



Republic of Rwanda
Ministry of Education



RTB | RWANDA
TVET BOARD

MMPIE301 - IMAGES EDITING

**MMPIE301
EDIT IMAGES**

Competence

RQF Level: 3

Learning Hours



70

Credits: 7

Sector: ICT AND MULTIMEDIA

Trade: Multimedia Production

Module Type: Specific

Curriculum: ICTMMP3001-TVET Level 3 in Multimedia Production

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Issue Date: June 2022

Purpose statement	At the end of this module, the trainees will be equipped with necessary knowledge of digital imaging, skills, and attitudes for editing photo images, creating image composites and for organizing and exporting images.					
Delivery modality	Training delivery		100%	Assessment		Total 100%
	Theoretical content		30%	Formative assessment	30%	50%
	Practical work:		70%		70%	
	● Group project and presentation	20%				
	● Individual project /Work	50%				
			Summative Assessment		50%	

Elements of Competency and Performance Criteria

Elements of competence	Performance criteria
1. Prepare for image editing	1.1. Digital image features and formats have been correctly described in accordance with requirement
	1.2. Digital imaging tools have been properly selected according to the editing requirement
	1.3. Digital images have been properly organized according to the specified requirements
	1.4. Images have been captured effectively to meet output requirements
2. Edit photo images	2.1. Images document have been properly created, opened meet editing and output requirements
	2.2. Images have been effectively straightened, cropped and resized to meet specified requirements
	2.3. Images have been effectively enhanced to meet specified requirements
3. Create image composites	3.1. Photo collages have been effectively created using layers to meet specified requirements
	3.2. Selection and masking techniques have been applied to meet specified requirements
	3.3. Effects have been properly created to meet specified requirements

4. Export images	4.1. Images for website have been properly created according the specified requirements
	4.2. Images for social media platforms have been properly created according standardized sizes, formats and quality requirements
	4.3. Print-ready images have been properly exported according specified requirements
	4.4. Images have been effectively printed using an inkjet printer to meet the requirements

Course content

Learning outcomes	<p>At the end of the module the learner will be able to:</p> <ol style="list-style-type: none"> 1. Prepare for image editing 2. Edit photo images 3. Create image composites 4. Export images
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Learning outcome 1: Prepare for image editing	Learning hours: 8
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Indicative content

- **Digital image features and formats**
 - ✓ Digital image size and resolution
 - ✓ Raster and vector graphics
 - ✓ Image file formats
 - ✓ File size and image compression
 - ✓ Colour modes
 - ✚ RGB
 - ✚ CMYK
 - ✓ Colour properties
 - ✚ Hue
 - ✚ Tints
 - ✚ Tone
 - ✚ Shade
 - ✚ Value
- **Image editing tools**
 - ✓ Computer system Recommended specifications
 - ✚ Processor

- ✚ Operating systems
- ✚ RAM
- ✚ Storage
- ✚ Monitor resolution
- ✓ Image editing software features
 - ✚ Layer editing
 - ✚ Colour manipulation
 - ✚ Selection
 - ✚ Image transformation
 - ✚ Multiple formats support
 - ✚ Retouching tools
- **Organizing digital images**
 - ✓ Organizing images with folders
 - ✓ Using Adobe Bridge
 - ✓ File browsing
 - ✓ Metadata and keywords
 - ✓ Batch naming
 - ✓ Sorting and Ordering
 - ✓ Adding ratings and labels to images
 - ✓ Filtering images and creating collections
- **Capturing digital images**
 - ✓ Import image from a digital device
 - ✓ Using print screen/Screenshot
 - ✓ Saving image from website
 - ✓ Using a scanner to scan an image
 - ✚ Setting scanner resolution
 - ✚ Setting file format
 - ✚ Choosing a colour profile

Resources required for the learning outcome

Equipment	Computer and peripherals, Projector, Colour Inkjet printer, LaserJet Colour printer, Scanner, Digital camera
Materials	Papers, Internet access, Digital Photographs
Tools	Adobe Illustrator, Adobe Photoshop, Adobe Bridge
Facilitation techniques	<ul style="list-style-type: none"> ● Demonstration

& Learning activities	<ul style="list-style-type: none"> • Practical exercise • Trainer guided
Formative assessment methods	<ul style="list-style-type: none"> • Written assessment • Performance assessment

Learning outcome 2: Edit photo images	Learning hours: 25
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Indicative content

- **Creating and opening image documents**
 - ✓ Opening documents
 - ✚ Opening images into Photoshop
 - ✚ Opening an image from Bridge
 - ✓ Creating documents
 - ✚ Using The New Document Dialog box
 - ✚ Resizing images and adjusting resolution
 - ✓ Setting ruler and guides
 - ✓ Closing documents
 - ✓ Navigating Documents
 - ✚ Working with tabbed documents
 - ✚ Arrange multiple opened documents
 - ✚ Zooming techniques
 - ✓ Using the undo command
 - ✓ Using save and save as commands
- **Image straightening, cropping and resizing**
 - ✓ Whole-image transformations
 - ✓ Straightening an image
 - ✓ Using the crop tool
 - ✓ Resizing an image
- **Enhancing images**
 - ✓ Making basic image adjustments
 - ✚ Making auto adjustments
 - ✚ Adjust Brightness and contrast
 - ✚ Hue and saturation
 - ✚ Levels and curves
 - ✓ Retouching and healing

-  The cloning tool
-  The content aware tool
-  The spot healing brush
-  The healing brush
-  The patch tool

Resources required for the indicative content

Equipment	Computer and peripherals, Projector, Colour Inkjet printer, LaserJet Colour printer, Scanner, Digital camera, External storages
Materials	Papers, Colour printed materials, Internet access, Digital Photographs
Tools	Adobe Illustrator, Adobe Photoshop, Adobe Bridge
Facilitation techniques & Learning activities	<ul style="list-style-type: none"> • Demonstration • Practical exercise • Trainer guided
Formative assessment methods	<ul style="list-style-type: none"> • Written assessment • Performance assessment • Product based assessment

Indicative content

- **Using layers to creating photo collages**
 - ✓ Layer basics
 - ✓ Creating a new layer
 - ✓ Duplicating and moving layers in or form outside the document
 - ✓ Applying opacity
 - ✓ Adding and formatting text layers
 - ✓ Merging, Rasterizing and flattening layers
 - ✓ Blending modes and layer styles
- **Selection and Masking techniques**
 - ✓ Marquee and lasso tools
 - ✓ Quick selection tools
 - ✓ Combining selection tools
 - ✓ Making with the pen tool
 - ✓ Converting a selection into a layer mask
 - ✓ Using smart objects
- **Creating effects**
 - ✓ Matching composite perspective, luminosity and colours
 - ✓ Creating shadows
 - ✓ Applying noise and blur
 - ✓ Creating effects with blending modes

Resources required for the indicative content

Equipment	Computer and peripherals, Projector, Colour Inkjet printer, LaserJet Colour printer, Scanner, Digital camera, External storages
Materials	Papers, Colour printed materials, Internet access, Digital Photographs
Tools	Adobe Illustrator, Adobe Photoshop, Adobe Bridge
Facilitation techniques & Learning activities	<ul style="list-style-type: none"> ● Demonstration ● Practical exercise ● Trainer guided
Formative assessment methods	<ul style="list-style-type: none"> ● Written assessment ● Performance assessment ● Product based assessment

Indicative content

- **Creating images for web**
 - ✓ Web image formats
 - ✓ Web colour profiles
- **Creating images for social media platforms**
 - ✓ File formats supported
 - ✓ Image sizing guide for different platforms
 - ✓ Creating covers, profile, posts images for different platforms
- **Print read images**
 - ✓ Converting to CMYK for commercial reproduction printers
 - ✓ Flattening image
 - ✓ Printable file formats
- **Printing images with inkjet printer**
 - ✓ Selecting an inkjet printer
 - ✚ Dye and Pigment inks
 - ✚ Printer features
 - ✓ Choosing printing papers
 - ✚ Photo paper finishes
 - ✚ Photo paper sizes
 - ✓ Using the print dialog box

Resources required for the indicative content

Equipment	Computer and peripherals, Projector, Colour Inkjet printer, LaserJet Colour printer, Scanner, Digital camera, External storages
Materials	Papers, Colour printed materials, Internet access, Digital Photographs
Tools	Adobe Illustrator, Adobe Photoshop, Adobe Bridge
Facilitation techniques & Learning activities	<ul style="list-style-type: none"> ● Demonstration ● Practical exercise ● Trainer guided
Formative assessment methods	<ul style="list-style-type: none"> ● Written assessment ● Performance assessment ● Product based assessment

Integrated/Summative assessment

Integrated situation

UpLevel Fashion House is a fashion agency with its car Maker partner 1000 Hills Motors Ltd, both located in Nyarugenge Business Centre. They are planning to advertise in the monthly service magazine Irirashe. They have already had a photoshoot of their models on a studio background. You are given a work of selecting, editing 5 best pictures, and creating a photo composite of the models and car.

Resources

Tools

Equipment	Adobe Photoshop, Adobe Bridge, Computer, Monitor, Mouse, Keyboard, Scanner, Digital Camera, Desktop Printer
Materials/ Consumables	Sketchbook, Papers, Internet Access,

Assessable outcomes	Assessment criteria (Based on performance criteria)	Indicator	Observation		Marks allocation
			Yes	No	
Learning outcome 1: Prepare for image editing (20%)	1.1. Selecting digital imaging tools	Computer system specifications are identified			2
		Image editing software features are selected			2
	1.5. Organising digital images	Images are organised with folders			4
		Adobe Bridge is used			5
		Images are selected			5
	1.6. Capturing images	Images are imported from a digital device			2
Learning outcome 2: Edit photo images (30%)	2.1. Straightening, cropping and resizing images	Image is straightened			5
		Crop tool is used			6
		Image is resized			5
	2.2. Enhancing images	Basic image adjustments are made			6
		Retouching and healing are performed			8

Learning outcome 3: Create image composites (40%)	3.1. Applying selection and masking techniques	Selection tools are used			6
		Selection is converted into layer mask			5
		Smart objects are used			5
	3.2. Creating effects	Composite perspective, luminosity and colours are matched			8
		Shadows are created			8
		Blending modes are applied			8
Learning outcome 4: Export images (10%)	4.1. Creating images for website	Images for website are created			4
	4.2. Creating images for social media platforms	Image sizing guides for different platforms are considered			3
	4.3. Exporting print-ready images	Print-ready images are exported			3
Total marks					100
Percentage Weightage					100%
Minimum Passing line % (Aggregate): 70%					

References:

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