUV11 Visual Arts, Craft and Design Training Package version 1.0</i>

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to safely manage a variety of specialised finishing processes in the context of independent creative practice.

Application of the Unit

Artists such as ceramicists, glass artists, sculptors, jewellers and others working with hard materials, apply the skills and knowledge in this unit. They must be able to safely manage the use of a variety of specialised finishing materials, and the operation of specialised finishing tools and equipment as part of an independent creative practice. They may also be responsible for the purchase of their materials or the purchase or construction of their tools and equipment.

At this level, work is carried out independently with mentoring and guidance available as required.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Element	Performance Criteria
<i>Elements describe the essential outcomes of a unit of competency.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</i>

Elements and Performance Criteria

1. Research options for finishing work	1.1 Assess the potential of <i>specialised finishing materials, tools and equipment</i> 1.2 Inform approach to specialised finishing through research of <i>historical and contemporary trends</i> 1.3 Evaluate the value and potential of purchasing own tools and equipment against the potential benefits of constructing own tools and equipment 1.4 Where appropriate, experiment with the building of own tools and equipment 1.5 Investigate the specific <i>safety issues</i> associated with specialised finishing techniques
2. Set up specialised finishing work space	2.1 Review <i>key requirements</i> for setting up specialised finishing tools and equipment 2.2 Confirm or create appropriate conditions before starting specialised finishing projects 2.3 Identify emerging or potential safety issues and take action to address them
3. Assess specialised finishing options	3.1 Determine the <i>specialised finishing options</i> for the work being made 3.2 Determine specific requirements for tools, equipment, materials and accessories 3.3 Research, adapt and use relevant ideas and approaches with consideration of <i>intellectual property requirements</i>
4. Apply specialised finishing techniques	4.1 Carry out <i>specialised finishing processes</i> according to safety and design requirements 4.2 Identify and resolve <i>technical problems</i> in the specialised finishing process 4.3 Make <i>modifications</i> to materials, tools and equipment as required 4.4 Liaise with others on technical and creative aspects of specialised finishing, including collaboration on specific challenges
5. Evaluate quality of finished work	5.1 Evaluate technical and aesthetic quality of finished objects 5.2 <i>Document</i> specialised finishing processes 5.3 Review documentation and evaluation to inform future work

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- communication skills to liaise with others about specialised finishing processes and challenges
- critical thinking and analytical skills to:
 - evaluate the needs of particular work projects to establish required materials, tools and equipment
 - research and evaluate historical and contemporary trends
- literacy skills to read technical data sheets, and tool and equipment manuals
- problem-solving skills to identify and resolve technical issues
- numeracy skills to estimate costs for specialised finishing processes
- self-management, planning and organising skills to:
 - evaluate needs of own practice in relation to specialised finishing
 - set up a specialised finishing work space
 - carry out specialised finishing projects
- technology skills to safely use specialised finishing materials, tools and equipment.

Required knowledge

- historical, contemporary and emerging trends in specialised finishing
- properties of and specifications for different specialised finishing materials, tools, equipment and accessories
- typical problems that occur in the specialised finishing process and how they may be resolved in the context of relevant materials and art forms
- characteristics of different materials when finished and the potential of these characteristics to achieve different effects
- cost and supply parameters for specialised finishing materials, tools, equipment and accessories in the context of professional practice
- sustainability issues associated with the materials, tools, equipment and accessories used in specialised finishing
- intellectual property issues and legislation associated with creative work
- types of technical and other data that may need to be stored for safety and other reasons
- organisational and legislative OHS procedures in relation to specialised finishing.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of the ability to: • apply safe work practices when using specialised finishing materials, tools and equipment • produce finished works that are technically sound and free from faults arising from the finishing process • operate tools and equipment independently • apply knowledge of specialised finishing materials, tools, equipment and accessories relevant to the material being finished.
Context of and specific resources for assessment	Assessment must ensure access to: • a safe work space for specialised finishing processes.
Method of assessment	A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit: • evaluation of work produced by the candidate in terms of its technical and aesthetic resolution • evaluation of the work documentation • direct observation of work in progress • written and/or oral questioning and discussion to assess knowledge and understanding and candidate's intentions and work outcome • review of portfolios of evidence • review of third-party reports from experienced practitioners. Assessment methods should closely reflect work place demands (e.g. literacy) and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties, such as speakers of languages other than English, remote communities and those with interrupted schooling).
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example: • CUVPRP503A Present a body of own creative work.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Specialised finishing materials, tools and equipment</i> may include:	• accessories for tools and equipment, including attachments for engraving, carving, grinding and polishing: • bits • cut-off wheels • abrasive wheels, discs, laps and belts from coarse to fine • polishing wheels, discs, laps and belts • general equipment: • compressor • sandblaster • extraction booth for spraying and extracting hazardous vapours • laminator • hand tools for: • carving • cutting • engraving • filing • grinding • painting • polishing • materials to be finished: • ceramics • glass • metal • plastics • stone • wood • materials used in the specialised finishing processes: • abrasives • adhesives etching acids • laminating film
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	• patinas • polishing compounds • resists • solvents • specialised paints and varnishes • specialised equipment for: • carving • cutting • drilling • grinding • polishing • spraying.
<i>Historical and contemporary trends</i> may relate to:	• architecture • awards and trophies • CAD/CAM and other digital technologies • ceramics • ceremonial art • contemporary art • furniture • glass art • installation • jewellery • lapidary • lighting • manufactured products • monumental masonry • sculpture • signage.
<i>Safety issues</i> may relate to:	• use of appropriate personal protective equipment (PPE) • good personal hygiene • knowledge of particular hazards related to: • respiratory system • eyes • skin • hearing • physiology • work area, including: • work space tidiness and cleanliness • storage and labelling of: • materials

	• hazardous materials: acids and solvents • tools and attachments • access to up-to-date material safety data sheets (MSDS) • ventilation • lighting • wet surfaces • electrical safety • noise • dust and airborne particles • acid vapours • sharp objects • work processes, including: • ergonomic safety • use of tools and equipment • use of materials.
Key requirements relate to:	• location of tools and equipment • space around equipment • ventilation • lighting • water supply • compressed air supply • electrical safety • cleaning aids • safety equipment, including PPE • storage of: • materials, including hazardous materials • tools and accessories.
Specialised finishing options may include:	• use of a single specialised finishing process • use of multiple specialised finishing processes • specialised finishing before and/or after the major forming process • specialised finishing at different stages of the making process.
Intellectual property requirements relate to:	• copyright laws • moral rights law • design licensing regulations • trademark regulations • protocols for adapting others' work.
Specialised finishing processes may include:	• acid etching • bevelling

	• carving • cutting • engraving • glue chipping • gluing • grinding • laminating • lathe work • painting • polishing • sandblasting • sandcarving • varnishing.
Technical problems may relate to:	• process problems, including: • chipping • cracking • fading • scratching • splitting • thermal shock • limitations of own technical skills and knowledge required for: • specialised finishing techniques • surface design development • limited availability of space for: • production of work, both making and specialised finishing • clean, dry and secure storage of work in progress • displaying finished results • other limitations, such as: • limited availability of or access to specialist tools and equipment • equipment and machinery breakdown.
Modification may include:	• use of alternative materials • safe adaptation of tools and equipment to suit particular requirements • use of alternative processes.
Documentation may include:	• photographs or videos of the working process • photographs of the finished work • catalogue information and prices for materials, tools and equipment used

	• log of time taken to complete the specialised finished project • cost of the project, including time and resources.
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Unit Sector(s)

Visual communication – art, craft and design

Custom Content Section

Not applicable.