



Australian Government

Department of Education, Employment and Workplace Relations

CUVPHI07A Process photoimages to work print_file stage

Release: 1

Modification History

Not Available

INTRODUCTION

UNIT DESCRIPTOR

This unit describes the skills and knowledge required to use techniques for image processing and focuses on technical aspects including chemical and electronic processes, sensitometry and optoelectronics. It is a specialisation unit and refers to specific equipment and techniques used for making photo work-print images. This work would usually be carried out under supervision.

Current photoimaging industry practice relies increasingly on digital imaging processes and this should be reflected in training and assessment of this unit. Analogue equipment and processes may be used to support this as appropriate to the specific context.

ELEMENT

- 1 Prepare work environment for analogue or digital processing
- 2 Process images by analogue or digital means
- 3 Test techniques to produce proof sheet(s)
- 4 Test techniques to make work-print(s) and screen images

PERFORMANCE CRITERIA

- 1.1 Select work environment which meets requirements for specific processing tasks
- 1.2 Care for work environment so that it remains clean and safe during the production of work
- 1.3 Correctly set up relevant equipment and materials/software for processing work
- 1.4 Adhere to codes of practice and safety requirements for the workplace
- 2.1 Download digital files or process film according to manufacturers or supplied specifications
- 2.2 Organise negatives or files into appropriate folders
- 2.3 Accurately document the work progress in accordance with workplace procedures
- 3.1 Select appropriate files or negatives
- 3.2 Apply the techniques required to produce analogue or digital proof sheets
- 4.1 Select images from the proof sheet(s) that match the concept/required outcome
- 4.2 Utilise enhancement and printing techniques to output work-print(s) or display and save on screen

- 5 Restore work environment and equipment
 - 5.1 Safely dismantle work area after use
 - 5.2 Minimise and clean up waste in accordance with safety requirements
 - 5.3 Clean and maintain equipment in accordance with manufacturer's instructions
 - 5.4 Store equipment in accordance with workplace procedures and ensure readiness for future use

RANGE STATEMENT

The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.

The work environment may mean:	• darkroom equipped with enlarger(s), film processing and developing requirements, appropriate lighting plumbing and safely installed and managed electrical cabling. • a digital context equipped with computer, scanner, printer and safely installed and managed electrical cabling, storage for software
Equipment may include:	• computer • monitor • film and flat bed scanners • output devices • digital camera • imaging applications • discs and digital media storage cards • enlarger(s) • timer(s) • relevant wet darkroom equipment
Materials may include:	• relevant chemicals for wet darkroom film processing and developing • a range of film types for black and white photography, colour transparencies or colour photography • storage folders • a range of light sensitive papers
Origins of images processed may include:	• gelatin silver based films from camera exposures • files from digital cameras • files created from scanned images – film negatives, prints or other subjects (flat bed scanned)
Folders for storage may include:	• negative sleeves/enclosures/folders • desktop folders, electronic media transfer/storage devices/CD and DVD
Safely means in accordance with Federal, State and Territory legislation, regulations and standards.	Documenting the work progress may involve: • visual diary • diagrams • recording procedures • folder of data sheets with notes

The concept may include:

- personal affinity with the technique
- ease of realisation
- the relationship of the work to traditions of photographic practice
- exploration of the elements and principles of design

The concept may include references to:

- the subject matter or theme for the image, eg the body; identity; land and place; political and/or cultural issues

Enhancement techniques may involve:

- dodging
- burning
- density
- contrast
- spotting and basic retouching
- digital (adjust levels/curves)
- digital (colour correction)
- using digital tool box functions
- using photo relevant menu

EVIDENCE GUIDE

Underpinning skills and knowledge

Assessment must include evidence of the following knowledge and skills:

- work space requirements for photoimaging, including set up of work space for particular types of work
- capabilities of digital and wet darkroom equipment and their applications
- characteristics of different materials (eg chemicals) under different treatments and the potential of these characteristics to achieve different effects
- copyright, moral rights and intellectual property issues and legislation associated with photoimaging work
- environmental issues associated with the equipment and materials used in photoimaging work
- organisational and legislative occupational health and safety procedures in relation to photoimaging work
- elements and principles of design and how these may be used, adapted for image processing
- traditions which inform photoimaging practice and how these may be used to inform own practice
- literacy skills sufficient to read and interpret technical data and labels
- numeracy skills sufficient to calculate/measure materials requirement and interpret technical data/charts/graphs

Linkages to other units

It is highly recommended that this unit be assessed in conjunction with:

- CUVPHI03A
 - Research and apply information on the traditions which inform photoimaging practice
- CUVPHI06A
 - Plan and carry out image capture in response to a brief
- CUVPHI08A
 - Enhance, manipulate and output photo images
- CUFSAF01B
 - Follow health safety and security procedures

This unit may be assessed in conjunction with:

- CUVPHI05A
 - Use a 35mm SLR camera or digital equivalent
- CUVCRS08A
 - Document the work progress
- CUVCRS14A

- Prepare, store and maintain finished work

Critical aspects of evidence

The following evidence is critical to the judgement of competence in this unit:

- production of multiple proof sheets/work prints/digital files which demonstrate the application of selected techniques consistent with concept/brief

Method and context of assessment

The assessment context must provide for:

- practical demonstration of skills using required equipment and materials for the production of proof sheets/work prints/digital files(s)
- presence of time constraints that reflect industry practice and standards

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

- evaluation of proof sheets/work prints/digital files produced by the candidate
- discussion and questioning about the candidate's intention and the work outcome
- written and verbal reports
- evaluation of work prints/files produced by the candidate
- review of portfolios of evidence
- third party workplace reports of performance by the candidate

Assessment methods should closely reflect workplace demands (eg literacy) and the needs of particular groups (eg 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).

Resource requirements

Assessment of this unit requires access to materials and all resources and equipment needed to safely process, and enhance analogue or digital photo-images and to safely store these images for future output.

KEY COMPETENCY LEVELS

Key competencies are built into all workplace competencies. The table below describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform

Level 2 = Administer and Manage

Level 3 = Design and Evaluate

Key competencies	Level	Examples
Collecting, organising and analysing information	1	Organising negatives or files into appropriate folders
Communicating ideas and information	1	Documenting the work progress
Planning and organising activities	2	Setting up equipment and materials for processing work
Working with others and in teams	1	Discussing work requirements
Using mathematical ideas and techniques	1	Organising/working with multiple work prints/files
Solving problems	2	Making adjustments to work to achieve outcomes
Using technology	1	Using wet darkroom or digital equipment