

# STANDARD KEMAHIRAN PEKERJAAN KEBANGSAAN (NATIONAL OCCUPATIONAL SKILLS STANDARD)

## PHOTOGRAPHY LEVEL 3



JABATAN PEMBANGUNAN KEMAHIRAN KEMENTERIAN SUMBER MANUSIA, MALAYSIA

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#### STANDARD PRACTICE

# NATIONAL OCCUPATIONAL SKILLS STANDARD (NOSS) FOR; PHOTOGRAPHY LEVEL 3

#### 1. INTRODUCTION

Photography is a field which can be defined as the art or the process of producing images of objects on photosensitive surfaces. In other words, photography also can be defined as a nonverbal communication through universal visual symbols which connects people through interests, locations, and cultures. On the other hand, photography is also essential to the advertising industry by newspapers, magazines, books, and television to convey information and advertise products and services. Photography is also widely used in education and training within the academic world, industry, and the armed services.

Photography divided into fields. can be manv Firstly. the Feature photography essentially involves telling a story in pictures and therefore requires knowledge of the subject. Feature Photographers cover an entire theme or subject with a set of photographs. The work is varied and leads to assignments at any time and in any place like that of photographing people at home or life in foreign parts or schools at work anything that makes a story. Photographers specialise in the photography of wildlife, sports travel and environment. They may work with news reporters or work as free lancers and take independent assignments on environment and wild life.2

Secondly, the Fashion photography as a career developed recently in India. It is an extremely creative and well paid profession. Most fashion photography is done by

<sup>&</sup>lt;sup>1</sup> Professional Photography +Definition. <u>12/07/2012</u>. Brooks Institute. Retrived from <a href="http://www.brooks.edu/photography/definition.asp">http://www.brooks.edu/photography/definition.asp</a>

<sup>&</sup>lt;sup>2</sup> Photography: Job Prospects & Career Options. 12/07/2012. Education and Carrer. Retrived from <a href="http://career.webindia123.com/career/options/media">http://career.webindia123.com/career/options/media</a> entertainment/photography/jobprospects.htm

specialist studios or freelancers who are commissioned by fashion houses or advertising agencies. They usually work under the direction of a fashion expert. The bulk of fashion photography is carried out in either Mumbai or Delhi and involves by highly sophisticated and well equipped studios by freelancers who are commissioned by fashion houses of advertising agencies. They can also find employment with fashion houses, designers, fashion journals and news papers.

Thirdly, the Nature and Wildlife Photography involves taking photographs of animals, birds, plants and landscapes. Meanwhile photos of rare species are in great demand of nature photographs, and widely used as motives for calendars or covers. Romantic sunsets, flowers, trees, lakes and waterfalls are interesting subjects for a nature photographer. Lastly, the Forensic Photography is of crime scene, and must be photographed from every angle clearly to show details with the emphasis on accurate recording, the size and distance of objects. They can find employment with law enforcement agencies, police, legal system and in the investigative services of the government and also private detective agencies.

Apparently, underwater photography is an action of taking photograph under the sea or water. Underwater photographs are usually taken while scuba diving, snorkelling and diving with the specialized equipment, techniques and diving license. It is a distinctly different technique from land photography. There are two types of underwater cameras as, amphibious and housed. The amphibious cameras used either underwater or land, although some lenses are for underwater use only which known as water contact lenses. The housed camera is being protected from the damaging effects of seawater by a waterproof enclosure. When the photographer dive into the sea, the camera can assist in documentation by recording what is seen. Furthermore, the visual data will assist in accurate description of the observed phenomena. Depth affects light and creates physiological considerations for the photographer. As a result, underwater photography requires an understanding of certain principles of light beneath the sea.

Aerial photography is a process of taking photograph above the surface of the earth by using of aircraft as, helicopter, fixed-wing airplanes, kite, hang gliders, parachutes, remote control airplanes, hot air balloons and blimps or unmanned aerial vehicle. Added, the aerial photographs are among the most important and commonly utilized kinds of remotely sensed images. There are two major types of aerial photographs such as, oblique photograph and vertical photograph. Oblique photograph can be divided into two as high oblique and low oblique. High oblique photograph taken with the camera inclined about 60° from the vertical which cover very large area and the low oblique photograph taken with the camera inclined about 30° from the vertical which cover relatively small area. However, vertical photographs are taken straight down. It is mainly used in photogrammetry and image interpretation. Pictures that will be used in photogrammetry are traditionally taken with special large format cameras with calibrated and documented geometric properties.

In addition, a camera no matter how many automatic features it may have is a lifeless piece of equipment until a photographer uses it. It becomes a uniquely responsive tool as an extension of the photographer's eye and mind. A photographer creates a picture by process of selection. Photographers may begin their career as an amateur and become experienced and professional photographers when they take advance courses. Photographer should acquire the technical knowledge which is needed in order to be a successful and professional photographer. There are many kinds of photographers such as, commercial photographers, portrait photographers, advertising photographers, fine art photographers and so on.

Finally, without a good foundation in the principle elements of photography, the resulting photograph will fall far short of its goal. A good photographer has

<sup>&</sup>lt;sup>3</sup> History - What is Photography? 12/07/2012. School Curiculum in Photography. Retrived from http://scphoto.com/html/history.html

willingness to learn a passion for his craft and ability to connect with the viewers by his photographs. A great photograph is the one which able to express the feeling with deepest sense about what is being captured.

Therefore, the National Occupational Skill Standard (NOSS) in the field of Photography is being developed for national and international industrial needs. Personnel who are interested to achieve skills and ability in photography could use this NOSS for his/her career development. This NOSS is also developed and will be reviewed from time to time according to the advancement of photography equipments and styles or current industrial needs.

#### **Pre-requisite**

Based on the workshop findings, it was decided that the minimum requirements for those who are interested to enrol course are as follows:

- 16 years of age or older.
- Good sense of colour and sight.
- Minimum academic qualification.
- Medically fit.

#### 2. OCCUPATIONAL STRUCTURE

Photography (Level 3) personnel comes under the sub-sector Photography. Fig. 1.0 and Fig.1.1 show the structured career path and area of Photography (Level 3) personnel.

The panel of experts had concluded that this job area starts from tier 3 due to requirement of vared work activities and performed in a variety of context, most of which are complex and non-routine. There is considerable responsibility and autonomy and control or guidance of others is often required. Where by some of the activities are non-routine and required individual responsibility and autonomy. To produce skilled workers in this industry, the needs for structures training are essential.

SECTOR	AR	T & CULTURE			
SUB	PHOTOGRAPHY				
SECTOR					
JOB	PHOTOGRAPHY				
AREA		PHOTOGRAPHY			
JOB					
LEVEL	Chief Photographer				
L5					
L4	Assistant Chief Photographer				
L3	Senior Photographer				
L2	Photographer				
L1	Assistant Photographer NA Assistant Photographer				

Fig. 1.0 Occupational Structure for Photography (Level 3) personnel

SECTOR	ART & CULTURE
SUB	PHOTOGRAPHY
SECTOR	
JOB	PHOTOGRAPHY
ARE	THOTOGRAFITI
JOB	
LEVEL	Photography
L5	Filotography
L4	Photography
L3	Photography
L2	NA
L1	NA

Fig. 1.1 Occupational Area Structure for Photography (Level 3) personnel

#### 3. DEFINITION OF COMPETENCY LEVEL

The NOSS is developed for various occupational areas. Candidates for certification must be assessed and trained at certain levels to substantiate competencies. Below is a guideline of each NOSS Level as defined by the Department of Skills Development, Ministry of Human Resources, Malaysia.

Malaysia Skills Certificate Level 1: Competent in performing a range of varied work

activities, most of which are routine and

predictable.

Malaysia Skills Certificate Level 2: Competent in performing a significant range of

varied work activities, performed in a variety of contexts. Some of the activities are non-routine and required individual responsibility and

autonomy.

Malaysia Skills Certificate Level 3: Competent in performing a broad range of varied

work activities, performed in a variety of contexts, most of which are complex and non-routine. There is considerable responsibility and autonomy and

control or guidance of others is often required.

Malaysia Skills Diploma Level 4: Competent in performing a broad range of

complex technical or professional work activities performed in a wide variety of contexts and with a substantial degree of personal responsibility and autonomy. Responsibility for the work of others

and allocation of resources is often present.

Malaysia Skills Advanced Diploma Competent in applying a significant range of

Level 5:

fundamental principles and complex techniques across a wide and often unpredictable variety of contexts. Very substantial personal autonomy and often significant responsibility for the work of others and for the allocation of substantial resources features strongly, as do personal accountabilities for analysis, diagnosis, planning, execution and

evaluation.

#### 4. MALAYSIAN SKILL CERTIFICATION

Candidates will be awarded with Malaysia Skills Certificate (SKM) for level 3 after being assessed, verified fulfilled the Malaysia Skills Certification requirements.

#### 5. JOB COMPETENCIES

A Photography Level 3 is competent in performing:

- Photography Pre-Production
- Photography Production
- Image Editing
- Photography Maintenance
- Photography Sales Service
- Remote Control Photography
- Scuba Diving

#### 6. WORKING CONDITIONS

Generally, the photographer will work under similar operating hours of the organization or company. They may involve in organizing extra training activities outside normal working hours. Normally they work in laboratories, workplaces or at the allocated sites. Most of the time, they are expected to work during weekends and certain gazetted public holidays. The photographers always must aware of new technologies on hardware and software applications along with the ICT world.

Working conditions for photographers are vary considerably depending on their specialty. Photographers employed in government and advertising agencies usually work a 5 days or about 40hour in a week. On the other hand, news photographers often work long hours, irregular hours and must be available to work on short notice. Besides, many photographers work part time or variable schedules. Added, the portrait photographers usually work in their own studios but also may travel to take photographs at the client's location, such as a school, a company office or a private

home. The news and commercial photographers frequently travel locally, stay overnight on assignments or travel to distant places for long periods.

On the other, a self-employment photographer allow for greater autonomy, freedom of expression, and flexible scheduling. However, income can be uncertain and continuous, time-consuming search for new clients can be beneficial. Some self-employed photographers hire assistants who help seek out new business.

Moreover, the working conditions may be uncomfortable, involving all weather conditions, remote locations or cramped studios. In certain fields of photography, such as documentary photography, work may also be dangerous, particularly when on assignment in war zones or unstable countries. In some areas of photography, working days and hours will be led by demand. For example, wedding photographers are likely to be at their busiest on Saturdays during the 'wedding season' and sports photographers will expect to work weekends and evenings to cover fixtures and events.

#### 7. EMPLOYMENT PROSPECTS

In employment prospects, photographers will face strong competition for most jobs due to reduced barriers to entry there will be many qualified candidates for relatively few positions. In addition, salaried jobs may be more difficult to obtain as companies increasingly contract with freelancers rather than hire their own photographers. Job prospects will be best for candidates who are multitalented and possess related skills such as picture editing and capturing digital video.

The employment for photographers between the years 2016 to 2017<sup>4</sup> is expected to grow moderately. Currently, unemployment for Photographers is high. Photographers are employed across several industries including the Professional,

<sup>&</sup>lt;sup>4</sup> Job Prospects. 12/07/2012. Job Outlook An Australian Government Initiative. Retrieved from http://joboutlook.gov.au/pages/occupation.aspx?code=2113&search=industry&Tab=prospects

Scientific and Technical Services; Arts and Recreation Services; Information Media and Telecommunications; and Construction. The vacancy level for photographers is low. The mix of industries employing photographers is very favorable for employment growth prospects.

Other related occupations/industries with respect to employment opportunities are:

- Aerial photographer
- Photojournalist
- Other Personal Services (Photo Finishing Services included)
- Craft and fine artists
- Desktop Publisher
- Fashion designers
- Film and Video Editors and Camera Operators
- Industrial designers
- · Graphic designers
- Printing workers
- Self-enrichment teachers

## 8. TRAINING, INDUSTRIAL/PROFESSINAL RECOGNITION, OTHER QUALIFICATIONS AND ADVANCEMENT

As for career advancement, most competent photographers learn and strengthen their skill on the job assignments. They usually begin as amateur photographers and gradually learn their skills as they gain more and new skills as they gain experience. Further certification may increase their chances of career development and accretion. Therefore, additional formal training/education and certification may lead these experience and competent photographers to become a certified senior photographer, assistant chief photographer and chief photographer.

#### 9. SOURCES OF ADDITIONAL INFORMATION

#### 9.1 Local

Ministry of Human Resources Malaysia

Level 6-9, Block D3, Parcel D,

Pusat Pentadbiran Kerajaan Persekutuan,

62530 Putrajaya,

Wilayah Persekutuan Putrajaya, Malaysia.

Tel: +603 8886 5000

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E-mail: ksm1@mohr.gov.my

Web: http://www.mohr.gov.my/

• Ministry of Unity, Culture, Arts and Heritage

Tingkat 16, 17, 26, 27, 29, 30, 34, 35 & 39,

Menara TH Perdana, Maju Junction 1001,

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Tel: +603 2612 7600

Fax: +603 2693 5114

E-mail: info@heritage.gov.my / webmaster@heritage.gov.my

Web: http://www.heritage.gov.my

National Culture and Arts Department

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1001, Jalan Sultan Ismail,

50694 Kuala Lumpur Malaysia

Tel: 03-2612 7600

Fax: 03-2697 5606

E-mail: kebudayaan@heritage.gov.my

Angkatan Senifoto Wilayah Persekutuan (ASFONWP)

No. 81, Jalan Enggang Timur, Taman Keramat,

54200 Kuala Lumpur,

Wilayah Persekutuan (KL)

Malaysia

Tel: 012-2977020

Malaysian Press Photographer Association(MPPA)

Email: mppapress@gmail.com

Web: http://www.mppapress.com/

#### 9.2 International

• British Institute of Professional Photography (BIPP)

The Coach House, The Firs, High Street,

Whitchurch, Aylesbury,

Buckinghamshire, HP22 4SJ

Tel: 01296 642020

Fax: 01296 641553

Email: info@bipp.com

Web:http://www.bipp.com

• Fédération Internationale de l'Art Photographique(FIAP)

The International Federation of Photography Art

Email: info@fiap.net

Web: www.fiap.net

• World Photography Organization (WPO)

9 Manchester Square, London,

WiU 3PL,

**United Kingdom** 

Web: http://www.worldphoto.org

#### 10. ACKNOWLEDGEMENT

The Director General of DSD would like to extend his gratitude to the organisations and individuals who have been involved in developing this standard.

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Web: http://www.dsd.gov.my

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Mobile: 019 - 3307557

Email: mohamad.hafiz@aswara.edu.my or mohafizam@gmail.com

Web: http://www.aswara.edu.my

# 11. COMMITTEE MEMBERS FOR DEVELOPMENT OF STANDARD PRACTICE (SP), COMPETENCY PROFILE CHART (CPC) AND COMPETENCY PROFILE (CP)

#### **PHOTOGRAPHY**

#### LEVEL 3

	EXPERT PANEL					
1.	Abas B. Hassan	Head of Academy/Photographer Akademi Fotografi Professional				
2.	Mohd Haidar Abu Bakar	Director/Photographer Visual Edge Sdn Bhd				
3.	Saiful Hasmadi	Manager/Photographer Studio Mediakreatif				
4.	Mohammad Naim Firdaus	Honourable Secretary/Photographer Malaysian Press Photographers Association (MPPA)				
5.	Aswad Bin Yahya	Photographer Utusan (M) Sdn Bhd				
6.	Ku Shahril B. Ku Ahmad	Manager/Photographer FB Mutiara Ent.				
7.	Zulhilmi Hafiz Zainal	Creative Director/Photographer Littlelab Media Sdn Bhd				
8.	Kamaruzaman Yaacob	Executive Marketing/Photographer BERNAMA				
9.	Mohd Saheh B. Mokhtar	Advisor of Academy/Photographer Akademi Fotografi Professional				
	FACILITATOR					
1.	Mohd. Khairullah B. Ab Manaf (Allahyarham)	Senior Training Consultant Idaman Jauhari Sdn Bhd				
	CO-FACILITATOR					
1.	Nurul Bt. Abdul Latif	Consultant Idaman Jauhari Sdn Bhd				

# 12. COMMITTEE MEMBERS FOR DEVELOPMENT OF CURRICULUM OF COMPETENCY UNIT (CoCu)

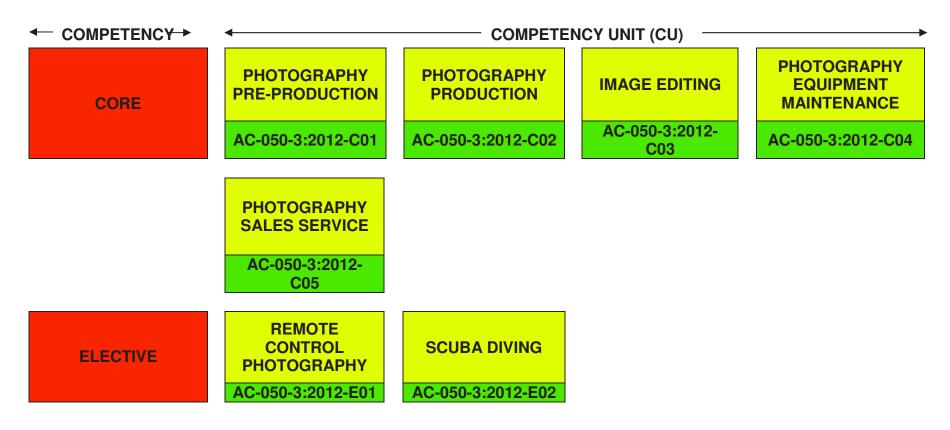
### **PHOTOGRAPHY**

#### LEVEL 3

	EVDEDT DANIEL					
	EXPERT PANEL					
1.	Abas B. Hassan	Head of Academy/Photographer				
L'.	Abao B. Haddan	Akademi Fotografi Professional				
2.	Mohd Haidar Abu Bakar	Director/Photographer				
		Visual Edge Sdn Bhd				
3.	Saiful Hasmadi	Manager/Photographer				
		Studio Mediakreatif				
4.	Mohammad Naim Firdaus	Honourable Secretary/Photographer Malaysian Press Photographers Association				
4.	Worlammad Nami i madus	(MPPA)				
_	A I D' Vala	Photographer				
5.	Aswad Bin Yahya	Utusan (M) Sdn Bhd				
6.	Ku Shahril B. Ku Ahmad	Manager/Photographer				
0.	Na Shanin B. Na Aninaa	FB Mutiara Ent.				
7.	Kamaruzaman Yaacob	Executive Marketing/Photographer				
	ramarazaman radoo	BERNAMA				
8.	Mohd Saheh B. Mokhtar	Advisor of Academy/Photographer				
		Akademi Fotografi Professional				
	F/	ACILITATOR				
1.	Monaliza Binti Katomon	Managing Consultant				
1.	Worlanza Diriti Natoriioii	Idaman Jauhari Sdn Bhd				
	CO-FACILITATOR					
1.	Nablan B. Yusoff	Principal Consultant/ Master Trainer				
1.	Nadiaii D. Tusoii	Idaman Jauhari Sdn Bhd				
2.	Nurul Bt. Abdul Latif	Consultant				
	. ta.a. bi. / toda! Latil	Idaman Jauhari Sdn Bhd				

#### **COMPETENCY PROFILE CHART (CPC)**

SECTOR	CULTURE & ART			
SUB SECTOR	PHOTOGRAPHY			
JOB AREA	PHOTOGRAPHY			
JOB LEVEL	THREE (3)	JOB AREA CODE	AC-050-3:2012	



## COMPETENCY PROFILE (CP)

Sub Sector	CULTURE & ART
Job Area	PHOTOGRAPHY
Level	THREE (3)

CU Title	CU Code	CU Descriptor	<b>CU Work Activities</b>	Performance Criteria
1. Photography Pre-	AC-050-	Pre-production is a process	1. Identify	1.1 Pre-production priority
Production	3:2012-C01	of preparing all elements	Photography Job	determined according to
		such as props, locations,	Order.	production needs.
		talents, equipment, safety,		1.2 Job order scope determined
		photography shoot and		based on instruction from
		photographers involves in		superior.
		photography production. At		1.3 Photography concept
		this stage finalizing of		determined based on
		photography production go		consultation with superior.
		into effect. Talents, props,		1.4 Photography work flow
		locations, equipment, safety,		determined
		shooting time and		1.5 Required photography
		photographers are set by the		equipment and props
		end of the pre-production.		determined based on

He or she is responsible to location inform identify job requirement 1.6 Shooting time
based on job order.  The person who competence in this CU title shall be able to prepare photography requirement, talents, props and shooting location.  The outcome of this competency is to ensure the photography preparation is well planned and met the job requirement.  Description of the photography preparation is well planned and met the job requirement.  Description of this determined based order.  1.7 Numbers of Planter or determined based order.  1.8 Photography concept and sign produced  2.1 Talents inform based on photography Shooting  2.2 Talents are set on photography 2.3 Talent release complied with policy.

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
			3. Prepare Props	<ul> <li>3.1 Props concepts determined based on work order.</li> <li>3.2 Props identified based on props concept.</li> <li>3.3 Shooting flow identified based on job order.</li> <li>3.4 Photography talent and props combination confirmed according to job order</li> <li>3.5 Props produced according to job order.</li> </ul>
			4. Recce Photography Location	<ul> <li>4.1 Shooting location identified based on job order</li> <li>4.2 Restricted location identified based on local authority rules and regulation.</li> <li>4.3 Shooting location confirmed based on environmental</li> </ul>

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
				factors  4.4 Logistics and accommodation arranged based on location information.  4.5 Number of crew identified based on location information.  4.6 Shooting cost estimated based on location information.  4.7 Shooting safety requirement identified according to Occupational Safety and Health Acts (OSHA).
			5. Prepare Photography Equipment	5.1 Photography equipment identified according to production requirement 5.2 Photography equipment

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
2. Photography Production	AC-050- 3:2012-C02	Photography Production is a process of creating durable image by recording light on image sensor. Typically, a lens is used to focus a light reflected or emitted from object into a real image on the light sensitive surface	1. Identify Photography Production Requirement	checklist prepared according to job requirement.  5.3 Photography equipment checked according to equipment checklist requirement.  5.4 Photography equipment arranged according to production requirement  5.5 Photography equipment checklist updated for reference  1.1 Photography equipment layout plan gathered for photography setup  1.2 Equipment identified based on production requirement.  1.3 Subject matter for photography production shooting identified based on

CU Title	CU Code	CU Descriptor	CU Work Activities		Performance Criteria
		inside a camera during a			job concept.
		timed exposure. As a result,		1.4	Props determined based on
		an electronic image is form			props concepts.
		by an electrical charge at		1.5	Photography production
		each pixel, which is			safety determined based on
		electronically processed and			company safety policy.
		stored in a digital image file		1.6	Permits application identified
		for subsequent display.			based on local authority
					rules and regulations
		He or she is the person who			information.
		captures images using		1.7	Written consent from private
		photography equipment and			property owner/authorised
		shooting techniques.			person obtained.
				1.8	Photography production
		The person who is competent			shooting facilities identified
		in this CU shall be able to			based on recce information.
		set-up photography		1.9	Contingency plan for
		equipment, props, shoot			photography production
		images and carry out			produced
		housekeeping.			

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
			3. Perform Photography Production Shoot	<ul> <li>3.1 Photography production subject confirmed based on overall job order.</li> <li>3.2 Actual photography shoot executed according to photography shooting technique.</li> <li>3.3 Production shot reviewed according to job requirement</li> <li>3.4 Shot images saved for editing</li> </ul>
			4. Perform Photography Production Housekeeping	<ul> <li>4.1 Equipment for shooting switched off</li> <li>4.2 Equipment cables and wires for shooting disconnected</li> <li>4.3 Equipment dismantled according to manufacturer manual.</li> </ul>

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
				4.4 Photography equipment
				packed and stored in safe
				condition
				4.5 Production props handled
				safely
				4.6 Production studio cleanliness
				checked
				4.7 Production shooting location
				restored according to actual
				condition
3. Image Editing	AC-050-	Image Editing is the process	1. Identify Image	1.1 Image output format
	3:2012-C03	of altering and manipulating	Editing	identified based on job
		images, whether there are	Requirement	order.
		digital photographs,		1.2 Image editing timeline
		traditional analog		identified based on job
		photographs (photo-		order.
		retouching), or illustrations.		1.3 Photography concept image
		There are primary tools and		identified based on work
		several techniques that can		order.
		be used to manipulate,		1.4 Image editing mode of

CU Title	CU Code	CU Descriptor	CU	Work Activities		Performance Criteria
		enhance, and transform				delivery identified based on
		images to meet photography				job order.
		requirement.			1.5	Image editing software
						selected based on image
		He or she is the person who				output.
		edits produced images using				
		selected image editing	2.	Back-Up Image	2.1	Storage media identified
		software and editing	۷.	Output		based on files size.
		technique.		Output	2.2	Numbers of back-up copies
						produced based on job
		The person who is competent				order.
		in this CU shall be able to			2.3	Back-up image filing carried
		back-up image output, edit				out
		image and control image				
		quality.	2	Edit Imaga	3.1	Images obtained for editing
			٥.	3. Edit Image	3.2	Images criterion identified
		The outcome of this				based on job concept.
		competency is to produce			3.3	Editing software selected in
		final edited images for				accordance with output
		printing.				requirement.

CU Title	CU Code	CU Descriptor	CU Work Activities		Performance Criteria
				3.5	Image editing technique applied. Photography finish product produced Photography finish product delivered
			4. Carry out Photography Image Quality Control	4.1 4.2 4.3	process analysed

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
4. Photography	AC-050-	Photography equipment	1. Identify	1.1 Types of Equipment
Equipment	3:2012-C04	maintenance involves fixing	Equipment	gathered
Maintenance		mechanical, electronic and	Faulty	1.2 Equipment functionality
		electrical device should it	·	checked
		become out of order or		1.3 Equipment faulty determined
		broken. It also includes		according to maintenance
		performing routine action		requirement
		which keeps photography		1.4 Equipment faulty segregated
		equipment in working order or		according to types of
		prevent trouble from arising.		maintenance
		All action which have the		
		objective of retaining or	2. Plan	2.1 Types of equipment faulty
		restoring an item in or to a	Photography	classified
		state in which it can perform	Equipment	2.2 Types of maintenance
		its required function.	Maintenance	identified
				2.3 Maintenance schedule

CU Title	CU Code	CU Descriptor	CU Work Activities		Performance Criteria
		He or she is the person who prepares and plans maintenance schedule.		3.1	prepared  Faulty aguinment gathered
		The person who is competent in this CU shall be able to identify kind of equipment's faulty, plan equipment maintenance and carry out equipment maintenance.	<ol> <li>Perform         Photography         Equipment         Maintenance     </li> </ol>	3.2	Faulty equipment gathered  Maintenance types selected  Photography equipment  maintenance executed  according to types of  equipment faulty
		The outcome of this competency is to ensure photography equipment in a good care for its future uses.		3.4	Photography equipment quality checked Photography equipment maintenance record prepared for reference
5. Photography Sales Service	AC-050- 3:2012-C05	Photography sales service is a series of activities designed to enhance the level of customer satisfaction in	Review Customer     Record	1.1 1.2 1.3	Types of customer identified Types of photography identified Customer requirement and

CU Title	CU Code	CU Descriptor	CU Work Activities		Performance Criteria
		which the product or service			enquiry clarified
		has met the customer			
		expectation.	2. Carry out Sales	2.1	Customer availability
			Service Meeting		confirmed
		He or she is the person who		2.2	Time and location
		meet customer based on			appointment confirmed
		appointment schedule.			according to customer
					requirement
		The person who is competent		2.3	Customer meeting agenda
		in this CU shall be able to			arranged according to sales
		review customer record, carry			and service requirement
		out sales service meeting and		2.4	Carry out customer's
		perform sales closing.			appointment confirmed
				2.5	Photography sales service
		The outcome of this			discussed
		competency is to get job			
		agreement and job contract	3. Perform Sales	3.1	Sales order assigned
		signed by customer.	Closing		according to customer
					requirement
				3.2	Types of photography

CU Title	CU Code	CU Descriptor	<b>CU Work Activities</b>	Performance Criteria
				confirmed according to
				customer requirement
				3.3 Purchase order received
				according to sales agreement
				3.4 Sales service report
				produced.
6. Remote control	AC-050-	Remote control photography	1. Identify Remote	1.1 Remote control equipment
Photography	3:2012-E01	is an activity to take photo	Control	determined according to
		using a camera that is hang	Photography	company's standard
		or attach on the control	Requirement	operating procedure
		devices such as helicopter,		1.2 Recee location determined
		boat, car and etc. The device		according to job requirement
		and camera are controlled		1.3 Safety requirement
		through remote controller and		determined according to job
		screen monitor to get best		requirement
		angle and photography shot.		1.4 Authorisation permits and
				private owner consent
		He or she is the person who		applied according to Jabatan
		monitor camera and control		Ukur & Pemetaan Malaysia
		device with remote control		(JUPEM)

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
		and screen monitor.		
			2. Setup Remote	2.1 Remote control equipment
		The person who is competent	Control Equipment	and camera prepared
		in this CU shall be able to		according to standard
		setup remote control		procedure
		equipment, shoot image		2.2 Remote control equipment
		using control device and		and camera setup according
		perform remote control		to job requirement
		equipment.		2.3 Test shot executed for actual
				shoot.
		The outcome of this		2.4 Test run executed for
		competency is to capture		emergency condition
		images in high, narrow or		
		spacious location for wildlife	3. Carry out Remote	3.1 Remote control path (way
		photo, commercial photo and	Control Shoot	point) determined according
		etc according to client's		to safe operation procedure
		requisition.		3.2 Shooting executed according
				to Photography shooting
				technique
				3.3 Photography composition

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
CU Title	CU Code	CU Descriptor	4. Carry out Remote Control Maintenance	identified according to job requirement  3.4 Review remote control photography images conducted according to job requirement  4.1 Remote control photography equipment serviced according to Maintenance schedule  4.2 Corrective maintenance executed according to minor faulty  4.3 Maintenance report produced for future reference
				4.4 Critical maintenance sent according to manufacturer's manual.

CU Title	CU Code	CU Descriptor	CU Work Activities	Performance Criteria
7. Scuba Diving	AC-050-	Scuba Diving is a form of	1. Plan Diving	1.1 Weather condition inspected
	3:2012-E02	underwater diving in which a		1.2 Survey dive site identified
		diver uses a scuba set to		according to job requirement
		breathe underwater. Scuba		1.3 Dive schedule identified
		diver usually moves around		according to job requirement
		underwater by using swim		1.4 Diving Duration/ time frame
		fins attached to the feet, but		determined according to job
		external propulsion can be		requirement
		provided by a diver		1.5 Diving equipment determined
		propulsion vehicle, or sled		according to job requirement
		pulled from the surface.		1.6 Diving licensed checked
				according to authorised
		The person who is competent		Scuba Diving school
		in this CU shall be able to		
		plan diving schedule, prepare	2. Prepare Diving	2.1 Types of diving equipment
		diving equipment, carry out	Equipment	identified according to job
		safe diving and repack diving		requirement
		equipment.		2.2 Diving equipment condition confirmed

# CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY
Job Area	PHOTOGRAPHY
Competency Unit Title	PHOTOGRAPHY PRE-PRODUCTION
Learning Outcome	This Photography Pre-Production competency unit is to provide the excellent and systematic preparation of the photography production. Upon completion of this competency unit, trainees will be able to:  Identify Photography Job Order  Search Talent for Photography Shooting  Prepare props  Recce photography location  Prepare photographic equipment
Competency Unit ID	AC-050-3:2012-C01 Level 3 Training Duration 760 hours Credit Hours 76 hours

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Identify     photography     job order.	<ul> <li>i. Production needs i.e.;</li> <li>Customer requirement</li> <li>Equipment</li> <li>Talents</li> <li>Props</li> <li>Location</li> <li>Etc.</li> <li>ii. Job order procedure</li> <li>Format</li> <li>Scope</li> <li>iii. Psychology of</li> </ul>			80 hours	Tutorial	<ul> <li>Pre-Production priority determined according to job requirement.</li> <li>Photography job order scope determined according to job requirement.</li> <li>Photography concept confirmed according to job requirement.</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	photography					Visualization sketch
	iv. Photography concept					produced according
	<ul> <li>Environmental</li> </ul>					to job requirement.
	<ul> <li>Portraiture</li> </ul>					<ul> <li>Photography work</li> </ul>
	<ul> <li>Retro</li> </ul>					flow sketched
	Mood					<ul> <li>Photography concept</li> </ul>
	<ul> <li>Happy</li> </ul>					and work flow
	<ul> <li>Sadness</li> </ul>					presented according
	<ul><li>Executive/</li></ul>					to job requirement.
	Corporate					<ul> <li>Required props</li> </ul>
	Gothic Style					determined
	Futuristic					according job
	<ul> <li>Contemporary</li> </ul>					requirement.
	Character					<ul> <li>Shooting location</li> </ul>
	Traditional					confirmed according
	Martial art					job requirement.
	Architecture form					<ul> <li>Shooting time-frame</li> </ul>
	Visual equivalence					set according to job
	Real Surrealism					requirement.
	Visual paradox					<ul> <li>Numbers of</li> </ul>
	Horror					photographers
	<ul><li>Fantasy</li></ul>					confirmed according
	Historical					to job requirement.
	Mystery					Photographic
	<ul><li>Mystery</li><li>Documentary</li></ul>					equipment
	Adventure					determined
						according to job
	Romance					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Urban					requirement.
	<ul> <li>Science fiction</li> </ul>					<ul> <li>Job order report</li> </ul>
	<ul> <li>Philosophical</li> </ul>					produced according
	<ul> <li>Political</li> </ul>					to job requirement.
	Action					
	Crime					
	v. Photography pre-					
	visualization sketch					
	<ul> <li>Sketch Drawing</li> </ul>					
	shooting areas					
	Sketch Floor Plan					
	Sketch Lighting					
	position					
	Sketch Camera					
	position					
	Sketch Subject and					
	Props					
	<ul> <li>Sketch Backdrops</li> </ul>					
	Sketch End Result					
	of shooting					
	vi. Estimation cost for					
	concept and sketches					
	vii. Sketch Medium					
	<ul> <li>Stationeries</li> </ul>					
	- Pen					
	- Paper					
	- Etc.					
	<ul> <li>Computer</li> </ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Drawing					
	Software					
	- Printer					
	- Etc.					
	viii. Camera Component;					
	<ul> <li>ISO Setting</li> </ul>					
	- Sensitivity					
	- Noise level					
	<ul> <li>Aperture</li> </ul>					
	- Depth of field					
	- Hyper focal					
	<ul> <li>Shutter Speed</li> </ul>					
	- Freeze Moment					
	- Motion Effect					
	- Flash					
	synchronization					
	<ul> <li>Exposure value</li> </ul>					
	<ul> <li>White balance</li> </ul>					
	- Day light					
	- Fluorescent					
	- Incandescent					
	- Flash					
	<ul> <li>Burst rate(Frame</li> </ul>					
	per second)					
	<ul> <li>File format</li> </ul>					
	- JPEG					
	- TIFF					
	- RAW					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Image file size					
	- Small					
	- Medium					
	- Large					
	<ul> <li>Types of Media</li> </ul>					
	Storage					
	<ul> <li>Compact flash</li> </ul>					
	- SD card					
	- XD card					
	- Micro SD card					
	- XQD card					
	- Memory stick					
	- Smart media					
	- Tube/External					
	Hardisk					
	- Server					
	- Storage Capacity					
	- Transfer rate					
	Camera Battery					
	<ul> <li>Camera Setting</li> </ul>					
	- Program					
	- Shutter priority					
	- Aperture priority					
	- Manual					
	<ul> <li>Camera Image</li> </ul>					
	sensor size;					
	- Full frame					
	- APS-C					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Four third					
	- 6x6					
	- 6x4.5					
	ix. Flash					
	<ul> <li>Flash Accessories</li> </ul>					
	- Slave Unit					
	<ul> <li>Optical</li> </ul>					
	<ul> <li>Electronic</li> </ul>					
	<ul><li>Infrared</li></ul>					
	<ul> <li>External battery</li> </ul>					
	pack					
	- Flash meter					
	○ Spot					
	<ul><li>Average</li></ul>					
	<ul> <li>Colour</li> </ul>					
	<ul><li>Types of flash;</li></ul>					
	- Portable					
	<ul> <li>Battery</li> </ul>					
	operated					
	<ul> <li>Main supply</li> </ul>					
	■ Studio					
	■ Ring flash					
	<ul> <li>Flash specification</li> </ul>					
	<ul> <li>Synchronization</li> </ul>					
	<ul> <li>Guide number</li> </ul>					
	<ul> <li>Flash metering</li> </ul>					
	system					
	o TTL					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	o E-TTL					
	<ul> <li>Flash output</li> </ul>					
	sensor					
	<ul> <li>Optical sensor</li> </ul>					
	<ul> <li>Electronic sensor</li> </ul>					
	<ul> <li>Flash recycling</li> </ul>					
	rate					
	<ul> <li>Connectors</li> </ul>					
	<ul> <li>Types of battery</li> </ul>					
	∘Rechargeable					
	■ NiCD					
	■ NiMH					
	<ul><li>Lithium Ion</li></ul>					
	<ul><li>Alkaline</li></ul>					
	x. Photography					
	Equipment					
	<ul><li>Camera</li></ul>					
	<ul> <li>Medium format</li> </ul>					
	- DSLR					
	<ul> <li>Prosumer /Mirror</li> </ul>					
	less					
	<ul> <li>Extreme spot</li> </ul>					
	<ul><li>Lenses</li></ul>					
	<ul> <li>Super wide angle</li> </ul>					
	<ul> <li>Wide angle</li> </ul>					
	- Standard					
	- Mid tele					
	<ul> <li>Portrait lens</li> </ul>					
	- Tele					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Macro					
	<ul> <li>Perspective lens</li> </ul>					
	(Tilt & Shift)					
	- Fish eye					
	<ul> <li>Zoom lens</li> </ul>					
	<ul> <li>Extension tubes</li> </ul>					
	- Extension					
	bellows					
	<ul><li>Lens filter</li></ul>					
	<ul> <li>Circular polariser</li> </ul>					
	<ul> <li>Neutral density</li> </ul>					
	- Gradual					
	- UV					
	<ul> <li>Skylight filter</li> </ul>					
	- Soft filter					
	<ul> <li>Colour correction</li> </ul>					
	filter					
	- Star burst					
	<ul> <li>Centre spot filter</li> </ul>					
	<ul> <li>Close-up filter</li> </ul>					
	<ul> <li>Remote shutter</li> </ul>					
	- release					
	<ul> <li>Filter holder</li> </ul>					
	<ul><li>Power supply</li></ul>					
	<ul> <li>Main supply</li> </ul>					
	- Battery					
	- Generator					
	<ul> <li>Lighting Accessories</li> </ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Beauty dish					
	- Umbrella					
	<ul> <li>Soft box</li> </ul>					
	- Snoot					
	<ul> <li>reflector</li> </ul>					
	<ul> <li>Barn door</li> </ul>					
	- Honeycomb					
	<ul> <li>Colour gel</li> </ul>					
	- Diffuser					
	<ul> <li>Colour meter</li> </ul>					
	<ul> <li>Light meter</li> </ul>					
	<ul> <li>Slave unit</li> </ul>					
	<ul> <li>Optical</li> </ul>					
	<ul> <li>Electronic</li> </ul>					
	<ul><li>Infrared</li></ul>					
	<ul> <li>Lighting stand</li> </ul>					
	<ul> <li>Backdrop stand</li> </ul>					
	<ul> <li>Battery grip</li> </ul>					
	<ul> <li>Camera strap</li> </ul>					
	- Neck strap					
	- Hand strap					
	<ul><li>Studio Ladder</li></ul>					
	<ul> <li>Camera and</li> </ul>					
	lenses case					
	- Hard case					
	- Soft case					
	<ul><li>Accessories;</li></ul>					
	- Card reader					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Dry box					
	- Humidifier					
	<ul> <li>compartment</li> </ul>					
	<ul> <li>Humidifier meter</li> </ul>					
	<ul> <li>Filter opener</li> </ul>					
	- Blower					
	- Backdrops					
	<ul><li>Paper</li></ul>					
	○ Fabric					
	<ul> <li>Cleaning kits;</li> </ul>					
	<ul><li>Blower</li></ul>					
	o Brush					
	<ul> <li>Lens cleaning</li> </ul>					
	solution					
	<ul> <li>Micro fiber cloth</li> </ul>					
	<ul> <li>Cotton bud</li> </ul>					
	<ul><li>Silica gel</li></ul>					
	<ul><li>Lens tissue</li></ul>					
	- Tool box					
	<ul><li>Cutter</li></ul>					
	<ul><li>Test pen</li></ul>					
	<ul><li>Pliers</li></ul>					
	o Pins					
	<ul> <li>Masking tape</li> </ul>					
	<ul> <li>Measuring tape</li> </ul>					
	<ul> <li>Fishing line</li> </ul>					
	<ul> <li>Modelling</li> </ul>					
	clay(blue tack)					
	<ul><li>Scissors</li></ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>Crocodile clip</li> </ul>					
	<ul> <li>Safety glove</li> </ul>					
	<ul> <li>Adjustable</li> </ul>					
	spanner					
	<ul> <li>Insulation tape</li> </ul>					
	<ul><li>Allen keys</li></ul>					
	<ul> <li>Dust-off spray</li> </ul>					
	<ul><li>Matt spray</li></ul>					
	<ul> <li>Tracing paper</li> </ul>					
	<ul> <li>Aluminium foil</li> </ul>					
	- Photographic					
	equipment storage;					
	<ul> <li>Soft case</li> </ul>					
	○ Hard case					
	- Camera Stand					
	○ Size					
	<ul> <li>Types of locking</li> </ul>					
	<ul><li>Clip locking</li></ul>					
	<ul><li>Screw locking</li></ul>					
	<ul><li>Types of Tripod/</li></ul>					
	Monopod					
	head					
	■ Ball					
	■ Three way					
	locking					
	■ Support					
	bracket(Telep					
	hoto)					
	<ul><li>Tripod/</li></ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Monopod					
	Grip					
	<ul> <li>Camera hand-</li> </ul>					
	Grip					
	<ul> <li>Camera stand</li> </ul>					
	Material					
	∘ Tripod/					
	monopod					
	foot					
	■Suction cup					
	<b>-</b> Spike					
	■Rubber					
	xi. Props requirement					
	xii. Shooting location					
	<ul> <li>Geography</li> </ul>					
	<ul> <li>Elevation/ Depth</li> </ul>					
	/topography					
	<ul><li>Latitude</li></ul>					
	<ul> <li>Longitude</li> </ul>					
	<ul><li>Coordinate</li></ul>					
	<ul> <li>Compass Position</li> </ul>					
	<ul> <li>Surrounding</li> </ul>					
	Weather					
	<ul> <li>Festive season</li> </ul>					
	xiii. Accessibility Shooting					
	time-frame					
	xiv. Numbers of					
	photographer					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		i. Identify Pre- production priority.  ii. Select Pre- production priority.  iii. Identify photography job order scope iv. Select photography job order scope v. Identify Photography concept vi. Identify sketch medium vii. Select sketch medium viii. Identify pre- visualisation sketch ix. Select pre- visualisation sketch x. Identify photography	i. Resourceful of photography equipment ii. Resourceful of camera component iii. Resourceful of photography concept and areas	240 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		concept and work				
		flow costing				
		xi. Identify required				
		props				
		xii. Pick required				
		props				
		xiii. Identify				
		photography				
		shooting location				
		xiv. Select				
		photography				
		shooting location				
		xv. Identify				
		photography				
		shooting time-				
		frame				
		xvi. Select				
		photography				
		shooting time-				
		frame				
		kvii. Identify numbers				
		of photographer viii. Select numbers				
	ľ					
		of photographer xix. Identify camera				
		component				
		xx. Determine				
		camera				
		component				
		сотпропени				

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		xxi. Identify photographic equipment xxii. Check photographic equipment xxiii. Select photographic equipment				
2. Search Talent for Photography Shooting	<ul> <li>i. Source of talents;</li> <li>Talent Agency</li> <li>Media     Advertisement</li> <li>Talent Scout</li> <li>Talent file/list</li> <li>ii. Talent requirement</li> <li>Personal Attributes; <ul> <li>Size</li> <li>Height</li> <li>Hair</li> <li>Skin tone</li> <li>Age</li> <li>Gender</li> <li>Ethnic</li> <li>Eye Colour</li> </ul> </li> <li>Psychography</li> <li>Culture</li> </ul>			20 hours	Tutorial	<ul> <li>Source of talents         determined         according to job         order.</li> <li>Talent's folio         compiled according         to talent requirement.</li> <li>Talent/model release         contract produced</li> </ul>

Work Activities	Related Knowledge		Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- Values						
	- Attitudes						
	<ul><li>Interest</li><li>Lifestyle</li></ul>						
	- Lilestyle - Character						
	- Popularity						
	iii. Talent/Model release						
	contract i.e.;						
	<ul> <li>Copyright</li> </ul>						
	<ul> <li>Duration / validation</li> </ul>						
	<ul> <li>Numbers circulation</li> </ul>						
	<ul> <li>Regionality</li> </ul>						
	<ul> <li>Printed size</li> </ul>						
	<ul><li>Usage</li></ul>						
	- Publish						
	- Republished						
	• Etc.						
		i.	Identify talent	i. Resourceful of	20 hours	Practical/	
			requirement	job order		Project	
			according to job order	ii. Interpersonal skill		Assignment/ Case Study/	
		ii.	Identify source of	iii. Communication		Demonstration	
		"-	talents	skill		Domonstration	
		iii.	Choose source	iv. Follow			
			of talents	photography			
		iv.	Select talent	working ethics			
			according to job	v. Meticulous in			
			order	talent's selection			

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		v. Request folio from selected talents vi. Interpret talent/model release contract vii. Apply talent/model release contract • Copyright • Duration / validation • Numbers circulation • Regionality • Printed size • Usage - Publish - Republished • Etc.				
3. Prepare Props	<ul> <li>i. Props concepts</li> <li>ii. Source of Props</li> <li>• Buy props</li> <li>• Rent props</li> <li>• Existing props</li> <li>• 2D</li> <li>• 3D</li> <li>iii. Usage of props</li> </ul>			80 hours	Tutorial	<ul> <li>Props concept determined</li> <li>Source of Props confirmed according to job order.</li> <li>Usage of props duration determined according to job</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	duration  • Long term usage • Short term usage iv. Types of props • Replica / dummy • Actual v. Size of props vi. Shooting flow vii. Props cost estimation viii. Photography subject • Human • Nature • Building • Etc. ix. Motive of photography • Purpose • Idea / Objective • Physical of props - Size - Colour - Material - Availability - Etc. ii. Function of props according to element of arts • Lines					order. Types of props confirmed according to job order. Size of props confirmed according to job requirement. Props list determined based on work order. Props cost estimation determined according to job order. Photography subject chosen according to job requirement. Photography subject determined according to job requirement. Photography motive determined according to job requirement. Photography motive determined according to job order Photography areas

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>Form</li> <li>Patterns</li> <li>Colours</li> <li>Moods</li> <li>Textures</li> <li>Framing</li> <li>iii. Photography composition</li> <li>Rule of third</li> <li>Centre of interest</li> <li>Orientation</li> <li>Arrangement of content</li> <li>Perspective of camera and lenses</li> <li>S Curve, C Curve</li> <li>Golden ratio / Golden mean / Divine Proportion</li> <li>Entry point</li> <li>Eye Movement</li> <li>Diagonal Line</li> <li>Vertical Line</li> <li>Balancing</li> <li>Framing</li> <li>Concentric Geometric</li> </ul>					<ul> <li>job order.</li> <li>Props function determined according to job order.</li> <li>Photography composition chosen according to job order.</li> <li>Types of shots chosen according to job requirement.</li> <li>Photography orientation determined according to job requirement.</li> <li>Mood of photography chosen according to job requirement.</li> <li>Lighting chosen according to job order.</li> <li>Props setup according to job requirement.</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	patterns					
	<ul> <li>Pattern</li> </ul>					
	<ul><li>Texture</li></ul>					
	v. Types of shots					
	<ul> <li>360 degree shot</li> </ul>					
	<ul> <li>Fish eye shot</li> </ul>					
	<ul><li>Wide shot</li></ul>					
	- Super wide shot					
	- Wide shot					
	<ul> <li>Mid shot</li> </ul>					
	<ul> <li>Closed-ups shot</li> </ul>					
	- Tele					
	- Micro					
	- Macro					
	• Tele					
	- Medium-tele shot					
	- Super-tele shot					
	<ul> <li>Single shot</li> </ul>					
	<ul> <li>Continuous shot</li> </ul>					
	<ul> <li>Multiple shot</li> </ul>					
	<ul> <li>Sequence shot</li> </ul>					
	iv. Photography Orientation					
	<ul> <li>Landscape</li> </ul>					
	<ul><li>Portraiture</li></ul>					
	v. Mood of photography					
	<ul><li>Action</li></ul>					
	<ul><li>Comedy</li></ul>					
	• Warm					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	• Cool					
	<ul><li>Mystery</li></ul>					
	<ul> <li>Sadness</li> </ul>					
	<ul> <li>Happy</li> </ul>					
	<ul><li>Excitement</li></ul>					
	<ul> <li>Surprise</li> </ul>					
	<ul><li>Empathy</li></ul>					
	<ul><li>Sympathy</li></ul>					
	<ul><li>Passion</li></ul>					
	<ul><li>Contrast</li></ul>					
	<ul> <li>Conflict</li> </ul>					
	<ul> <li>Surrealism</li> </ul>					
	<ul> <li>Realism</li> </ul>					
	<ul> <li>Expressionism</li> </ul>					
	<ul> <li>Fantasy</li> </ul>					
	• Colour					
	<ul><li>Weather</li></ul>					
	<ul> <li>Visual equivalent;</li> </ul>					
	- Smile					
	- Metaphor					
	<ul> <li>Visual paradox</li> </ul>					
	vi. Lighting					
	<ul> <li>Natural/available</li> </ul>					
	<ul> <li>Artificial lighting</li> </ul>					
	- Flash/strobe					
	- Ring flash					
	<ul> <li>Continuous light</li> </ul>					

Work Activities	Related Knowledge		Related Skills		itude / Safety / nvironmental	Training Hours	Delivery Mode	Assessment Criteria
		i.	Identify props	i.	Follow job	160 hours	Practical/	
			concept		requirement		Project	
		ii.	Identify source of	ii.			Assignment/	
			Props		selecting		Case Study/	
		iii.	Select source of		photography		Demonstration	
			props		concept			
		iv.	Identify usage of	iii.	Resourceful of			
			props duration		props usage			
		٧.	Identify types of		and talents			
			props		availability			
		vi.	Select types of					
			props					
		xii.	Identify size of					
			props					
		xiii.	Select size of					
			props					
		xiv.	Identify props					
			cost estimation					
		vii.	Identify					
			photography					
			subject					
		∨iii.	Select					
			photography					
	ļ	<b>.</b>	subject					
	ļ	ix.	Identify					
	ļ		photography					
	ļ		motive					
	ļ	Х.	Select areas of					
			photography					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		xi. Identify prop function  xii. select photography composition  xiii. Identify types of shots  xiv. select types of shots  xv. Identify photography orientation  xvi. Identify mood of photography  xvii. Select mood of photography  viii. Identify lighting  xix. Select lighting				
4. Recce Photography Location	<ul> <li>i. Recce schedule</li> <li>ii. Photography shooting location and logistic</li> <li>Geography</li> <li>Elevation/ depth /topography</li> <li>Latitude</li> <li>Longitude</li> <li>Coordinate</li> <li>Compass position</li> <li>Surrounding</li> </ul>			40 hours	Tutorial	<ul> <li>Recce schedule determined</li> <li>Photography shooting location and logistic determined according to job requirement.</li> <li>Photograph of</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Weather     Festive season     Accessibility iii. Restricted location     Local authority     Site's owner     Land lord     authorisation iv. Shooting schedule     Shooting time     Shooting duration v. Safety requirement     Safety and health legislation     OSHA requirement     Risk assessments     Safety method of working     Safety method using equipment     Equipment safety     Props safety     Photographers safety vi. Shooting Resource     Logistic     Accommodation     Photography Crew vii. Photography shooting cost estimation					photography shooting location produced.  Local authority / site's owner / land lord authorisation acquired  Shooting schedule produced  Safety requirement determined  Shooting resource confirmed  Photography shooting cost produced  Recce photography location report produced

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Work Activities	Related Knowledge	i. Identify recce schedule ii. Identify photography shooting location and logistic iii. Identify Local Authority / Site's owner / Land Lord Authorisation iv. Request Local				Assessment Criteria
		Authority / Site's owner / Land Lord Authorisation  v. Prepare shooting schedule  vi. Identify safety requirement  vii. Arrange shooting resource  viii. Estimate photography shooting cost	v. Meticulous in preparing shooting cost estimation			

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
5. Prepare Photography Equipment	<ul> <li>i. Photography equipment checklist</li> <li>ii. Photography equipment preparation procedure</li> <li>iii. Camera handling procedure</li> </ul>			40 hours	Tutorial	<ul> <li>Photography equipment checked</li> <li>Photography equipment arranged</li> <li>Photography equipment checklist produced</li> </ul>
		<ul> <li>i. Check photography equipment</li> <li>ii. Select photography equipment</li> <li>iii. Prepare equipment checklist</li> <li>iv. Update photographic equipment checklist</li> </ul>	i. Apply safety equipment handling ii. Resourceful of manufacturer user manual iii. Meticulous in writing photography equipment checklist	40 hours	Practical/ Project Assignment/ Case Study/ Demonstration	Photography     equipment checklist     updated for     reference

# **Employability Skills**

Core Abilities		Social Skills / Social Values
01.01	Identify and gather information	Conceptual skills
01.02	Document information, procedures or processes	2. Interpersonal skills
01.03	Utilize basic IT applications	3. Learning skills
		Multitasking and prioritizing

01.04	Analyse information	5.	Self-discipline
01.05	Utilize the Internet to locate and gather information	6.	Patience
01.06	Utilize word processor to process information	7.	Punctuality
01.07	Utilize database applications to locate and process information	8.	Meticulous
01.08	Utilize spreadsheets applications to locate and process information		
01.10	Apply a variety of mathematical techniques		
01.11	Apply thinking skills and creativity		
02.01	Interpret and follow manuals, instructions and SOP's		
02.02	Follow telephone/ telecommunication procedures		
02.03	Communicate clearly		
02.04	Prepare brief reports and checklists using standard forms		
02.11	Convey information and ideas to people		

# Tools, Equipment and Materials (TEM)

ITEMS	RATIO (TEM : Trainees)	
1. Stationeries	1:1	
2. Computer	1:1	
3. Camera	1:1	
4. Lenses	1:1	
5. Lens filter	1:25	
6. Power supply	1:10	
7. Lighting Accessories	1:10	
8. Lighting stand	1:10	
9. Backdrop stand	1:10	
10. Battery grip	1:1	
11. Camera strap	1:1	

12. Studio Ladder	1:10
13. Camera and lenses case	1:1
14. Accessories	1:10
15. Storage Device	1:1
16. Scanners	1:10
17. Printers	1:10
18. Stationeries	1:1
19. Paper	1:1
20. Checklist	1:1

#### **REFERENCES**

- 1. David P. (2006). Basics Photography: Composition (Basics Photography 1). Ava Publishing. ISBN: 2940373043
- 2. David P. (2007). Basics Photography: Lighting, 1st Ed. Ava Publishing. ISBN: 2940373035
- 3. David P. (2008). Basics Photography: Working in Black & White. Ava Publishing. ISBN: 294037385X
- 4. David P. (2009). Basics Photography: Exposure. Ava Publishing. ISBN: 2940411050
- 5. Jeremy W. (2010). Basics Creative Photography: Design Principles. Ava Publishing. ISBN: 2940411360
- 6. Maria S. (2011). Basics Creative Photography: Context and Narrative. Ava Publishing. ISBN: 2940411409
- 7. Phil M. (2007). Basics Photography: Capturing Colour. Ava Publishing. ISBN: 294037306X
- 8. Reznicki J. (1987). Illustration Photography: Bringing Concepts to Life in the Studio or on Location, New Ed. Amphoto. ISBN: 0817440100
- 9. Miriam L. (2011). *Take Your Best Shot (Popular Photography): Essential Tips & Tricks for Shooting Amazing Photos.* Weldon Owen. ISBN: 1616281219
- 10. Meehan J.R. (2009). Capturing Mood, Ambience & Dramatic Effects: The Dynamic Language of Digital Photography (A Lark Photography Book, Revised Ed. Lark Books. ISBN: 1600595774

### CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY						
Job Area	PHOTOGRAPHY						
Competency Unit Title	PHOTOGRAPHY PRODUCTION						
Learning Outcome	This Photography Production competency unit is to produce images regardless places. Upon completion of this competency unit, trainees will be able to:  Identify Photography Production Requirement  Setup photography equipment and props  Perform Photography Production Shoot  Perform Photography Production Housekeeping						
Competency Unit ID	AC-050-3:2012-C02 Level 3 Training Duration 580 hours Hours 58 hours						

Work Activities	Related Knowledge	Related Skills	Attitude / Safety /	Training	Delivery	Assessment Criteria
WOIR Activities	neiated Kilowiedge	neialeu Skiiis	Environmental	Hours	Mode	Assessment Criteria
Identify     Photography     Production     Requirement	<ul> <li>i. Work order</li> <li>ii. Photography equipment layout plan</li> <li>iii. Photography Equipment</li> <li>iv. Subject matter</li> <li>v. Props i.e.; <ul> <li>Requirement</li> <li>Props concept</li> </ul> </li> <li>vi. Photography shooting location and logistic i.e.; <ul> <li>Geography</li> </ul> </li> </ul>			80 hours	Tutorial	<ul> <li>Photography equipment layout plan obtained</li> <li>Photography equipment determined</li> <li>Props listed out / determined</li> <li>Photography shooting location and logistic determined</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
vi	<ul> <li>Elevation/ Depth /topography</li> <li>Latitude</li> <li>Longitude</li> <li>Coordinate</li> <li>Compass Position</li> <li>Surrounding</li> <li>Weather</li> <li>Festive season</li> <li>Accessibility</li> <li>Written/ Permits application i.e.;</li> <li>Local authority</li> <li>Private property owner</li> <li>Shooting facilities i.e.;</li> <li>Accommodation</li> <li>Food</li> <li>Transportation</li> <li>X. Contingency plan</li> <li>X. Safety requirement i.e.;</li> <li>Safety and health legislation</li> <li>OSHA requirement</li> <li>Risk assessments</li> <li>Safety method of working</li> <li>Safety method</li> </ul>					according to job requirement  Written/ permits application determined  Shooting facilities determined according to job requirement.  Contingency plan produced  Safety requirement listed out according to standard practice.  Areas of photography determined according to job requirement  Types of photography determined according to job requirement  Types of photography determined according to job requirement  Mood of photography determined

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
xi xii	<ul> <li>Shooting duration</li> <li>Shooting time frame</li> <li>Areas of Photography i.e.;</li> <li>Clinical</li> <li>Journalism</li> <li>Advertising</li> <li>Social</li> <li>Fine art</li> </ul>					according to job requirement  Photography equipments determined according to job requirement  Photography orientation listed out according to job requirement.  Image file format according to job requirement.  Image resolution listed out according to job requirement.  Photography production requirement lists produced according to job order.

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Forensic					
	<ul><li>Infrared</li></ul>					
	<ul> <li>Industrial</li> </ul>					
	<ul> <li>Interior</li> </ul>					
	<ul> <li>Investigative</li> </ul>					
	<ul> <li>Landscape</li> </ul>					
	Macro					
	Medical					
	Micro     Madalling					
	Modelling					
	Nature     Night acons					
	<ul><li>Night scene</li><li>Portraiture</li></ul>					
	Pet					
	<ul><li>Reprography</li></ul>					
	<ul><li>Sport</li></ul>					
	<ul> <li>Stage/Concert</li> </ul>					
	Still life					
	<ul> <li>Street</li> </ul>					
	<ul> <li>Strobography</li> </ul>					
	<ul> <li>High speed</li> </ul>					
	<ul><li>Travel</li></ul>					
	<ul> <li>Time-lapse</li> </ul>					
	<ul> <li>Underwater</li> </ul>					
	<ul> <li>Wedding</li> </ul>					
	<ul> <li>Wild life</li> </ul>					
	• Etc.					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	iv. Mood of photography					
	i.e.;					
	Action     Comedu					
	<ul><li>Comedy</li><li>Warm</li></ul>					
	• Cool					
	<ul><li>Mystery</li><li>Sadness</li></ul>					
	<ul><li>Happy</li><li>Excitement</li></ul>					
	Surprise					
	Empathy					
	<ul><li>Sympathy</li></ul>					
	Passion					
	Contrast					
	Conflict					
	Surrealism					
	Realism					
	Expressionism					
	<ul><li>Fantasy</li></ul>					
	• Colour					
	<ul> <li>Weather</li> </ul>					
	<ul> <li>Visual equivalent;</li> </ul>					
	- Smile					
	- Metaphor					
	- Visual paradox					
	kv. Types of Lighting i.e.;					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Natural Lighting					
	- Sunlight					
	- Moonlight					
	- Ambient light					
	<ul><li>Artificial lighting</li><li>Constant Light</li></ul>					
	- Flash/strobe					
	- Continuous light					
	vi. Properties of light i.e.;					
	Electro magnetic					
	spectrum (EMS)					
	Colour temperature					
	Direction					
	- Direct					
	- Bounce					
	<ul> <li>Coverage area</li> </ul>					
	<ul> <li>Intensity/output</li> </ul>					
	(Guide number)					
	<ul> <li>Quality</li> </ul>					
	- Bare					
	- Diffuse					
	- Ratio					
	o High key					
	o Low key vii. Camera Component					
	i.e.;					
	ISO Setting					
	- Sensitivity					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Work Activities	Related Knowledge  - Noise level  - Aperture - Depth of field - Hyper focal  - Shutter Speed - Freeze Moment - Motion Effect - Flash synchronization  - Exposure value  - White balance - Day light - Fluorescent - Incandescent - Incandescent - Flash - Burst rate(Frame per second)  - File format - JPEG - TIFF - RAW  - Image file size - Small - Medium - Large	Related Skills				Assessment Criteria
	<ul><li>Types of Media</li><li>Storage</li><li>Compact flash</li></ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	- SD card - XD card - Micro SD card - XQD card - Memory stick - Smart media - Tube/External Hardisk - Server - Storage Capacity - Transfer rate • Camera Battery • Camera Setting - Program - Shutter priority - Aperture priority - Manual • Camera Image sensor size; - Full frame - APS-C - Four third - 6x6 - 6x4.5					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	viii. Photography equipment					
	i.e.;					
	<ul> <li>Camera</li> </ul>					
	<ul> <li>Medium format</li> </ul>					
	- DSLR					
	- Prosumer /Mirror					
	less					
	<ul> <li>Extreme spot</li> </ul>					
	(new)					
	<ul><li>Lenses</li></ul>					
	- Super wide					
	angle					
	- Wide angle					
	- Standard					
	- Mid tele					
	o Portrait lens					
	- Tele					
	- Super tele					
	- Macro					
	- Perspective lens					
	(Tilt & Shift)					
	- Fish eye					
	- Zoom lens					
	<ul><li>Extension tubes</li><li>Extension</li></ul>					
	bellows					
	Lens filter     Circular					
	- Circular					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	polariser - Neutral density - Gradual - UV - Skylight filter - Soft filter - Colour correction filter - Star burst - Centre spot filter - Close-up filter - Remote shutter - release - Filter holder  Power supply - Main supply - Main supply - Battery - Generator  Lighting Accessories - Beauty dish - Umbrella - Soft box - Snoot - reflector - Barn door		Environmental	Hours	Mode	
	- Honeycomb - Colour gel					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	=Portrait =Square xx. Image file format i.e.; =JPEG =TIFF =RAW xi. Image resolution		i Matinalaus of	040 h	Dog et in all	
		i. Interpret work order ii. Gather photography equipment layout plan iii. Identify photography equipment iv. Identify subject matter v. Identify props vi. Identify props vi. Identify shooting location and logistic vii. Identify written / permits application viii. Identify shooting	i. Meticulous of customer information ii. Meticulous during receive customer's photography service requirement iii. Knowledgeable of photography production	240 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		facilities ix. Prepare contingency plan x. Identify safety requirement xi. Identify shooting schedule xii. Identify areas of photography xiii. Identify types of photography xiv. Identify mood of photography xv. Identify photography equipments xvi. Identify photography Orientation xvii. Identify image file format viii. Identify image resolution				

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
2. Setup Photography equipment and props	<ul> <li>i. Shooting location</li> <li>ii. Permits from Local Authorities or Property Owner i.e.;</li> <li>• Application terms and condition</li> <li>• Application procedure - Forms - Supporting documents - Fees</li> <li>• Type of Local Authorities or Property Owner permits - Shooting permit - Duration permit - Duration permit - Area permit - Equipment permit</li> <li>• Worker permit</li> <li>iii. Equipment and props iv. Equipment and props arrangement layout</li> <li>v. Equipment functionality</li> <li>vi. Test shoot image</li> <li>vii. Packing procedure</li> </ul>			40 hours	Tutorial	<ul> <li>Photography equipment and props packing procedure determined</li> <li>Shooting permits acquired from local authorities or property owner</li> <li>Photography equipment and props set according to layout plan</li> <li>Equipment functionality confirmed for actual shooting</li> <li>Test shot image produced according to job requirement</li> <li>Photography equipment and props setup complied according to safety requirement</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul><li>Packing materials</li><li>Packing procedure</li></ul>					
		i. Identify photography equipment and props packing procedure ii. Identify shooting permit application iii. Sketch Equipment and props arrangement layout iv. Arrange Equipment and props v. Check Equipment functionality vi. Test shoot image	i. Follow client requirement ii. Comply to safety requirement iii. Secure adequate photography equipment's cables for movement flexibility iv. Comply with photography work ethics v. Comply with photography working attire vi. Punctuality vii. Avoid restricted areas /subject using certain photography equipments viii. Aware local	80 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
			authorities terms and conditions ix. Liaise with local authorities personnel x. Meticulous in permits application xi. Comply correct permits application procedure			
3. Perform Photography Production Shoot	<ul> <li>i. Types of Subject matter i.e.;</li> <li>Talent</li> <li>Product</li> <li>Props</li> <li>ii. Shooting techniques i.e.;</li> <li>Black &amp; White</li> <li>High Speed/ Fast Shutter speed</li> <li>Infrared</li> <li>Tilt &amp; Shift</li> <li>HDR</li> <li>Motion Blur</li> <li>Night</li> </ul>			20 hours	Tutorial	<ul> <li>Subject and props confirmed according to job requirement</li> <li>Shooting techniques confirmed according to job requirement</li> <li>Lighting techniques confirmed according to job requirement</li> <li>Types of shots confirmed according to job requirement</li> <li>Shot images evaluated and kept according to job</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>Smoke art</li> </ul>					requirement
	<ul><li>Macro</li></ul>					<ul> <li>Photography image</li> </ul>
	<ul> <li>Panoramic</li> </ul>					produced according
	• Etc.					to job requirement
	iii. Types of lighting					
	techniques i.e.;					
	<ul> <li>Rembrandt light</li> </ul>					
	<ul> <li>Paramount light</li> </ul>					
	<ul> <li>Loop light</li> </ul>					
	<ul> <li>Split light</li> </ul>					
	<ul> <li>Profile light</li> </ul>					
	iv. Types of shots i.e.;					
	<ul><li>Mug shot</li></ul>					
	<ul> <li>Executive shot</li> </ul>					
	• ¾ shot					
	<ul> <li>Full length shot</li> </ul>					
	• Solo					
	Group					
	<ul> <li>Close-up</li> </ul>					
	v. Image safekeeping					
	procedure					
	vi. Photography production					
	Image review i.e.;					
	Subject matter					
	<ul> <li>Types of</li> </ul>					
	photography					
	<ul> <li>Mood of</li> </ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	photography Types of lighting Properties of light Photography composition Photography orientation Image file format Image resolution	i. Check subject matter ii. Identify shooting techniques iii. Select shooting technique iv. Identify types of lighting techniques v. Select lighting techniques vi. Identify types of shots vii. Select types of shots viii. Shoot images ix. Review shot images x. Save shot	i. Follow client requirement ii. Follow job specification iii. Comply to equipment safety procedure iv. Secure adequate photography equipment's cables for movement flexibility v. Comply with photography work ethics vi. Punctuality	80 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		images	vii. Avoid restricted areas /subjects using certain photography equipments viii. Comply with photography working attire ix. Practice image storage procedure			
4. Perform Photography Production Housekeeping	<ul> <li>i. Photography equipment and Props</li> <li>ii. Studio environment i.e.;</li> <li>Temperature</li> <li>Humidity</li> <li>Security</li> <li>Ventilation</li> <li>Dumping area</li> <li>Emergency power cut off switch</li> <li>Emergency exit</li> <li>iii. Photography equipment dissemble procedure i.e.;</li> <li>Switch off equipment</li> </ul>			20 hours	Tutorial	<ul> <li>Used equipment and props checked</li> <li>Photography equipment dissemble procedure complied</li> <li>Equipment cleanliness confirmed</li> <li>Equipment and props stored safely</li> <li>Production studio cleanliness checked</li> </ul>

	nowledge Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
and with a Disma equipming iv. Photographing re-packing v. Photographic cleaning to vi. Photographic cleaning ki vii. Safety equipment a Etc.  viii. Equipment ix. Cleaning e i.e.;  Brown Defile Clo	ment's cables ires antle ment hy equipment procedure hy equipment echnique hy equipment it uipment i.e.; ical hazard azard  t Faulty equipment oom tergent oth ather duster pped				

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		i. Check used equipment and props ii. Apply Photography equipment dissemble procedure iii. Clean equipment iv. Re-pack equipment and props v. Re-arrange equipment and props vi. Clean production studio	i. Practice Safety procedure ii. Environment protection awareness iii. Cleanliness iv. Vigilant v. Discipline vi. Follow work place procedure vii. Good housekeeping viii. Comply with equipment cleaning technique ix. Proper care and handling of photography equipment and props x. Comply to equipment safety procedure xi. Ensure shooting location cleanliness xii. Follow equipment and	20 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
			props packing procedure			

## **Employability Skills**

04.02	Set and revise own objectives and goals	
04.03	Organize and maintain own workplace	

## **Tools, Equipment and Materials (TEM)**

ITEMS		RATIO (TEM : Trainees)
1.	Camera	1:1
2.	Lenses	1:1
3.	Lens filter	1:25
4.	Power supply	1:10
5.	Lighting Accessories	1:10
6.	Lighting stand	1:10
7.	Backdrop stand	1:10
8.	Battery grip	1:1
9.	Camera strap	1:1
10.	Camera and lenses case	1:1
11.	Accessories	1:10
12.	Photography equipment and props packing materials	1:5
13.	Cleaning equipment	1:5

### **REFERENCES**

- 1. John C. (2008). Studio Photography: Essential Skills. 4th Ed. Focal Press. ISBN: 0240520963.
- 2. J.J. Allen. (2000). Posing and Lighting Techniques for Studio Portrait Photography. Amherst Media, Inc. ISBN: 158428031X
- 3. Edward L. (2002). *The Business of Studio Photography: How to Start and Run a Successful Photography Studio*. Allworth Press. ISBN: 158115254X
- 4. Dr. Glenn R. (2008). Lighting for Photography: Techniques for Studio and Location Shoots. Amherst Media, Inc. ISBN: 1584282266
- 5. Christopher G. (2009). Christopher Grey's Studio Lighting Techniques for Photography: Tricks of the Trade for Professional Digital Photographers. Amherst Media, Inc. ISBN: 1584282711

- 6. Michael F. (2011). The Low Light Photography Field Guide: The essential guide to getting perfect images in challenging light. 1st Ed. Focal Press. ISBN: 0240820800
- 7. John S. (2001). John Shaw's Nature Photography Field Guide. Amphoto Books. ISBN: 0817440593
- 8. National Geographic. (2009). *National Geographic Ultimate Field Guide to Photography: Revised and Expanded (Photography Field Guides)*. National Geographic. ISBN: 1426204310
- 9. Bryan P . (2009). Bryan Peterson's Understanding Photography Field Guide: How to Shoot Great Photographs with Any Camera. Amphoto Books. ISBN: 0817432256
- 10. Carl H. II. (2011). The Landscape Photography Field Guide. 1st Ed. Focal Press. ISBN: 0240819225.

# CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY						
Job Area	PHOTOGRAPHY	HOTOGRAPHY					
Competency Unit Title	IMAGE EDITING	MAGE EDITING					
Competency Unit Descriptor	This Image Editing competency unit is to finalise the shoot images, make a copies for back-up and produce finish products according to client's requirement. Upon completion of this competency unit, trainees will be able to:  Identify Image Editing Requirement  Back-Up Image Output  Edit Image  Carry out Photography Image Quality Control						
Competency Unit ID	AC-050-3:2012-C03	Level	3	Training Duration	200 hours	Credit Hours	20 hours

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Identify Image     Editing     Requirement	<ul> <li>i. Photography work order</li> <li>ii. Image output format</li> <li>Size</li> <li>Type of files (digital files)</li> <li>RAW</li> <li>JPEG</li> <li>TIFF</li> <li>GIFF</li> <li>PNG</li> <li>PSD</li> <li>Colour depth</li> </ul>			40 hours	Tutorial	<ul> <li>Image output format determined according to job requirement</li> <li>Image editing timeline/dateline confirmed according to job requirement</li> <li>Photography concept image determined according to job</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
iii. iv. v.	timeline/dateline  Photography concept Types of photography Areas of photography					requirement  Types of photography determined according to job requirement  Areas of photography determined according to job requirement  Photo editing software application determined according to job requirement  File transfer media determined according to job requirement  Image editing technique determined according to job requirement  Image editing technique determined according to job requirement  Delivery method

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	software application Photoshop Lightroom Fotostation Etc. Viii. File transfer media i.e.; Bluetooth FTP Card reader USB cable CD/DVD ROM Etc. ix. Image editing technique i.e.; Cropping Colour Contrast Brightness Touch-up Etc. x. Delivery method i.e.; Courier Email By hand xi. Delivery Order					confirmed according to job requirement  Delivery details confirmed according to job requirement Image editing requirement checklist produced for image editing

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Work Activities	• Invoicing	i. Interpret work order ii. Identify image output format iii. Identify image editing timeline/dateline iv. Identify photography concept image v. Identify types of photography vi. Identify areas of photography vii. Identify photo editing software application viii. Identify file		•	_	Assessment Criteria
		transfer media ix. Identify image editing technique x. Identify delivery method xi. Identify delivery details				

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
2. Back-Up Image Output	i. Storage media  • Memory Card  • CD/DVD	xii. Prepare image editing requirement checklist		10 hours	Tutorial	<ul> <li>Storage media confirmed</li> <li>Numbers of</li> </ul>
	<ul> <li>Etc.</li> <li>ii. Numbers of back-up copies</li> <li>iii. Back-up image filing technique;</li> <li>Labelling</li> <li>Indexing</li> <li>Storage path</li> </ul>					required back-up copies confirmed  Image transferred into storage media  Back-up image file report produced
		i. Identify storage media ii. Transfer image into back-up storage iii. Check back-up copies iv. Apply back-up image filing technique	i. Resourceful in image files database  ii. Resourceful in image storage techniques	20 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
3. Edit Image	<ul> <li>i. Image criterion i.e.;</li> <li>Exposure</li> <li>Motion blur</li> <li>Colour cast</li> <li>Noise/grain</li> <li>Dust spots</li> <li>Distortion</li> <li>Etc.</li> <li>ii. Image editing technique i.e.;</li> <li>Cropping</li> <li>Colour</li> <li>Contrast</li> <li>Brightness</li> <li>Touch-up</li> <li>Etc.</li> <li>iii. Types of printing i.e.;</li> <li>Self printing</li> <li>Third party printing service</li> </ul>			20 hours	Tutorial	<ul> <li>Image criteria confirmed according to job requirement</li> <li>Final finish product produced according to job requirement</li> <li>Final finish product printed according to job requirement</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		i. Identify image criteria ii. Select image for editing iii. Apply image editing technique iv. Identify types of printing v. Print image	i. Resourceful of image editing technique ii. Follow job requirement iii. Comply with image editing technique iv. Ensure editing software functioning	40 hours	Practical/ Project Assignment/ Case Study/ Demonstration	
4. Carry out Photography Image Quality Control	<ul> <li>i. Quality control procedure</li> <li>ii. Photography composition i.e.;</li> <li>Rule of third</li> <li>Centre of interest</li> <li>Orientation</li> <li>Arrangement of content</li> <li>Perspective of camera and lenses</li> <li>S Curve, C Curve</li> <li>Golden ratio / Golden mean /</li> </ul>			10 hours	Tutorial	<ul> <li>Image quality control requirement confirmed</li> <li>Photography image assessed according to photography composition</li> <li>Image output colour density confirmed according to job requirement</li> <li>Image colour proof printing confirmed according to job</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Divine Proportion  Entry point  Eye Movement  Diagonal Line  Vertical Line  Balancing  Framing  Concentric  Geometric  patterns  Pattern  Texture  iii. Image colour output format  iv. Image colour proof printing  undersity					requirement  Image quality confirmed according to job requirement  Image quality control record produced for reference
		i. Identify image quality control requirement ii. Identify photography composition iii. Evaluate photography image	i. Analytical mind  ii. Ensure finish product meets client's requirement	20 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		iv. Check image output colour density v. Check image colour proof printing vi. Prepare image quality control record				

# **Employability Skills**

Core Abi	lities	Social Skills / Social Values
01.01 01.02 01.03 01.04 01.06 01.07 01.10 01.11 02.01 02.03 03.02 03.03	Identify and gather information Document information, procedures or processes Utilize basic IT applications Analyse information Utilize word processor to process information Utilize database applications to locate and process information Apply a variety of mathematical techniques Apply thinking skills and creativity Interpret and follow manuals, instructions and SOP's Communicate clearly Demonstrate integrity and apply ethical practices Accept responsibility for own work and work area	<ol> <li>Communication skills</li> <li>Learning skills</li> <li>Multitasking and prioritizing</li> <li>Teamwork</li> <li>Compliance</li> <li>Cooperation</li> <li>Punctuality</li> <li>Meticulous</li> </ol>

03.04	Seek and act constructively upon feedback about
	performance
03.05	Demonstrate safety skills
03.06	Respond appropriately to people and situations
03.07	Resolve interpersonal conflicts
03.08	Develop and maintain a cooperation within work group
04.01	Organize own work activities
04.02	Set and revise own objectives and goals
04.03	Organize and maintain own workplace

## Tools, Equipment and Materials (TEM)

ITEMS	RATIO (TEM : Trainees)
1. Computer	1:1
Photo editing software application	1:1
3. Storage media	1:1
4. Printing Equipment	1:10

#### REFERENCES

- 1. Goelker K. (2011). GIMP 2.6 for Photographers: Image Editing with Open Source Software. Pap/DVD-R Ed. Rocky Nook. ISBN: 1933952490
- 2. Davis H. (2009). The Photoshop Darkroom: Creative Digital Post-Processing. 1st Ed. Focal Press. ISBN: 024081259X
- 3. Perkins M. (2006). Digital Camera Tricks and Special Effects 101: Creative Techniques for Shooting and Image Editing (Digital Quick Guides series). Amherst Media, Inc. ISBN:1584281766
- 4. Terry Barrett (1999). Criticizing Photographs: An Introduction to Understanding Images, 3rd Ed. McGraw-Hill Humanities. ISBN: 0767411862
- 5. Terry Barrett (1995). Criticizing Photographs: An Introduction to Understanding Images, 2nd Ed. Mayfield Publishing Co.. ISBN: 1559345268
- 6. N.A. (N.D). *Photographic Judging Criteria*. Retrived on 18/10/2012 11:45 A.M from http://www.woodburnphoto.co.za/About/PhotographicJudgingCriteria/tabid/15818/Default.aspx

- 7. David Saffir & Eileen Fritsch (2009). *My Top Eight Criteria for Evaluating Image Quality*. Retrieved on 18/10/2012 11:46 A.M from http://h30507.www3.hp.com/t5/Professional-Photography/My-Top-Eight-Criteria-for-Evaluating-Image-Quality/ba-p/42530
- 8. N.A. (2010). *Image Editing Basics: Five Techniques You Need to Know.* Retrieved on 18/10/2012 12:03P.M. from https://www.elance.com/q/blog/2010/07/image-editing-basics-five-techniques-you-need-to-know.html
- 9. N.A. (N.D.) Essential Photo Editing Techniques. Retrieved on 18/10/2012 12:10P.M. from http://www.photonhead.com/photo-editing/techniques/

## CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY						
Job Area	PHOTOGRAPHY						
Competency Unit Title	PHOTOGRAPHY EQUIPMENT MAINTENANCE						
Learning Outcome	This Photography Equipment Maintenance competency unit is to carry out photographic equipment maintenance by themselves or send to authorised service centre for critical default. Upon completion of this competency unit, trainees will be able to:  Identify Equipment Faulty Plan Photography Equipment Maintenance Perform Photography Equipment Maintenance						
Competency Unit ID	AC-050-3:2012-C04 Level 3 Training Duration 180 hours Credit Hours 18 hours						

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Identify     equipment     faulty	<ul> <li>i. Types of Equipment</li> <li>Lighting</li> <li>Camera</li> <li>Lenses</li> <li>ii. Types of equipment faulty i.e.;</li> <li>Regular</li> <li>Critical</li> </ul>			20 hours	Tutorial	<ul> <li>Types of equipment determined</li> <li>Equipment faulty confirmed</li> <li>Equipment faulty sorted</li> </ul>
		i. Identify types of equipment     ii. Check equipment faulty     iii. Sort equipment	i. Detail in review photographic equipment inventory	40 hours	Practical/ Project Assignment/ Case Study/	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		faulty	record ii. Prioritize equipment maintenance according to critical usage		Demonstration	
2. Plan photography equipment maintenance	<ul> <li>i. Equipment classification procedure</li> <li>ii. Types of maintenance i.e.; <ul> <li>Corrective</li> <li>Preventive</li> </ul> </li> <li>iii. Maintenance schedule preparation</li> </ul>			20 hours	Tutorial	<ul> <li>Equipment classification procedure determined</li> <li>Equipment faulty confirmed</li> <li>Types of maintenance determined</li> <li>Maintenance</li> </ul>
		i. Identify equipment classification procedure  ii. Classify equipment faulty  iii. Identify types of maintenance  iv. Produce maintenance schedule	i. Meticulous in maintenance activity ii. Follow maintenance safety requirement iii. Follow replacement schedule	40 hours	Practical/ Project Assignment/ Case Study/ Demonstration	schedule generated

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
3. Perform photography equipment maintenance	i. Maintenance schedule ii. Maintenance and cleaning kits i.e.; • Micro fibre cloth • Air blower • Blower Brush • Cleaning Fluid • Cotton Buds • Etc. iii. Maintenance safety requirement • Equipment • Insurance • Manufacturer Warranty iv. Manufacturer's user manual			20 hours	Tutorial	<ul> <li>Maintenance and cleaning kits determined</li> <li>Types of maintenance confirmed</li> <li>Critical equipment faulty confirmed</li> <li>Maintenance safety requirement determined</li> <li>Photography equipment maintenance record produced for future reference</li> </ul>
		i. Interpret maintenance schedule ii. Check types of maintenance iii. Identify maintenance and cleaning kits iv. Identify critical	i. Meticulous in maintenance activity ii. Follow maintenance safety requirement iii. Follow maintenance	40 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		equipment faulty v. Identify maintenance safety requirement vi. prepare photography equipment maintenance record	schedule iv. Follow user manual			

# **Employability Skills**

Core Abi	lities	Social Skills / Social Values			
01.01 01.02 01.03 01.04 01.06 01.07 01.10 01.11 02.01 02.03 03.02 03.03	Identify and gather information Document information, procedures or processes Utilize basic IT applications Analyse information Utilize word processor to process information Utilize database applications to locate and process information Apply a variety of mathematical techniques Apply thinking skills and creativity Interpret and follow manuals, instructions and SOP's Communicate clearly Demonstrate integrity and apply ethical practices Accept responsibility for own work and work area	<ol> <li>Communication skills</li> <li>Learning skills</li> <li>Multitasking and prioritizing</li> <li>Teamwork</li> <li>Compliance</li> <li>Cooperation</li> <li>Punctuality</li> <li>Meticulous</li> </ol>			

03.04	Seek and act constructively upon feedback about
	performance
03.05	Demonstrate safety skills
03.06	Respond appropriately to people and situations
03.07	Resolve interpersonal conflicts
03.08	Develop and maintain a cooperation within work group
04.01	Organize own work activities
04.02	Set and revise own objectives and goals
04.03	Organize and maintain own workplace

## **Tools, Equipment and Materials (TEM)**

ITEMS		RATIO (TEM : Trainees)
1.	Camera	1:1
2.	Lens	1:1
3.	Lighting equipment	1:5
4.	Cleaning kits	1:1
5.	Checklist	1:1
6.	Sample of maintenance schedule	1:1

### **REFERENCES**

- 1. Thomas T. (1997). Camera Maintenance & Repair, Book 2: Advanced Techniques: A Comprehensive, Fully Illustrated Guide (Bk. 2). Amherst Media, Inc. ISBN: 0936262583
- 2. Thomas T. (1998). Restoring the Great Collectible Cameras 1945-1970. Amherst Media, Inc. ISBN: 0936262737
- 3. Thomas T. (1999). Leica Camera Repair Handbook. Amherst Media, Inc.ISBN: 0936262877
- 4. Thomas T. (1997). Restoring Classic & Collectible Cameras. Amherst Media, Inc ISBN: 0936262591

# CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY						
Job Area	PHOTOGRAPHY						
Competency Unit Title	PHOTOGRAPHY SALES SERVICE						
Learning Outcome	This competency unit, Photography Sales Service is to create business opportunity for photography services through gather and meet potential customers. Upon completion of this competency unit, trainees will be able to:  Review Customer Record  Carry out Sales Service Meeting  Perform Sales Closing						
Competency Unit ID	AC-050-3:2012-C05	Level	3	Training Duration	100 hours	Credit Hours	10 hours

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
1. Review Customer Record	i. Types of customer i.e.;  Individual Company Local International ii. Types of photography i.e.; Aerial Archaeology Architectural Astronomy Black & White			20 hours	Tutorial	<ul> <li>Types of customer confirmed</li> <li>Types of photography confirmed</li> <li>Customer requirement and enquiry handling procedure determined</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>Event</li> <li>Fashion</li> <li>Firework</li> <li>Forensic</li> <li>Infrared</li> <li>Industrial</li> <li>Interior</li> <li>Investigative</li> <li>Landscape</li> <li>Macro</li> <li>Medical</li> <li>Micro</li> <li>Modelling</li> <li>Nature</li> <li>Night scene</li> <li>Pet</li> </ul>		Environmental	nouis	Mode	
	<ul> <li>Reprography</li> <li>Sport</li> <li>Stage/Concert</li> <li>Still life</li> <li>Street</li> <li>Strobography</li> <li>High speed</li> <li>Travel</li> <li>Time-lapse</li> </ul>					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>Underwater</li> <li>Wedding</li> <li>Wild life</li> <li>Etc.</li> <li>iii. Customer requirement and enquiry handling procedure</li> </ul>					
		i. Identify types of customer  ii. Identify types of photography  iii. Identify customer requirement and enquiry handling procedure	i. Analytical mind ii. Business minded iii. Resourceful in customer requirement iv. Resourceful in customer's enquiry handling procedure	20 hours	Practical/ Project Assignment/ Case Study/ Demonstration	
Carry out Sales     Service Meeting	i. Appointment Schedule i.e.; • Customer details • Customer availability • Time and location ii. Customer meeting agenda iii. Sales kit			10 hours	Tutorial	<ul> <li>Appointment schedule confirmed</li> <li>Appointment's time and location confirmed</li> <li>Meeting agenda confirmed</li> <li>Sales kits received</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		i. Identify appointment schedule ii. Arrange appointment's time and location iii. Identify meeting agenda iv. Distribute sales kits v. Discuss photography sales service	i. Interpersonal skill ii. Communication skill iii. Resourceful in photography sales kits and services	20 hours	Practical/ Project Assignment/ Case Study/ Demonstration	by customer • Photography job order produced
3. Perform Sales Closing	<ul> <li>i. Sales order</li> <li>ii. Sales contract i.e.;</li> <li>Contract format</li> <li>Contract terms and condition</li> <li>Contract content</li> <li>Price</li> <li>Quantity</li> <li>Quality</li> <li>Bank Statement</li> <li>ROC/ROB</li> </ul>			15 hours	Tutorial	<ul> <li>Sales order determined</li> <li>Sales contract produced</li> <li>Sales dealt</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	document - Company profile  iii. Sales closing technique i.e.; • Assumptive Closing • Direct Close • The Either/Or Choice Close • Etc.	i. Identify sales order ii. Compute sales contract iii. Compile sales contract	i. Ensure sales contract signed	15 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

### **Employability Skills**

Core Ab	ilities	Social Skills / Social Values
01.01	Identify and gather information	Communication skills
01.02	Document information, procedures or processes	2. Learning skills
01.03	Utilize basic IT applications	3. Multitasking and prioritizing
01.04	Analyse information	4. Teamwork
01.06	Utilize word processor to process information	5. Compliance
01.07	Utilize database applications to locate and process	6. Cooperation
	information	7. Punctuality
01.10	Apply a variety of mathematical techniques	8. Meticulous
01.11	Apply thinking skills and creativity	
02.01	Interpret and follow manuals, instructions and SOP's	
02.03	Communicate clearly	
03.02	Demonstrate integrity and apply ethical practices	
03.03	Accept responsibility for own work and work area	
03.04	Seek and act constructively upon feedback about	
	performance	
03.05	Demonstrate safety skills	
03.06	Respond appropriately to people and situations	
03.07	Resolve interpersonal conflicts	
03.08	Develop and maintain a cooperation within work group	
04.01	Organize own work activities	
04.02	Set and revise own objectives and goals	

04.03 Organize and maintain own workplace

#### **Tools, Equipment and Materials (TEM)**

ITEMS	RATIO (TEM : Trainees)
1. Sample of sales kits	1:5
2. Sample of sales contract	1:5
3. Sample of appointment schedule	1:5

#### REFERENCES

- 1. Alain Briot (2011). Marketing Fine Art Photography. 1st Ed. Rocky Nook. ISBN: 1933952555
- 2. Rob Sylvan (2010). Taking Stock: Make money In Microstock Creating Photos That Sell.1st Ed. Peachpit Press. ISBN: 0321713079
- 3. Mary Burzlaff Bostic(2012). 2013 Photographer's Market: The Most Trusted Guide to Selling Your Photography. 36th Ed. North Light Books. ISBN: 1599636131
- 4. Vik Orenstein(2004). Photographer's Market Guide to Building Your Photography Business. 1st Ed. Writer's Digest Books. ISBN: 1582972648
- 5. Bob Coates (2008). Photographer's Guide to Wedding Album Design and Sales. 2nd Ed. Amherst Media, Inc. ISBN: 1584282355
- 6. Terry Hope(2003). Fine Art Photography: Creating Beautiful Images for Sale and Display. 1st Ed. Rotovision. ISBN: 2880467241
- 7. Scott Bourne(2004). 88 Secrets to Selling & Publishing Your Photography.1st Ed. Olympic Mountain School Press. ISBN: 0976187809

# CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY						
Job Area	PHOTOGRAPHY						
Competency Unit Title	REMOTE CONTROL PHOTOGRAPHY						
Learning Outcome	This competency unit, Remote Control (RC) Photography is to produce images through remote Upon completion of this competency unit, trainees will be able to:  Identify Remote Control (RC) Photography Requirement  Setup Remote Control Equipment  Carry Out Remote Control Shoot  Carry Out Remote Control (RC) Maintenance	control devices.					
Competency Unit ID	AC-050-3:2012-E01 Level 3 Training Duration 187 hours Hours	19 hours					

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
Identify Remote     Control (RC)     Photography     Requirement	<ul> <li>i. Types of RC i.e.;</li> <li>• Wired</li> <li>• Wireless</li> <li>ii. Types of RC models i.e.;</li> <li>• Aeroplane</li> <li>• Helicopter</li> <li>• Multirotor</li> <li>• Cars/4WD Buggy</li> <li>• Boat</li> <li>• Submarine</li> <li>iii. RC accessories i.e.;</li> </ul>			32 hours	Tutorial	<ul> <li>Types RC         equipment         confirmed         according to job         requirement</li> <li>Types of RC         models confirmed         according to job         requirement</li> <li>RC accessories         confirmed         according to job</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	<ul> <li>RC Toolkit</li> <li>Battery charger</li> <li>Starter</li> <li>Glow heater</li> <li>Battery voltage checker</li> <li>Fuel pump</li> <li>iv. RC equipment handling technique i.e.;</li> <li>RC aeroplane</li> <li>RC helicopter</li> <li>Multirotor</li> <li>RC car/4WD buggy</li> <li>Boat</li> <li>Submarine.</li> <li>v. Photography shooting location and logistic i.e.;</li> <li>Geography</li> <li>Elevation/ depth /topography</li> <li>Latitude</li> <li>Longitude</li> <li>Coordinate</li> <li>Compass position</li> </ul>					requirement  RC equipment handling technique confirmed according to job requirement  Recce location confirmed according to job requirement  Safety requirement confirmed according to job requirement  Authorisation permits and private owner consent acquired according to job requirement  RC photography requirement list produced according to job requirement

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Surrounding Weather Festive season Accessibility Vi. Restricted location i.e.; Local authority Site's owner Land lord authorisation Vii. Safety requirement	i. Identify types remote control equipment ii. Identify types of RC models iii. Identify remote control accessories iv. Identify remote control equipment handling technique v. Identify recce location viii. Identify safety	i. Analytical mind ii. Resourceful of RC equipments	50 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
2. Setup Remote Control Equipment	i. Remote control equipment i.e.; • Model • Fuel • Accessory ii. Component of FPV (First Person View) i.e.; • Camera • Video transmitter (VTX) • Types of antennas • Ground station - Video Monitor - Video receiver (VRX) - Battery (Power	requirement vi. Apply authorisation permits and private owner consent vii. Prepare remote control photography requirement list		15 hours	Tutorial	Remote control equipment determined according to job requirement Component of FPV confirmed according to job requirement Required camera confirmed according to job requirement Camera with remote control equipment adjusted according

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Supply) - Video recorder Voltage meter ii. Remote Control Test Run procedure	i. Identify remote control equipment ii. Identify Component of FPV iii. Identify required camera iv. Set camera with remote control equipment v. Carry out test run vi. Carry out test shot vii. Check remote control equipment setup	i. Analytical mind ii. Resourceful of RC equipments	30 hours	Practical/ Project Assignment/ Case Study/ Demonstration	to job requirement  Test run executed for emergency landing  Test shot executed according to job requirement  Remote control equipment setup confirmed

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
3. Carry Out Remote Control Shoot	i. Remote control path (way point) ii. Shooting technique iii. Photography composition iv. Remote control photography images			15 hours	Tutorial	<ul> <li>Control path (way point) confirmed according to job requirement</li> <li>Shooting technique determined</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
		i. Check remote control path (way point) ii. Select shooting technique iii. Identify photography composition iv. Evaluate remote control photography images	i. Analytical mind ii. Resourceful of RC equipments iii. Resourceful of RC equipment handling	15 hours	Practical/ Project Assignment/ Case Study/ Demonstration	according to job requirement  Photography composition determined according to job requirement  Images produced according to job requirement  Remote control photography images assessed according to job requirement
4. Carry Out Remote Control (RC) Maintenance	<ul> <li>i. Types of maintenance</li> <li>i.e.;</li> <li>Preventive</li> <li>Corrective</li> <li>ii. Remote control</li> <li>condition i.e.;</li> <li>Minor faulty</li> <li>Major faulty</li> <li>Critical faulty</li> <li>iv. Types of parts faulty</li> <li>i.e.;</li> <li>Minor</li> </ul>			15 hours	Tutorial	<ul> <li>RC equipment determined</li> <li>RC equipment faulty condition confirmed</li> <li>Types of parts faulty determined</li> <li>Types of maintenance confirmed</li> <li>Maintenance schedule complied</li> </ul>

Work Activities Rel	ated Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
iii. Ma	i	i. Identify RC equipment ii. Identify RC equipment faulty condition iii. Identify types of parts faulty iv. Identify types of maintenance v. Identify maintenance schedule vi. Send RC equipment for maintenance vii. Prepare RC maintenance	i. Analytical mind ii. Resourceful of RC equipments	15 hours	Practical/ Project Assignment/ Case Study/ Demonstration	according to manufacturer's user manual  RC equipment sent for maintenance RC maintenance report produced

### **Employability Skills**

Core Ab	pilities	Social Skills / Social Values
01.01	Identify and gather information	Communication skills
01.02	Document information, procedures or processes	2. Learning skills
01.03	Utilize basic IT applications	Multitasking and prioritizing
01.04	Analyse information	4. Teamwork
01.06	Utilize word processor to process information	5. Compliance
01.07	Utilize database applications to locate and process	6. Cooperation
	information	7. Punctuality
01.10	Apply a variety of mathematical techniques	8. Meticulous
01.11	Apply thinking skills and creativity	
02.01	Interpret and follow manuals, instructions and SOP's	
02.03	Communicate clearly	
03.02	Demonstrate integrity and apply ethical practices	
03.03	Accept responsibility for own work and work area	
03.04	Seek and act constructively upon feedback about	
	performance	
03.05	Demonstrate safety skills	
03.06	Respond appropriately to people and situations	
03.07	Resolve interpersonal conflicts	
03.08	Develop and maintain a cooperation within work group	
04.01	Organize own work activities	

04.02	Set and revise own objectives and goals	
04.03	Organize and maintain own workplace	

## Tools, Equipment and Materials (TEM)

C models Aeroplane Helicopter	1:5
•	1:5
Helicopter	
	1:5
Multirotor	1:5
Cars/4WD Buggy	1:5
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#### **REFERENCES**

- 1. Baker W., Sidas, & David (2008). Fly RC Tips, Tricks, & Techniques: Simple Solutions from Master Modelers [FLY RC TIPS TRICKS & TECHNIQUE] [Paperback]. Maplegate Media Group Inc,. ISBN: B008LD1HNW
- 2. Nick P. (2003). *Radio Controlled Helicopters: The Guide to Building and Flying R/C Helicopters [Paperback]*, 2<sup>nd</sup> Ed. Trans-Atlantic Publications, Inc. ISBN: 185486226X
- 3. Paul T. (1996). The Basics of Radio Control Helicopters, 2nd Ed. Air Age Pub. ISBN: ISBN-10: 0911295364
- 4. William R. (2010). Remote Control Cars Inside Out. Create Space Independent Publishing Platform. ISBN: 1451527381
- 5. Benfield M. (2008). Radio-Control Car Manual: The complete guide to buying, building and maintaining. Haynes Publishing. ISBN: 1844254704

## CURRICULUM of COMPETENCY UNIT (CoCU)

Sub Sector	PHOTOGRAPHY	PHOTOGRAPHY								
Job Area	PHOTOGRAPHY	PHOTOGRAPHY								
Competency Unit Title	SCUBA DIVING	SCUBA DIVING								
Learning Outcome	This Scuba Diving competed procedure. Upon completion of the Plan Diving of the Prepare Diving Education of the Perform Scuba Diving Education of the Prepare	on of this compete quipment iving	•		•	ill in diving acc	ording to specified			
Competency Unit ID	AC-050-3:2012-E02	Level	3	Training Duration	192 hours	Credit Hours	19 hours			

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
1. Plan Diving	<ul> <li>i. Weather condition</li> <li>i.e.;</li> <li>• Weather forecast information</li> <li>• Weather location</li> <li>• Period</li> <li>ii. Dive site condition</li> <li>i.e.;</li> <li>• Location</li> <li>• Water surface condition</li> <li>• Water visibility</li> </ul>			16 hours	Tutorial	<ul> <li>Scuba diving license confirmed according to diving requirement</li> <li>Weather condition confirmed according to diving requirement</li> <li>Dive site condition determined according to diving requirement</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Water temperature     Water current  iii. Diving schedule i.e.;     Period     location  iv. Diving Duration/ time frame  v. Diving equipment  vi. Scuba Diving certificate/ license by i.e.;     Scuba Diving International (SDI)     British Sub Aqua Club (BSAC)     Confederation Mondiale Des Activites Subaquatiques (CMAS)     National Association of Underwater Instructors (NAUI WORLWIDE)     Professional					<ul> <li>Diving duration/time frame determined according to diving requirement</li> <li>Diving schedule produced for diving activity</li> <li>Diving equipment determined for diving activity</li> <li>Diving equipment checklist produced for diving activity</li> <li>Diving requirement checklist produced for diving activity</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Association of Diving Instructors (PADI)  Scuba Schools International (SSI)	<ul> <li>i. Check scuba diving license</li> <li>ii. Identify weather condition</li> <li>iii. Identify dive site condition</li> <li>iv. Identify diving duration/time frame</li> <li>v. Prepare diving schedule</li> <li>vi. Identify diving equipment</li> <li>vii. Prepare required diving equipment checklist</li> </ul>	i. Resourceful of scuba diving procedure ii. Resourceful of weather and environment condition for diving activity	32 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
2. Prepare Diving Equipment	<ul> <li>i. Types of diving equipment i.e.;</li> <li>Mask</li> <li>Snorkel</li> <li>Fins and booties/socks</li> <li>Exposure suits</li> <li>Weights/Belts</li> <li>Buoyancy Compensators (BC)</li> <li>Regulators</li> <li>Tanks(Cylinders)</li> <li>Accessories <ul> <li>Knives</li> <li>Lights</li> <li>Slates</li> <li>Retractors</li> <li>Flags</li> <li>Signalling devices</li> </ul> </li> <li>ii. Diving equipment condition</li> <li>iii. Diving Safety Equipment i.e.;</li> <li>Safety Sausage</li> <li>Scuba Dive</li> </ul>			16 hours	Tutorial	<ul> <li>Diving equipment confirmed according to diving requirement</li> <li>Diving equipment faulty confirmed according to diving requirement</li> <li>Diving equipment faulty fixed</li> <li>Diving safety equipment determined according to diving requirement</li> <li>Diving and safety equipment checklist produced for reference</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	Flag and Float  Whistle GPS Radio Air Horn Dive Surface Marker Buoy Rescue Kit Etc.					
		i. Identify diving equipment ii. Check diving equipment faulty condition iii. Identify diving safety equipment iv. Prepare diving and safety equipment checklist	Resourceful of diving equipment and its function     Analytical mind	32 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
3. Perform Scuba Diving	<ul> <li>i. Diving equipment</li> <li>ii. Diving safety equipment</li> <li>iii. OSHA Diving Regulations</li> <li>iv. Diving Communication system i.e.; • Voice communication • Video communication • Text communication • Non-Verbal communication - Hand signals - Line signals - Light signals - Light signals - Cave line symbols - Sign language - Tap codes - Rattle - Miscellaneous emergency signals - Diver down</li> </ul>			16 hours	Tutorial	<ul> <li>Diving equipment used according to diving requirement</li> <li>Diving safety equipment confirmed according to diving requirement</li> <li>OSHA diving regulations complied</li> <li>Diving communication system used according to diving requirement</li> <li>Safe diving complied</li> </ul>

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
	signals					
		<ul> <li>i. Identify Diving equipment</li> <li>ii. Identify diving safety equipment</li> <li>iii. Apply OSHA diving regulations</li> <li>iv. Identify diving communication system</li> <li>v. Apply safe diving</li> </ul>	i. Comply to OSHA Diving regulation ii. Resourceful of diving communication system iii. Resourceful of diving safety equipment	42 hours	Practical/ Project Assignment/ Case Study/ Demonstration	

Work Activities	Related Knowledge	Related Skills	Attitude / Safety / Environmental	Training Hours	Delivery Mode	Assessment Criteria
5. Repack Diving Equipment	i. Diving equipment     ii. Diving safety     equipment     iii. Packing procedure			8 hours	Tutorial	Used diving and safety equipment determined according to diving requirement
		i. Identify used diving and safety equipment  ii. Repack diving and safety equipment  iii. Arrange diving and safety equipment  iii. Arrange diving and safety equipment	i. Resourceful of dismantle diving equipment  ii. Careful in handling diving equipment	16 hours	Practical/ Project Assignment/ Case Study/ Demonstration	<ul> <li>Diving and safety equipment repacked</li> <li>Diving and safety equipment stored to respective place</li> </ul>

### **Employability Skills**

Core Abilities		Social Skills / Social Values		
01.01	Identify and gather information	Communication skills		
01.11	Apply thinking skills and creativity	2. Conceptual skills		
02.01	Interpret and follow manuals, instructions and SOP's	3. Learning skills		
02.01	interpret and follow manuals, instructions and SOF's	Multitasking and prioritizing		
02.03	Communicate clearly	5. Self-discipline		
03.02	Demonstrate integrity and apply ethical practices	6. Teamwork		
03.03	Accept responsibility for own work and work area	7. Diligence		
03.03		8. Compliance		

03.05	Demonstrate safety skills	
03.06	03.06 Respond appropriately to people and situations	
03.08	Develop and maintain a cooperation within work group	
04.01	Organize own work activities	
04.02	Set and revise own objectives and goals	
04.03	Organize and maintain own workplace	

## Tools, Equipment and Materials (TEM)

ITEMS	RATIO (TEM : Trainees)	
Diving equipment;		
Mask	1:5	
<ul> <li>Snorkel</li> </ul>	1:5	
<ul> <li>Fins and booties/socks</li> </ul>	1:5	
Exposure suits	1:5	
Weights/Belts	1:5	
Buoyancy Compensators (BC)	1:5	
Regulators	1:5	
Tanks(Cylinders)	1:5	
Accessories	1:5	
Diving safety equipment;	4.5	
Safety Sausage	1:5	
Scuba Dive Flag and Float	1:5	
Whistle	1:5	
GPS Radio	1:5	
Air Horn Dive	1:5 1:5	
Surface Marker Buoy	1:5	
Rescue Kit	1.0	

1:5

#### REFERENCES

- 1. Lisa Chin (n.d). OSHA Diving Regulations, Retrieved on 11/10/2012 16:06p.m.http://www.ehow.com/list\_7217604\_osha-diving-regulations.html
- 2. John B. (2007). The Scuba Diving Handbook. Adlard Coles Nautical. ISBN: 0713683627
- 3. John N. & Michael N. (1999). Scuba Diving and Snorkeling For Dummies, Pap/CD-R Ed. John Wiley & Sons. ISBN: 0764551515
- 4. Dennis G.(2009). Scuba Diving, 4th Ed. Human Kinetics. ISBN: 0736079009
- 5. Michael A.(2005).Diver Down: Real-World SCUBA Accidents and How to Avoid Them,1st Ed. International Marine/Ragged Mountain Press. ISBN: 0071445722
- 6. Phillip F.(2008). Diving into Darkness: A True Story of Death and Survival, 1st Ed. St. Martin's Press. ISBN: 0312383940
- 7. Israel A. S.(2012). Scuba Diving Fitness: The Fit And Healthy Diver Manifesto: The Ugly Truth of Fitness in Scuba Diving (Volume 1). Create Space Independent Publishing Platform. ISBN: 1477448691

# **Summary of Training Duration**

No.	COMPETENCY UNIT TITTLE	WORK ACTIVITIES	RELATED KNOWLEDGE	RELATED SKILLS	HOURS	ASSESSMENT (KA & PA)	TOTAL (Hours)
,	Photography Pre-Production	Identify photography job order	80	240	320		
		Search Talent for Photography Shooting	20	20	40		700
1		Prepare Props	80	160	240		760
		Recce Photography Location	40	40	80		
		Prepare Photographic Equipment	40	40	80		
2	Photography Production	Identify Photography Production Requirement	80	240	320		
		Setup Photographic equipment and props	40	80	120		580
		Perform Photography Production Shoot	20	80	100		
		Perform Photography Production Housekeeping	20	20	40		
	Image Post- Production	Identify Image Editing Requirement	40	40	80		
3		Back-Up Image Output	10	20	30		200
3		Edit Image	20	40	60		
		Carry out Photography Image Quality Control	10	20	30		
4	Photography Equipment Maintenance	Identify Equipment Faulty	20	40	60		
		Plan Photography Equipment Maintenance	20	40	60		180
		Perform Photography Equipment Maintenance	20	40	60		

5	Photography Sales Service	Review Customer Record	20	20	40		100
		Carry Out Sales Service Meeting	10	20	30		
		Perform Sales Closing	15	15	30		
	TO	TAL HOURS (CORE Competencies)	605	1215	1820		1820
	Remote Control Photography	Identify Remote Control Photography Requirement	32	50	82		
_		Setup Remote Control Equipment	15	30	45		187
/		Perform Remote Control Shoot	15	15	30		
		Perform Remote Control Maintenance	15	15	30		
	Scuba Diving	Plan Diving	16	32	48		100
		Prepare Diving Equipment	16	32	48		
8		Perform Scuba Diving	16	32	48		192
		Repack Diving Equipement	16	32	48		
	TOTAL HOURS (ELECTIVE Competencies)		141	238	379		758
	TOTAL HOURS (CORE Competencies+ ELELCTIVE Competencies)		746	1453	2199		2578