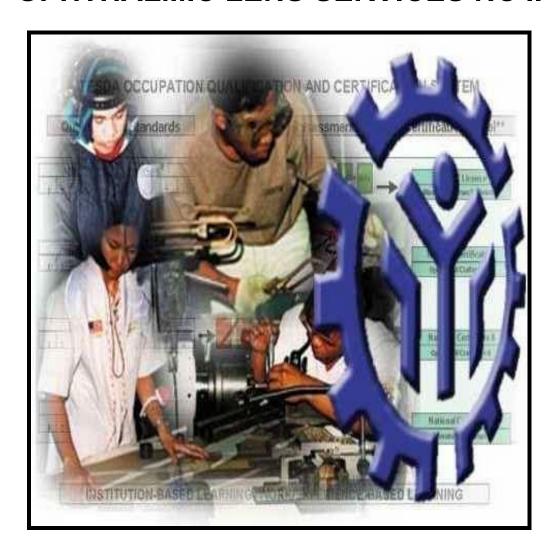
TRAINING REGULATIONS

OPHTHALMIC LENS SERVICES NC II



HEALTH, SOCIAL, AND OTHER COMMUNITY DEVELOPMENT SERVICES SECTOR

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

East Service Road, South Superhighway, Taguig City

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HEALTH, SOCIAL AND OTHER COMMUNITY DEVELOPMENT SERVICES SECTOR

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TRAINING REGULATIONS FOR OPHTHALMIC LENS SERVICES NC II

SECTION 1 OPHTHALMIC LENS SERVICES NC II QUALIFICATION

The OPHTHALMIC LENS SERVICES NC II Qualification consists of competencies that a person must achieve to enable him/her to analyze and interpret ophthalmic lens prescription, edge and mount ophthalmic appliances and apply UV coat/ tint to ophthalmic lenses.

This Qualification is packaged from the competency map of Health, Social and Other Community Development Services Sector as shown in Annex A.

The Units of Competency comprising this Qualification include the following:

CODE NO.	BASIC COMPETENCIES
	Units of Competency
500311105	Participate in workplace communication
500311106	Work in team environment
500311107	Practice career professionalism
500311108	Practice occupational health and safety procedures
CODE NO.	COMMON COMPETENCIES
	Units of Competency
HCS515201	Apply quality standards
HCS515202	Manage own performance
HCS515204	Maintain a safe, clean and efficient environment
HCS515205	Maintain an effective relationship with clients and customers
ICT311201	Operate A Personal Computer
CODE NO.	CORE COMPETENCIES
	Units of Competency
HCS222301	Analyze and interpret ophthalmic lens prescription
HCS222302	Edge and mount ophthalmic appliances
HCS222303	Apply UV coat/ tint to ophthalmic lenses

A person who has achieved this Qualification is competent to be:

Optician

SECTION 2 COMPETENCY STANDARDS

This section gives the details of the contents of the units of competency required in OPHTHALMIC LENS SERVICES NC II. These units of competency are categorized into basic, common and core competencies.

BASIC COMPETENCIES

UNIT OF COMPETENCY: PARTICIPATE IN WORKPLACE COMMUNICATION

UNIT CODE : 500311105

UNIT DESCRIPTOR: This unit covers the knowledge, skills and attitudes required to

gather, interpret and convey information in response to workplace

requirements.

		PERFORMANCE CRITERIA
ELEMENT		Italicized terms are elaborated in the Range of Variables
	1.1	· ·
1. Obtain and convey	1.1	Specific and relevant information is accessed from
workplace	4.0	appropriate sources.
information	1.2	Effective questioning, active listening and speaking skills are
	1.3	used to gather and convey information.
	1.4	Appropriate <i>medium</i> is used to transfer information and ideas. Appropriate non- verbal communication is used.
	1.5	Appropriate lines of communication with supervisors and
	1.5	colleagues are identified and followed.
	1.6	Defined workplace procedures for the location and <i>storage</i> of
	1.0	information are used.
	1.7	Personal interaction is carried out clearly and concisely.
0. Dantinia ata in	2.1	Team meetings are attended on time.
2. Participate in	2.2	Own opinions are clearly expressed and those of others are
workplace meetings and discussions	2.2	listened to without interruption.
and discussions	2.3	Meeting inputs are consistent with the meeting purpose and
	2.0	established <i>protocols</i>
	2.4	Workplace interactions are conducted in a courteous
		manner.
	2.5	Questions about simple routine workplace procedures and
		maters concerning working conditions of employment are
		asked and responded to.
	2.6	Meetings outcomes are interpreted and implemented.
3. Complete relevant	3.1	Range of <i>forms</i> relating to conditions of employment are
work related		completed accurately and legibly.
documents	3.2	Workplace data is recorded on standard workplace forms and
		documents.
	3.3	Basic mathematical processes are used for routine
		calculations.
	3.4	Errors in recording information on forms/ documents are
	0.5	identified and properly acted upon.
	3.5	Reporting requirements to supervisor are completed according
		to organizational guidelines.

VARIABLE		RANGE
Appropriate sources	1.1	Team members
	1.2	Suppliers
	1.3	Trade personnel
	1.4	Local government
	1.5	Industry bodies
2. Medium	2.1	Memorandum
	2.2	Circular
	2.3	Notice
	2.4	Information discussion
	2.5	Follow-up or verbal instructions
	2.6	Face to face communication
3. Storage	3.1	Manual filing system
	3.2	Computer-based filing system
4. Forms	4.1	Personnel forms, telephone message forms, safety reports
5. Workplace	5.1	Face to face
interactions	5.2	Telephone
	5.3	Electronic and two way radio
	5.4	Written including electronic, memos, instruction and forms, non-verbal including gestures, signals, signs and diagrams
6. Protocols	6.1	Observing meeting
	6.2	Compliance with meeting decisions
	6.3	Obeying meeting instructions

1 Critical	aspects of	Asses	ssment requires evidence that the candidate:
	competency	1.1	Prepared written communication following standard format of
		1.1	the organization
		1.2	Accessed information using communication equipment
		1.3	Made use of relevant terms as an aid to transfer information effectively
		1.4	Conveyed information effectively adopting the formal or informal communication
2. Underp		2.1	Effective communication
knowle attitude	dge and	2.2	Different modes of communication
attitude	.5	2.3	Written communication
		2.4	Organizational policies
		2.5	Communication procedures and systems
		2.6	Technology relevant to the enterprise and the individual's work responsibilities
3. Underp	inning skills	3.1	Follow simple spoken language
		3.2	Perform routine workplace duties following simple written notices
		3.3	Participate in workplace meetings and discussions
		3.4	Complete work related documents
		3.5	Estimate, calculate and record routine workplace measures
		3.6	Basic mathematical processes of addition, subtraction, division and multiplication
		3.7	Ability to relate to people of social range in the workplace
		3.8	Gather and provide information in response to workplace Requirements
4. Resour	ce	The fo	ollowing resources MUST be provided:
implica	tions	4.1	Fax machine
		4.2	Telephone
		4.3	Writing materials
		4.4	Internet
	5. Method of assessment	Comp	petency MUST be assessed through:
assess		5.1	Direct Observation
		5.2	Oral interview and written test
6. Contex assess		6.1	Competency may be assessed individually in the actual workplace or through accredited institution

UNIT OF COMPETENCY: WORK IN TEAM ENVIRONMENT

UNIT CODE 500311106

This unit covers the skills, knowledge and attitudes to identify role and responsibility as a member of a team. **UNIT DESCRIPTOR**

	ELEMENT		PERFORMANCE CRITERIA Italicized terms are elaborated in the Range of Variables
1.	Describe team role and scope	1.1	The <i>role and objective of the team</i> is identified from available <i>sources of information</i> .
		1.2	Team parameters, reporting relationships and responsibilities are identified from team discussions and appropriate external sources.
2.	Identify own role and responsibility within	2.1	Individual role and responsibilities within the team environment are identified.
	team	2.2	Roles and responsibility of other team members are identified and recognized.
		2.3	Reporting relationships within team and external to team are identified.
3.	Work as a team member	3.1	Effective and appropriate forms of communications used and interactions undertaken with team members who contribute to known team activities and objectives.
		3.2	Effective and appropriate contributions made to complement team activities and objectives, based on individual skills and competencies and workplace context .
		3.3	Observed protocols in reporting using standard operating procedures.
		3.4	Contribute to the development of team work plans based on an understanding of team's role and objectives and individual competencies of the members.

VARIABLE		RANGE
Role and objective of team	1.1	Work activities in a team environment with enterprise or specific sector
	1.2	Limited discretion, initiative and judgement maybe demonstrated on the job, either individually or in a team environment
2. Sources of	2.1	Standard operating and/or other workplace procedures
information	2.2	Job procedures
	2.3	Machine/equipment manufacturer's specifications and instructions
	2.4	Organizational or external personnel
	2.5	Client/supplier instructions
	2.6	Quality standards
	2.7	OHS and environmental standards
3. Workplace context	3.1	Work procedures and practices
	3.2	Conditions of work environments
	3.3	Legislation and industrial agreements
	3.4	Standard work practice including the storage, safe handling and disposal of chemicals
	3.5	Safety, environmental, housekeeping and quality guidelines

Critical aspects of	Asse	ssment requires evidence that the candidate:	
competency	1.1	Operated in a team to complete workplace activity	
	1.2	Worked effectively with others	
	1.3	Conveyed information in written or oral form	
	1.4	Selected and used appropriate workplace language	
	1.5	Followed designated work plan for the job	
	1.6	Reported outcomes	
2. Underpinning	2.1	Communication process	
knowledge and attitudes	2.2	Team structure	
	2.3	Team roles	
	2.4	Group planning and decision making	
3. Underpinning skills	3.1	Communicate appropriately, consistent with the culture of the workplace	
4. Resource	The following resources MUST be provided:		
implications	4.1	Access to relevant workplace or appropriately simulated environment where assessment can take place	
	4.2	Materials relevant to the proposed activity or tasks	
5. Method of	Com	petency may be assessed through:	
assessment	5.1	Observation of the individual member in relation to the work activities of the group	
	5.2	Observation of simulation and or role play involving the participation of individual member to the attainment of organizational goal	
	5.3	Case studies and scenarios as a basis for discussion of issues and strategies in teamwork	
6. Context of assessment	6.1	Competency may be assessed in workplace or in a simulated workplace setting	
	6.2	Assessment shall be observed while task are being undertaken whether individually or in group	

UNIT OF COMPETENCY: PRACTICE CAREER PROFESSIONALISM

UNIT CODE : 500311107

UNIT DESCRIPTOR: This unit covers the knowledge, skills and attitudes in promoting

career growth and advancement.

ELEMENT		PERFORMANCE CRITERIA Italicized terms are elaborated in the Range of Variables
Integrate personal	1.1	Personal growth and work plans are pursued towards
objectives with		improving the qualifications set for the profession.
organizational goals	1.2	Intra- and interpersonal relationships is are maintained in the
		course of managing oneself based on performance
		evaluation.
	1.3	Commitment to the organization and its goal is demonstrated
		in the performance of duties.
2. Set and meet work	2.1	Competing demands are prioritized to achieve personal, team
priorities		and organizational goals and objectives.
	2.2	Resources are utilized efficiently and effectively to manage
		work priorities and commitments.
	2.3	Practices along economic use and maintenance of equipment
		and facilities are followed as per established procedures.
3. Maintain professional	3.1	Trainings and career opportunities are identified and
growth and		availed of based on job requirements.
development	3.2	Recognitions are -sought/received and demonstrated as
		proof of career advancement.
	3.3	Licenses and/or certifications relevant to job and career are
		obtained and renewed.

VARIABLE		RANGE
1. Evaluation	1.1	Performance Appraisal
	1.2	Psychological Profile
	1.3	Aptitude Tests
2. Resources	2.1	Human
	2.2	Financial
	2.3	Technology
		2.3.1 Hardware
		2.3.2 Software
3. Trainings and career	3.1	Participation in training programs
opportunities		3.1.1 Technical
		3.1.2 Supervisory
		3.1.3 Managerial
		3.1.4 Continuing Education
	3.2	Serving as Resource Persons in conferences and workshops
4. Recognitions	4.1	Recommendations
	4.2	Citations
	4.3	Certificate of Appreciations
	4.4	Commendations
	4.5	Awards
	4.6	Tangible and Intangible Rewards
5. Licenses and/or	5.1	National Certificates
certifications	5.2	Certificate of Competency
	5.3	Support Level Licenses
	5.4	Professional Licenses

1. Critical aspects of	Assessment requires evidence that the candidate:
competency	1.1 Attained job targets within key result areas (KRAs)
	1.2 Maintained intra - and interpersonal relationship in the course of managing oneself based on performance evaluation
	1.3 Completed trainings and career opportunities which are based on the requirements of the industries
	1.4 Acquired and maintained licenses and/or certifications according to the requirement of the qualification
Underpinning knowledge and	2.1 Work values and ethics (Code of Conduct, Code of Ethics, etc.)
attitudes	2.2 Company policies
	2.3 Company-operations, procedures and standards
	2.4 Fundamental rights at work including gender sensitivity
	2.5 Personal hygiene practices
3. Underpinning skills	3.1 Appropriate practice of personal hygiene
	3.2 Intra and Interpersonal skills
	3.3 Communication skills
4. Resource	The following resources MUST be provided:
implications	4.1 Workplace or assessment location
	4.2 Case studies/scenarios
5. Method of	Competency may be assessed through:
assessment	5.1 Portfolio Assessment
	5.2 Interview
	5.3 Simulation/Role-plays
	5.4 Observation
	5.5 Third Party Reports
	5.6 Exams and Tests
6. Context of assessment	6.1 Competency may be assessed in the work place or in a simulated work place setting.

UNIT OF COMPETENCY: PRACTICE OCCUPATIONAL HEALTH AND SAFETY

PROCEDURES

UNIT CODE : 500311108

UNIT DESCRIPTOR : This unit covers the outcomes required to comply with regulatory

and organizational requirements for occupational health and safety.

ELEMENT		PERFORMANCE CRITERIA
ELEIVIEN I		Italicized terms are elaborated in the Range of Variables
Identify hazards and risks	1.1	Safety regulations and workplace safety and hazard control practices and procedures are clarified and explained based on organization procedures.
	1.2	Hazards/risks in the workplace and their corresponding indicators are identified to minimize or eliminate risk to coworkers, workplace and environment in accordance with organization procedures.
	1.3	Contingency measures during workplace accidents, fire and other emergencies are recognized and established in accordance with organization procedures.
Evaluate hazards and risks	2.1	Terms of maximum tolerable limits which when exceeded will result in harm or damage are identified based on threshold limit values (TLV).
	2.2	Effects of the hazards are determined.
	2.3	OHS issues and/or concerns and identified safety hazards are reported to designated personnel in accordance with workplace requirements and relevant workplace OHS legislation.
Control hazards and risks	3.1	Occupational Health and Safety (OHS) procedures for controlling hazards/risks in workplace are consistently followed.
	3.2	Procedures for dealing with workplace accidents, fire and emergencies are followed in accordance with organization OHS policies.
	3.3	Personal protective equipment (PPE) is correctly used in accordance with organization OHS procedures and practices.
	3.4	Appropriate assistance is provided in the event of a workplace emergency in accordance with established organization protocol.
Maintain OHS awareness	4.1	Emergency-related drills and trainings are participated in as per established organization guidelines and procedures.
	4.2	OHS personal records are completed and updated in accordance with workplace requirements.

VARIABLE	RANGE
Safety regulations	May include but are not limited to:
1. Calcty regulations	1.1 Clean Air Act
	1.2 Building code
	1.3 National Electrical and Fire Safety Codes
	1.4 Waste management statutes and rules
	1.5 Philippine Occupational Safety and Health Standards
	1.6 DOLE regulations on safety legal requirements
	1.7 ECC regulations
2. Hazards/Risks	May include but are not limited to:
	2.1 Physical hazards – impact, illumination, pressure, noise,
	vibration, temperature, radiation
	2.2 Biological hazards- bacteria, viruses, plants, parasites,
	mites, molds, fungi, insects
	2.3 Chemical hazards – dusts, fibers, mists, fumes, smoke, gasses, vapors
	2.4 Ergonomics
	Psychological factors – over exertion/ excessive force,
	awkward/static positions, fatigue, direct pressure, varying
	metabolic cycles
	 Physiological factors – monotony, personal relationship,
	work out cycle
3. Contingency	May include but are not limited to:
measures	3.1 Evacuation
	3.2 Isolation
	3.3 Decontamination
	3.4 Calling designated emergency personnel
4. PPE	May include but are not limited to:
	4.1 Mask
	4.2 Gloves
	4.3 Goggles
	4.4 Hair Net/cap/bonnet
	4.5 Face mask/shield
	4.6 Ear muffs 4.7 Apron/Gown/coverall/jump suit
	4.7 Apron/Gown/coverall/jump suit 4.8 Anti-static suits
5. Emergency-related	5.1 Fire drill
drills and training	5.2 Earthquake drill
armo aria trailling	5.3 Basic life support/CPR
	5.4 First aid
	5.5 Spillage control
	5.6 Decontamination of chemical and toxic
	5.7 Disaster preparedness/management
6. OHS personal	6.1 Medical/Health records
records	6.2 Incident reports
	6.3 Accident reports
	6.4 OHS-related training completed

indicators in accordance with company procedures 1.3 Recognized contingency measures during workplace accidents, fire and other emergencies 1.4 Identified terms of maximum tolerable limits based on threshold limit value- TLV. 1.5 Followed Occupational Health and Safety (OHS) procedure for controlling hazards/risks in workplace 1.6 Used Personal Protective Equipment (PPE) in accordance with company OHS procedures and practices 1.7 Completed and updated OHS personal records in accordan with workplace requirements 2. Underpinning knowledge and attitudes 2.1 OHS procedures and practices and regulations 2.2 PPE types and uses 2.3 Personal hygiene practices 2.4 Hazards/risks identification and control	I.	Chilical aspects of	1 4000	cement tentified entretice that the caudinale.
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knowledge and 2.2 PPE types and uses attitudes 2.3 Personal hygiene practices 2.4 Hazards/risks identification and control				with workplace requirements
attitudes 2.3 Personal hygiene practices 2.4 Hazards/risks identification and control	2.			
2.4 Hazards/risks identification and control		knowledge and		PPE types and uses
		attitudes	2.3	Personal hygiene practices
2.5 Threshold Limit Value -TLV				
				Threshold Limit Value -TLV
2.6 OHS indicators				
2.7 Organization safety and health protocol				
2.8 Safety consciousness				
2.9 Health consciousness				
3. Underpinning 3.1 Practice of personal hygiene	3.			
skills 3.2 Hazards/risks identification and control skills		skills		
3.3 Interpersonal skills				
3.4 Communication skills	<u></u>			
4. Resource The following resources MUST be provided:	4.			
implications 4.1 Workplace or assessment location	1	implications		•
4.2 OHS personal records	1			•
4.3 PPE			4.3	PPE
5. Method of Competency may be assessed through:	5.	Method of	Com	petency may be assessed through:
assessment 5.1 Portfolio Assessment				
5.2 Interview				
6. Context of 6.1 Competency may be assessed in the work place or in a	6.	Context of	6.1	Competency may be assessed in the work place or in a
assessment simulated work place setting		assessment		simulated work place setting

COMMON COMPETENCIES

UNIT OF COMPETENCY: APPLY QUALITY STANDARDS

UNIT CODE : HCS515204

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes needed to apply

quality standards in the workplace. The unit also includes the application of relevant safety procedures and regulations, salon/organizational procedures and other client requirements.

ELEMENT		PERFORMANCE CRITERIA Italicized terms are elaborated in the Range of Variables
Assess clients service needs	1.1	Work instruction is obtained and work is carried out in accordance with standard operating procedures.
	1.2	Clients needs are checked against workplace standards and specifications.
	1.3	Faults on clients and any identified causes are recorded and/or reported to the supervisor concerned in accordance with workplace procedures.
	1.4	Clients profile and service extended to them are documented in accordance with workplace procedures.
2. Assess own work	2.1	Documentation relative to quality within the company is identified and used.
	2.2	Completed work is checked against workplace standards relevant to the task undertaken.
	2.3	Errors are identified and improved on.
	2.4	Information on the quality and other indicators of individual performance is recorded in accordance with workplace procedures.
	2.5	In cases of deviations from specific <i>quality standards</i> , causes are documented and reported in accordance with the workplace' standard operating procedures.
Engage in quality improvement	3.1	Process improvement procedures are participated in relative to workplace assignment.
	3.2	Work is carried out in accordance with process improvement procedures.
	3.3	Performance of operation or quality of product of service to ensure other <i>client</i> satisfaction is monitored.

VARIABLE	RANGE	
1. Clients	Limited to:	
	1.1 Eye practitioners	
	1.2 Optical shops/clinics	
	1.3 Optical laboratory	
2. Faults	May include but not limited to:	
	2.1 Result is within the accepted standards	
	2.2 Procedures done but do not conform with any relevant standards	
	2.3 Damaged caused to client	
3. Documentation	3.1 Organization work procedures	
	3.2 Manufacturer's instruction manual	
	3.3 Client requirements	
	3.4 Forms	
4. Errors	May be related to the following:	
	4.1 Deviation from the requirements of the client	
	4.2 Deviation from the requirements of the salon/organization	
5. Quality Standards	May be related but not limited to the following:	
	5.1 Supplies and materials	
	5.2 Facilities	
	5.3 Salon Product	
	5.4 Service Processes and Procedures	
	5.5 Client Service	
	5.6 Environmental Regulations	
6. Client	6.1 Co-worker	
	6.2 Supplier/vendor	
	6.3 Client	
	6.4 Organization receiving the product or service	

Underpinning knowledge and attitudes 2.1 Relevant production processes, materials and products 2.2 Characteristics of materials, software and hardware used in production processes 2.3 Quality checking procedures 2.4 Client relations 2.5 Work place procedures 2.6 Safety and environmental aspects of service processes		
2. Underpinning knowledge and attitudes 2. Underginning chowledge and attitud	-	Assessment requires evidence that the candidate:
1.3 Reported errors or deviations not in accordance with standard operating procedures. 1.4 Carried out work in accordance with the process improvement 2. Underpinning knowledge and attitudes 2.1 Relevant production processes, materials and products 2.2 Characteristics of materials, software and hardware used in production processes 2.3 Quality checking procedures 2.4 Client relations 2.5 Work place procedures 2.6 Safety and environmental aspects of service processes	competency	· · · · · · · · · · · · · · · · · · ·
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Underpinning knowledge and attitudes 2.1 Relevant production processes, materials and products 2.2 Characteristics of materials, software and hardware used in production processes 2.3 Quality checking procedures 2.4 Client relations 2.5 Work place procedures 2.6 Safety and environmental aspects of service processes		·
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attitudes 2.2 Characteristics of materials, software and nardware used in production processes 2.3 Quality checking procedures 2.4 Client relations 2.5 Work place procedures 2.6 Safety and environmental aspects of service processes		2.1 Relevant production processes, materials and products
2.4 Client relations2.5 Work place procedures2.6 Safety and environmental aspects of service processes	•	
2.5 Work place procedures2.6 Safety and environmental aspects of service processes		2.3 Quality checking procedures
2.6 Safety and environmental aspects of service processes		2.4 Client relations
		2.5 Work place procedures
2.7 Error identification and reporting		2.6 Safety and environmental aspects of service processes
2.7 Error idonation and reporting		2.7 Error identification and reporting
2.8 Quality improvement processes		2.8 Quality improvement processes
3. Underpinning skills 3.1 Reading skills required to interpret work instructions, product manufacturer's requirements	3. Underpinning skills	
3.2 Communication skills needed to interpret and apply defined work procedures		3.2 Communication skills needed to interpret and apply defined work procedures
3.3 Carry out work in accordance with OHS policies and procedure		3.3 Carry out work in accordance with OHS policies and procedures
3.4 Critical thinking		3.4 Critical thinking
3.5 Solution providing and decision making		3.5 Solution providing and decision making
3.6 Interpersonal skills or dealing with varied type of clients		3.6 Interpersonal skills or dealing with varied type of clients
4. Resource The following resources MUST be provided:		The following resources MUST be provided:
implications 4.1 Materials	implications	4.1 Materials
4.2 Product		4.2 Product
4.3 Equipment		4.3 Equipment
5. Method of Competency may be assessed through:	•	Competency may be assessed through:
assessment 5.1 Observation with oral questioning	assessment	5.1 Observation with oral questioning
5.2 Third Party Report		5.2 Third Party Report
5.3 Practical Demonstration		5.3 Practical Demonstration
6. Context of assessment may be conducted in the workplace or in a simulated environment.		

UNIT OF COMPETENCY: MANAGE OWN PERFORMANCE

UNIT CODE HCS516202

This unit covers the knowledge, skills and attitudes required in effectively managing own workload and quality of work. **UNIT DESCRIPTOR**

ELEMENT		PERFORMANCE CRITERIA Italicized terms are elaborated in the Range of Variables
1. Plan for completion of	1.1	Tasks accurately identified.
own workload	1.2	Priority allocated to each task.
	1.3	Time lines allocated to each task or series of tasks.
	1.4	Tasks deadlines known and complied with whenever possible.
	1.5	Work schedules are known and completed within agreed time frames.
	1.6	Work plans developed according to assignment requirements and employer policy.
	1.7	Uncompleted work or tasks detailed and responsibility for completion passed to incoming shift or other appropriate persons.
Maintain quality of own performance	2.1	Personal performance continually monitored against agreed performance standards.
om ponomiano	2.2	Advice and guidance sought when necessary to achieve or maintain agreed standards.
	2.3	Guidance from management applied to achieve or maintain agreed standards.
	2.4	Standard of work clarified and agreed according to employer policy and procedures.
Build credibility with customers/clients	3.1	Client expectations for reliability, punctuality and appearance adhered to.
	3.2	Possible causes of client/customer dissatisfaction identified, dealt with and recorded according to employer policy.
	3.3	Client fully informed of all relevant security matters in a timely manner and according to agreed reporting procedures.

VARIABLE	RANGE
1. Tasks	1.1 May identified through:
	1.1.1 Assignment instructions
	1.1.2 Verbal Instructions by senior officer
	1.1.3 Policy Documents
	1.1.4 Duty Statements
	1.1.5 Self Assessment
	1.2 May be:
	1.2.1 Daily tasks
	1.2.2 Weekly tasks
	1.2.3 Regularly or irregularly occurring tasks
2. Performance	May include:
standards	2.1 Assignment Instructions
	2.2 Procedures established in policy documents

Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Planned for completion of own workload.
Competency	1.2 Assessed verbal or written work plan through observation and
	discussion of site and employer requirements.
	1.3 Demonstrated capacity to complete task within specified time
	frame.
	1.4 Maintained quality of own performance.
2. Underpinning	2.1 Site and assignment requirements
knowledge and	2.2 Employer policy on performance management
attitudes	2.3 Indicators of appropriate performance for each area of
	responsibility
	2.4 Steps for improving or maintaining performance
3. Underpinning skills	3.1 Capacity to plan and prioritize security work loads and
	requirements
	3.2 Time and task management
4. Resource	The following resources MUST be provided:
implications	4.1 Assessment Centers/Venues
	4.2 Accredited Assessors
	4.3 Modes of Assessment
	4.4 Evaluation Reports
	4.5 Access to a relevant venue, equipment and materials
	4.6 Assignment Instructions
	4.7 Logbooks
	4.8 Operational manuals and makers'/customers' instructions
	(if relevant)
	4.9 Assessment Instruments, including personal planner and
	assessment record book
5. Method of	Competency may be assessed through:
assessment	5.1 Written Test/Examination
	5.2 Demonstration with questioning
	5.3 Observation with questioning
6. Context of	6.1 Company
assessment	6.2 On-Site
assessment	6.3 Assessment activities are carried out through TESDA accredited
	assessment centers/venues by using closely simulated
	workplace environment.
	6.4 Continuous assessment in an institutional setting that stimulates
	the conditions of performance describe in the elements,
	·
	performance criteria and range of variables statement that make
	up this unit.
	6.5 Continuous assessment in the workplace, taking into account the range of variables affecting performance.
	6.6 Self-assessment on the same terms as those described above.
	6.7 Simulated assessment or critical incident assessment, provided
	that the critical incident involves assessment against
	performance criteria and an evaluation of underpinning
	knowledge and skill required to achieve the required
	performance criteria.

UNIT OF COMPETENCY: MAINTAIN A SAFE, CLEAN AND EFFICIENT WORK

ENVIRONMENT

UNIT CODE : HCS515205

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes needed to

maintain client relations. The unit incorporates the work safety guidelines. It encompasses competencies necessary to maintain a safe workplace for staff, clients and others. It also involves the application of health regulations, including personal hygiene

practiced by staff members, provision of a caring client environment

and the efficient operation of the salon.

ELEMENT		PERFORMANCE CRITERIA
		Italicized terms are elaborated in the Range of Variables
Comply with health	1.1	Salon policies and procedures for personal hygiene applied.
regulations	1.2	Procedures and practices implemented in a variety of salon
		situations in accordance with state and local government
0. 4	0.4	health regulations.
2. Assess own work	2.1	Reception, work areas and walkways maintained in a safe,
	2.2	uncluttered and organized manner according to salon policy.
	2.2	All routines carried out safely, effectively with minimum inconvenience to clients and staff.
	2.3	Waste is stored and disposed of according to OHSC
	2.5	requirements.
	2.4	Spills, food, waste, hair or potential hazards promptly
		removed from floors according to salon policy.
	2.5	Spills, food, waste, hair or other potential hazards promptly
		removed from floors according to salon policy.
	2.6	Linen is stored, cleaned and disinfected in line with OHS
		requirements and salon procedures.
	2.7	Refreshments are provided to all clients.
3. Check and maintain	3.1	Tools and equipment are stored safely and in position to
tools and equipment		comply with salon requirements and local health regulations.
	3.2	Tools and equipment are prepared for specific services as
		required.
	3.3	Tools and equipment are checked for maintenance
	2.4	requirements.
4. Check and maintain	3.4	Tools and equipment are referred for repair as required. Stock rotation procedures are carried out routinely and
stocks	4.1	accurately according to salon procedures.
Stocks	4.2	Stock levels are accurately recorded according to salon
	7.2	procedures.
	4.3	Under or over supplied stock items are notified immediately to
		the salon supervisor.
	4.4	Incorrectly ordered or delivered stock is referred to the salon
		supervisor for return to supplier.
	4.5	Safe lifting and carrying techniques maintained in line with
		salon occupational health and safety policy and government
		legislation.
5. Provide a relaxed		Clients are made to feel comfortable according to salon policy.
and caring		Clients' needs are reported to.
environment	5.3	Clients are consulted on specific desired service.

VARIABLE	RANGE	
Relevant salon	May include but not limited to:	
policies and procedures	1.1 Hazard Policies and Procedures	
p	1.2 Emergency, Fire and Accident Procedures	
	1.3 Personal Safety Procedures	
	1.4 Procedures for the use of Personal protective Clothing and Equipment	
	1.5 Hazard Identification	
	1.6 Job Procedures	
2. Occupational health	May include but not limited to:	
and safety procedures	2.1 Client	
procedures	2.2 Staff	
	2.3 Equipment/Tools	
	2.4 Premises	
	2.5 Stock	
3. Unsafe situations	May include but not limited to:	
	3.1 Damaged Packaging Material or Containers	
	3.2 Broken or Damaged Equipment	
	3.3 Inflammable Materials and Fire Hazards	
	3.4 Lifting Practices	
	3.5 Spillages	
	3.6 Waste including hair especially on floors	
	3.7 Trolleys	
4. Linkage	May be related to the following:	
	4.1 Institutional	
	4.2 Organizational Linkage	
	4.3 Social Services	
	4.4 International Market	

Critical aspects of competency	Assessment requires evidence that the candidate:
competency	1.1 Generated information on different client requirements and needs.
	1.2 Selected and used strategies to accurately analyzed the client requirements.
	1.3 Assessed current product and services as against client demand.
	1.4 Identified avenues to establish relevant linkage
	1.5 Selected promotional activities relevant to enhance competitiveness of salon.
	1.6 Assisted clients on specific desired services.
	1.7 Checked and prepared tools for the specific salon activities.
2. Underpinning	2.1 Media Options
knowledge and attitudes	2.2 Data Gathering
	2.3 Salon Policies
	2.4 International Market
	2.5 Skills Competition Rules and Procedures
	2.6 New Trends in Products and Services
	2.7 Ethical Limitations
3. Underpinning skills	3.1 Communication skills to identify lines of communication, request advice, follow instructions and receive feedback.
	3.2 Technology Skills
	3.3 Interpersonal Skills
4. Resource	The following resources MUST be provided:
implications	4.1 Client
	4.2 Relevant Information
	4.3 Appropriate Products
5. Method of	Competency MUST be assessed through:
assessment	5.1 Observation with questioning
	5.2 Practical Demonstration with questioning
6. Context of	6.1 Assessment may be conducted in the workplace or in a
assessment	simulated environment

UNIT OF COMPETENCY: MAINTAIN AN EFFECTIVE RELATIONSHIP WITH

CLIENTS/CUSTOMERS

UNIT CODE : HCS516201

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required in

building and maintaining an effective relationship with clients,

customers and the public.

ELEMENT		PERFORMANCE CRITERIA Italicized Bold terms are elaborated in the Range of Variables
Maintain a professional image	1.1	Uniform and personal grooming maintained to assignment requirements.
	1.2	Personal presence maintained according to employer standards.
	1.3	Visible work area kept tidy and uncluttered.
	1.4	Equipment stored according to assignment requirements.
Meet client/customer requirements	2.1	Client requirements identified and understood by referral to the assignment instructions .
	2.2	Client requirements met according to the assignment instructions.
	2.3	Changes to <i>client's needs and requirements</i> monitored and <i>appropriate action taken</i> .
	2.4	All communication with the client or <i>customer</i> is clear and complies with assignment requirements.
Build credibility with customers/clients	3.1	Client expectations for reliability, punctuality and appearance adhered to.
	3.2	Possible causes of client/customer dissatisfaction identified, dealt with and recorded according to employer policy.
	3.3	Client fully informed of all relevant security matters in a timely manner and according to agreed reporting procedures.

VARIABLE	RANGE
Personal Presence	May include:
	1.1 Stance
	1.2 Posture
	1.3 Body Language
	1.4 Demeanor
	1.5 Grooming
2. Employer Standards	May include:
	2.1 Standing Orders
3. Client Requirements	May include:
	3.1 Assignment Instructions
	3.2 Post Orders
	3.3 Scope to modify instructions/orders in light of changed situations
4. Assignment	May be conveyed in:
Instructions	4.1 Writing
	4.2 Verbally
	4.3 Electronically
5. Client's Needs and	May be detected by:
Requirements	5.1 Review of the client brief and/or assignment instructions
	5.2 Discussion with the client/customer
6. Appropriate Action	May include:
	6.1 Implementing required changes
	6.2 Referral to appropriate employer personnel
	6.3 Clarification of client needs and instructions
7. Customers	May include:
	7.1 All members of the public

competency 1.1 Maintained a professional image. 1.2 Interpreted client/customer requirements from information contained in the client brief and/or assignment instructions. 1.3 Dealt successfully with a variety of client/customer interactions. 1.4 Monitored and acted on changing client or customer needs. 1.5 Met client/customer requirements. 1.6 Built credibility with customers/clients. 2.1 Underpinning knowledge and attitudes 2.2 Occupational Health and safety requirement for the assignment end cumentation 3.1 Underpinning skills 3.1 Attention to detail when completing client/employer documentation 3.2 Interpersonal and communication skills required in client contact assignments 3.3 Customer service skills required to meet client/customer needs 3.4 Punctuality 3.5 Customer Service 3.6 Telephone Technique 3.7 Problem Solving and Negotiation 3.8 Maintaining Records 4. Resource implications 4. Resource the following resources MUST be provided: 4.1 Assessment Centers/Venues 4.2 Accredited Assessors 4.3 Modes of Assessment 4.4 Evaluation Reports 4.5 Access to a relevant venue, equipment and materials 4.6 Assignment Instructions 4.7 Logbooks 4.8 Operational manuals and makers'/customers' instructions (if relevant) 4.9 Assessment Instruments, including personal planner and assessment record book 5. Method of assessment 5.1 Written Test 5.2 Demonstration with questioning		
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3.4 Punctuality 3.5 Customer Service 3.6 Telephone Technique 3.7 Problem Solving and Negotiation 3.8 Maintaining Records 4. Resource implications The following resources MUST be provided: 4.1 Assessment Centers/Venues 4.2 Accredited Assessors 4.3 Modes of Assessment 4.4 Evaluation Reports 4.5 Access to a relevant venue, equipment and materials 4.6 Assignment Instructions 4.7 Logbooks 4.8 Operational manuals and makers'/customers' instructions (if relevant) 4.9 Assessment Instruments, including personal planner and assessment record book 5. Method of assessment 5.1 Written Test 5.2 Demonstration with questioning		assignments
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3.6 Telephone Technique 3.7 Problem Solving and Negotiation 3.8 Maintaining Records 4. Resource implications The following resources MUST be provided: 4.1 Assessment Centers/Venues 4.2 Accredited Assessors 4.3 Modes of Assessment 4.4 Evaluation Reports 4.5 Access to a relevant venue, equipment and materials 4.6 Assignment Instructions 4.7 Logbooks 4.8 Operational manuals and makers'/customers' instructions (if relevant) 4.9 Assessment Instruments, including personal planner and assessment record book 5. Method of assessment Competency may be assessed through: 5.1 Written Test 5.2 Demonstration with questioning		3.4 Punctuality
3.7 Problem Solving and Negotiation 3.8 Maintaining Records 4. Resource implications The following resources MUST be provided: 4.1 Assessment Centers/Venues 4.2 Accredited Assessors 4.3 Modes of Assessment 4.4 Evaluation Reports 4.5 Access to a relevant venue, equipment and materials 4.6 Assignment Instructions 4.7 Logbooks 4.8 Operational manuals and makers'/customers' instructions (if relevant) 4.9 Assessment Instruments, including personal planner and assessment record book 5. Method of assessment Competency may be assessed through: 5.1 Written Test 5.2 Demonstration with questioning		3.5 Customer Service
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4.9 Assessment Instruments, including personal planner and assessment record book 5. Method of assessment		4.8 Operational manuals and makers'/customers' instructions
assessment record book 5. Method of assessment		(if relevant)
5. Method of assessment Competency may be assessed through: 5.1 Written Test 5.2 Demonstration with questioning		4.9 Assessment Instruments, including personal planner and
assessment 5.1 Written Test 5.2 Demonstration with questioning		assessment record book
5.2 Demonstration with questioning	5. Method of	Competency may be assessed through:
·	assessment	
·		5.2 Demonstration with questioning
5.3 Observation with questioning		5.3 Observation with questioning

6. Context for	6.1 Company
assessment	6.2 On-Site
	6.3 Assessment activities are carried out through TESDA accredited assessment centers/venues by using closely simulated workplace environment.
	6.4 Continuous assessment in an institutional setting that stimulates the conditions of performance describe in the elements,
	performance criteria and range of variables statement that make up this unit.
	6.5 Continuous assessment in the workplace, taking into account the range of variables affecting performance.
	6.6 Self-assessment on the same terms as those described above.
	6.7 Simulated assessment or critical incident assessment, provided that the critical incident involves assessment against
	performance criteria and an evaluation of underpinning
	knowledge and skill required to achieve the required
	performance criteria.

UNIT TITLE : OPERATE A PERSONAL COMPUTER

UNIT CODE : ICT311201

UNIT DESCRIPTOR: This unit defines the competency required to operate a personal

computer by: starting the PC, logging in, using and working with files, folders and programs, saving work, and closing down the PC.

		PERFORMANCE CRITERIA
	ELEMENT	Italicized Bold terms are elaborated in the Range of Variables
1.	Start the computer	 1.1 The <i>peripheral devices</i> are properly connected 1.2 Power is checked and the <i>computer</i> and peripheral devices are switched on 1.3 Proper logging in and logging off is successfully done 1.4 The <i>operating system</i> features and functions are accessed and navigated 1.5 Hardware configuration and other <i>system features</i> are checked
2.	Arrange and customize desktop display/ Windows settings	 2.1 The desktop screen or Windows elements are changed as needed 2.2 Desktop icons are added, renamed, moved, copied or deleted 2.3 The <i>online help functions</i> are accessed or used as needed 2.4 Desktop icons of <i>application programs</i> are selected, opened and closed 2.5 <i>Properties</i> of icons are displayed 2.6 Computer or desktop settings are saved and restored
3.	Work with files and folders (or directories)	 3.1 A file or folder is created, opened, moved, renamed or copied 3.2 Files are located, deleted and restored 3.3 Details and properties of files and folders are displayed or viewed 3.4 <i>Various files</i> are organized for easy lookup and use 3.5 Files and information are searched 3.6 <i>Disks</i> are checked, erased or formatted as necessary
4.	Work with user application programs	 4.1 Application programs are added, changed, removed or ran 4.2 User software or application program are installed, updated and upgraded 4.3 Information/data are moved between documents or files
5.	Print information	 5.1 Printer is added or installed and correct <i>printer settings</i> is ensured 5.2 Default printer is assigned accordingly 5.3 Information or document is printed on the installed printer 5.4 Progress of print jobs are viewed and deleted as required
6.	Shut down computer	6.1 All open application programs are closed6.2 Computer and peripheral devices are properly shut down

VARIABLE	RANGE		
Peripheral device	This may include but is not limited to: 1.1 mouse 1.2 keyboard 1.3 monitor or visual display unit 1.4 printer 1.5 scanner		
2. Computer	May include: 2.1 Laptops/notebooks 2.2 Workstations 2.3 Servers 2.4 other personal computer devices		
3. Application programs	Can include: 3.1 user programs 3.2 database programs 3.3 word processors 3.4 email programs 3.5 Internet browsers 3.6 system browsers 3.7 spreadsheets		
4. Operating system	May include but is not limited to the various versions and variants of: 4.1 Windows 4.2 NT 4.3 Mac OS 4.4 Linux 4.5 Solaris 4.6 Unix		
5. System features	May include but is not limited to the operating system features and hardware features like: 5.1 memory size 5.2 disk capacities 5.3 video cards 5.4 USBs 5.5 Modems 5.6 1394 and LAN connectors 5.7 SD and PC cards 5.8 wireless and infrared connections.		

VARIABLE	RANGE
6. Online help functions	6.1 An instruction manual, or a portion of the manual, integrated and accessible from within the program or software being used.
7. Properties	Indicates the description of the file or folder to include the: 7.1 file name 7.2 type of file 7.3 file size 7.4 date created and modified 7.5 attributes (hidden, read-only).
8. Various files	8.1 Documents 8.2 Records 8.3 Pictures 8.4 Music 8.5 Video
9. Disks	May include but is not limited to: 9.1 Floppy disks 9.2 CDs 9.3 CD-RW (Compact discs-Read/Write) 9.4 DVD RW 9.5 zip disks 9.6 flash drives 9.7 memory sticks 9.8 hard drives
10.Printer settings	The properties of the printer that enables it to work includes: 10.1 page layout 10.2 paper size 10.3 ink/cartridge type 10.4 number of copies 10.5 page orientation.

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1.	Critical aspects of Competency	1.1	Assessment must confirm the ability to utilize software, navigate the desktop, using system features to perform tasks and save results of work.
2.	2. Underpinning		wledge includes:
	Knowledge	2.1	Keyboard layout and functions
		2.2	Computer functions
		2.3	Basic parts of a computer and various hardware components
		2.4	Storage devices and file concepts
		2.5	Basic software operation and functionalities
3.	Underpinning	Skill	s include:
	Skills	3.1	Saving and retrieving files to and from various folders or disk storage
		3.2	Mouse and keyboarding skills for running software applications
		3.3	Reading and writing at a level where basic workplace documents are understood
		3.4	Clear ability to communicate with peers and supervisors
		3.5	Interpretation of user manuals and help functions
		3.6	The ability to carry out written and verbal instructions using a personal computer whether standalone or in a networked environment
4.	Resource Implications		emonstrate competence in this unit access to the following urces will be required:
		4.1	A personal computer
		4.2	A printer
		4.3	Mouse and keyboard
		4.4	Basic systems software
5.	Methods of	Com	petency may be assessed through:
	Assessment	5.1	Observation in a workplace or simulated environment
		5.2	Third party reports
		5.3	Exams and tests
		5.4	Demonstration of required skills
		5.5	Interviews
6.	Context for Assessment	6.1	Competency may be assessed in the workplace or in a simulated work environment.

CORE COMPETENCIES

UNIT OF COMPETENCY: **ANALYZE AND INTERPRET OPHTHALMIC LENS**

PRESCRIPTION

UNIT CODE HSC222301

UNIT DESCRIPTOR

This unit of competency describes the skills and knowledge required to analyze and interpret ophthalmic lens prescription.

		PERFORMANCE CRITERIA
ELEME	ENT	Italicized terms are elaborated in the Range of Variables
Analyze o lens preso		1 Patient's ophthalmic refractive error is recognized and determined based on optometrist/ophthalmologist's <i>prescription</i>
	1.	Types of lenses are supplied based on optometrist/ ophthalmologist's prescription
	1.	3 Incomplete/incorrect prescriptions are determined and referred to appropriate personnel for action
	1.	4 Parameters of atypical prescriptions are interpreted and analyzed to determine specific application
Interpret prescription	on details	Lens calculations are performed in accordance with specified standards
	2.	2 Frames are verified based on prescription/order to ensure correct frame is used
	2.	Ophthalmic lenses are selected based on prescription requirements
	2.	4 Basic mathematical operations are performed accurately
	2.	5 Prescription parameters, needs and mounting criteria are studied and interpreted following specified standards
	2.	6 Lens order is interpreted following specified standards
	2.	7 Lens manufacturer/supplier's recommendations are considered

VARIABLE	RANGE		
1. Prescription	includes:		
	1.1 Spherical power		
	1.2 Cylindrical power		
	1.3 Axis		
	1.4 Addition power		
	1.5 Pupillary distance		
	1.6 Pupil height/ segment height		
	1.7 Prism description		
2. Lens calculations	2.1 Base curve		
	2.2 Lens diameter		
	2.3 Lens thickness		
	2.4 Transposition		
	2.5 Layout		
3. Basic mathematical	3.1 Four fundamental operations		
operations	3.2 Simple algebraic operations		

1.	Critical aspects of competency	Assessment requires evidence that the candidate:
		1.1 Analyzed ophthalmic lens prescription
		1.2 Interpreted prescription details
2.	Underpinning	2.1 Ophthalmic lens prescription details
	knowledge	2.2 Basic mathematical operations
3.	Underpinning skills	3.1 Following OHS and standard operating procedures
		3.2 Applying good housekeeping practices
		3.3 Managing process flow
		3.4 Working independently
4	Resource	The following resources MUST be provided:
''	implications	4.1 real or simulated work area
		4.2 materials relevant to the activity4.3 prescription
5.	Method of	Competency MUST be assessed through:
	assessment	5.1 Written examination
		5.2 Demonstration with questioning
		5.3 Observation with questioning
6.	Context for assessment	6.1 Competency may be assessed on the job or simulated environment.
		6.2 The assessment of practical skills must take place after a period of supervised practice and repetitive experience.
		1

EDGE AND MOUNT OPHTHALMIC APPLIANCES UNIT OF COMPETENCY:

UNIT CODE HSC222302

This unit of competency describes the skills and knowledge required to edge and fit ophthalmic lenses. **UNIT DESCRIPTOR**

ELEMENT		PERFORMANCE CRITERIA Italicized terms are elaborated in the Range of Variables
Operate equipment	1.1	Relevant lens edging and fitting equipment is operated in accordance with manufacturer's required operating procedures
	1.2	Equipment and attachments are maintained in accordance with manufacturer's requirements and safety control procedures
	1.3	Equipment and attachments are stored in accordance with manufacturer's requirements and safety control procedures
Perform skills in edging and	2.1	Lens parameters are verified in accordance with the prescription requirements
mounting	2.2	Lens are edged and mounted in accordance with standard operating procedures
	2.3	Mounted lenses are verified in accordance with prescription requirements
	2.4	Atypical appliances are mounted in accordance with prescription requirements
Utilize computer technology	3.1	Appropriate technology and software applications are selected to achieve the requirements of the task
	3.2	Workspace, furniture and equipment are adjusted to suit the ergonomic requirements of the user
	3.3	Technology is used according to organization requirements and in a way which promotes a safe work environment
	3.4	Ophthalmic equipment are used in accordance with the manufacturer's recommendations/instructions
	3.5	Routine maintenance is carried out or arranged in order to ensure that equipment is maintained in accordance with manufacturer's instructions and organization requirements
	3.6	Equipment faults are identified and appropriate action is taken in accordance with manufacturer's instructions or by reporting fault to designated person
Perform frame modifications	4.1	Frames are inspected for faults prior to glazing in accordance with SOP
	4.2	Frames are adjusted in accordance with <i>relevant standards</i>
	4.3	Frames are repaired in accordance with relevant standards

Conduct final checking	5.1	Ophthalmic appliance is confirmed against the prescription prior to delivery
procedures	5.2	Correct type and form of lens used is checked in line with client requirements
	5.3	Lens treatments are checked for quality in accordance with prescription requirements
	5.4	Frame used is checked in line with prescription requirements
	5.5	Standard frame alignment is carried out and confirmed in accordance with specified standards
	5.6	Completion of job is confirmed in line with prescription requirements

RANGE OF VARIABLES

VARIABLE		RANGE	
1. Equipment	1.1	The following pieces of equipment and instruments	
		- manual edging machine	
		- automated edging machine and accessories	
		- foci-meters (lens meters)	
		- marking/ centration devices	
		- calibration and measuring tools	
		- frame alignment tools	
2. Lens parameters	2.1	spherical power	
	2.2	cylindrical power	
	2.3	axis	
	2.4	addition power	
	2.5	pupillary distance	
	2.6	pupil height/segment height	
	2.7	prism	
3. Lens	3.1 Mineral (Glass) material		
	3.2	Organic (Plastic) material	
	3.3	Polycarbonate material	
4. Frame material	4.1	Metal	
	4.2	Plastic	
5. Relevant standards	5.1	International Standards Organization (ISO)	
6. Repairing and	6.1	Undertaking frame part replacements	
modifying spectacle frames		- temples	
names		- temple tips	
		- bridge	
		- nose pads	
		- screws	
	6.2	Refitting nylon	
	6.3	Re-pinning and riveting joints/ hinges	
	6.4	Sink joints/ hinges	
	6.5	Alignment	

7. Atypical	7.1 Occupationally specific appliances including diving masks,			
	swimming goggles			
	7.2 Low visual aids			
	7.3 Wrap frames			
8. Technology	May include:			
	Computer technology, such as laptops and desktops			
	8.2 Digital cameras			
	8.3 Memory devices			
	8.4 Modems			
	8.5 Scanners			
	8.6 Printers			
	8.7 Industry specific equipment			
9. Software	May include:			
applications	9.1 Email, internet			
	9.2 Word processing, spreadsheet, database or presentation packages			
	9.3 Industry specific software			
10.Routine	May include:			
maintenance	10.1 Regular checking of equipment			
	10.2 Replacing consumables			
	10.3 'In-house' cleaning and servicing of equipment according to manufacturer's guidelines			
	10.4 Periodic servicing by qualified or manufacturer approved technician			
11.Equipment faults or	May be identified or anticipated by:			
problems	11.1 Routine checking of equipment			
	11.2 Preparation of a maintenance program			
	11.3 Encouraging feedback from work colleagues			
	l			

EVIDENCE GUIDE

	0.11. 1. 1.	Assessment requires evidence that the candidate:		
1.	Critical aspects of competency	1.1 1.2 1.3 1.4 1.5	operated optical equipment performed skills in edging and mounting utilized computer technology performed frame adjustments conducted final verification procedures	
2.	Underpinning knowledge	2.1 2.2 2.3 2.4 2.5	Relevant optical industry standard Frame measurement systems including boxing and datum Properties of lens Scope of metal and plastic frame materials including heating, manipulation, adjusting, handling and repair Manual/automated edging machine including: - machine design - blocking/ chucking systems - edging wheel designs and characteristics - machine operation	
		2.6 2.7	Glazing techniques Impact resistant safety lenses including: - uses - impact resistance - principles and processing of thermal and chemical toughening - problems and special lens requirements - advantages and disadvantages - optical industry standards for both general purpose and industrial use - impact testing requirements, conditions and procedures - evaluation of materials including glass, CR39, higher index plastics, polycarbonate and laminates	
		2.8	Filter and tinted lens processes including: optical industry standard plastic lens tinting including dyes and tint types, equipment, preparation, problems and solutions transmission testing including equipment and instrumentation, equipment limitations and optical industry standard Standard nylon rims including the equipment needed	
		2.10	Drilled rimless frames including mounts and rimless types and equipment needed	

3. Underpinning skills		Performing frame tracing and lens pattern preparation Hand edge using both hand beveling techniques and safety chamfering Handling glass and plastic lens material Handling metal and plastic frame material Using appropriate techniques to inset lens and fit frames Calculating minimum size uncut (MSU): MSU using centration chart and by calculation to allow for PD and decentration for prism
		3.7 Transposing a prescription - correcting neutralization - determining powers - determining axes - determining prism - determining centration - determining additions
		Operating manual/automated edging machine Using lens samples and to match samples Edging standard semi-rimless frames Applying grooving techniques Repairing and service semi-rimless frames
		3.13 Applying drilling techniques 3.14 Mounting lens 3.15 Performing frame adjustment 3.16 Performing frame servicing 3.17 Performing special hand edging techniques including:
		 nasal cut and nasal add (anti-nasal) change-overs 3.18 Using problem solving techniques reducing unwanted vertical and/or horizontal prism 3.19 Rectifying off-axis lenses
4	D	The following resources MUST be provided:
4.	Resource implications	1.1 real or simulated work area 1.2 appropriate optical appliance and /or equipment 1.3 materials relevant to the activity 1.4 prescription
5.	Method of	Competency MUST be assessed through:
J.	assessment	5.1 Written examination 5.2 Demonstration with questioning 5.3 Observation with questioning
6.	Context for assessment	Competency may be assessed on the job or simulated environment. The assessment of practical skills must take place after a period of supervised practice and repetitive experience.

UNIT OF COMPETENCY: APPLY UV COAT/ TINT TO OPHTHALMIC LENSES

UNIT CODE HSC222303

This unit of competency describes the skills and knowledge required to apply UV coat/ tint to ophthalmic lenses. UNIT DESCRIPTOR

P			PERFORMANCE CRITERIA		
	ELEMENT		Italicized terms are elaborated in the Range of Variables		
1.	Check quality of	1.1	Quality of lens surface conforms to specified standards		
	lens	1.2	Optical quality of lens is within acceptable tolerances		
		1.3	Lens selected complies with UV coat/ tint prescription needs		
2.	Apply work room practices	2.1	Solvents, acids and cleaning products are labeled in compliance with OH&S criteria		
		2.2	Hazards are recognized and relevant hazardous situations are addressed in accordance with OHS requirements		
		2.3	Safety practices are complied with in ordering, use, handling and storage of solvents, acids and cleaning products		
		2.4	Solvents, acids and cleaning products are disposed in accordance with legislative and environmental regulations		
		2.5	Appropriate PPEs are used within the work room environment in accordance with OHS requirements		
3.	Identify type of UV coat/tint	3.1	Lens order is interpreted based on specified prescription		
		3.2	UV coat/tinting schedule is arranged based on due date		
		3.3	Coating process is selected in accordance with prescription requirements		
4.	Apply UV coat/ tint to lenses		Lens for UV coat/tint is prepared, ensuring holding apparatus will not interfere with quality of coating		
		4.2	UV coating/ tinting is applied in accordance with manufacturer's recommendations		
		4.3	UV coat is cured according to manufacturer's recommendations		
5.	Check UV coat/ tint finish	5.1	UV coat/ tint is verified in line with manufacturer/suppliers recommendations and/or organizational policies and procedure		
		5.2	Lens surface is verified in line with manufacturer/suppliers recommendations and/or organizational policies and procedure		
		5.3	Lens surface quality is verified in line with manufacturer/ suppliers recommendations and/or organizational policies and procedure		
6.	Dispatch lens	6.1	Lens is packaged in order that no wastage occur		
		6.2	Lens is dispatched in accordance with the lens order		
		6.3	Completion of job is confirmed in line with prescription requirements		

RANGE OF VARIABLES

VARIABLE	RANGE
1. UV Coat/ tint	1.1 Tint colors available
	1.2 UV coat
2 Coating process	2.1 Lens preparation
	2.2 Proper color mixing/ UV solution
	2.3 Application of color dye/ UV solution
	2.4 Selection of appropriate equipment/ apparatus
3 Tools and	3.1 Ultra-sonic cleaning equipment
equipment	3.2 Solvent and acid
	3.3 PPE

EVIDENCE GUIDE

1.	Critical aspects of	Assessment requires evidence that the candidate:
	competency	
		1.1 Checked quality of lens1.2 Applied work room practices
		·
		· · · · · · · · · · · · · · · · · · ·
		1.4 Applied UV coat/tint to lenses 1.5 Checked UV coat/tint finish
2	Undersinaina	1.6 Dispatched lens
۷.	Underpinning knowledge	2.1 Safety process
	3	2.2 Personal Protective Equipment (PPE)
		2.3 Cleanliness
		2.4 Manufacturing/process waste disposal
		2.5 Standard operating procedures in line with manufacturer/supplier and/or organization requirements
		2.6 Safe use, handling, storage and disposal of chemicals in accordance to supplier's recommendations
		2.7 Chemical processes involved in lens tinting and UV coating
		2.8 Types UV coat and tint
		2.9 Lens types and lens materials
		2.10 Process flows and production methodologies
3.	Underpinning skills	3.1 Following OHS and standard operating procedures
		3.2 Applying good housekeeping practices
		3.3 Managing process flow
		3.4 Communicating with others
		3.5 Working independently
4.	Resource	The following resources MUST be provided:
	implications	4.1 Resources essential for assessment include:- access to an optical appliance workplace
5.	Method of	Competency MUST be assessed through:
	assessment	5.1 Written examination
		5.2 Demonstration with questioning
		5.3 Observation with questioning
6.	Context for assessment	6.1 Competency may be assessed on the job or simulated environment.
		6.2 The assessment of practical skills must take place after a
		period of supervised practice and repetitive experience.

SECTION 3 TRAINING STANDARDS

This set of standards provides Technical and Vocational Education and Training (TVET) providers with information and other important requirements to consider when designing training programs for **OPHTHALMIC LENS SERVICES NC II**.

This includes information on curriculum design; training delivery; trainee entry requirements; tools and equipment; training facilities; trainers qualification and institutional assessment.

3.1 CURRICULUM DESIGN

Course Title: Ophthalmic Lens Services NC Level: NC Leve

Nominal Training Duration:

18-hours (Basic) 28-hours (Common) 208 -hours (Core)

Course Description:

This course is designed to enhance the knowledge, skills and attitudes of OPHTHALMIC LENS SERVICES NC II in analyzing and interpreting ophthalmic lens prescription, edging and mounting ophthalmic appliances and applying UV coat/ tint to ophthalmic lenses in accordance with industry standards.

To obtain this, all units prescribed for this qualification must be achieved:

BASIC COMPETENCIES (18 Hours)

	Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	Participate in workplace	J 1 1 1	·	Written examination
	communication	1.2 Complete relevant work related documents.	Interaction	Practical/ performance
		1.3 Participate in workplace meeting and discussion.		test Interview
2.	Work in a team environment	2.1 Describe and identify team role and responsibility in a team.	Group discussion	ObservationSimulation
		2.2 Describe work as a team member.	Interaction	Role Playing
3.	Practice career professionalism	3.1 Integrate personal objectives with organizational goals.	 Group discussion Interaction	DemonstrationObservation
		3.2 Set and meet work priorities.		 Interview/ questioning
		3.3 Maintain professional growth and development		questioning

4. Practice	4.1 Identify hazards and risks.	• Group	Observation
occupational health and	4.2 Evaluate hazards and risks.	discussion Plant Tour	Interviews
safety	4.3 Control hazards and risks.	Symposium	
	4.4 Maintain occupational health and safety awareness.		

COMMON COMPETENCIES (28 Hours)

Unit of Competency	Learning Outcomes Methodo		Assessment Approach
Apply quality standards	1.1 Assess own work	LectureCase Study	DemonstrationObservation
Standards	1.2 Assess clients service needs	Case StudyDiscussion/	ObservationInterviews/
	1.3 Engage in quality improvement	Interaction	Questioning
Manage own performance	2.1 Plan completion of own workload	LectureCase Study	DemonstrationObservation
	2.2 Maintain quality of own performance	Discussion/ Interaction	Written /Practical Exams
	2.3 Establish credibility with customers/clients (Practitioners)		LAdilis
3. Maintain a safe, clean and	3.1 Comply with health regulations	• Lecture	Demonstration
efficient work	3.2 Prepare and maintain work area	Case StudyDiscussion/	ObservationWritten
environment	3.3 Check and maintain tools and equipment	Interaction	/Practical Exams
	3.4 Provide a safe and effective working environment		
Maintain an effective	4.1 Maintain a professional image	Group Discussion	Demonstration
relationship with clients/	4.2 Build credibility with customers/clients(Practitioners)	DiscussionInteractionLecture	ObservationInterviews/Questioning
customers (Practitioners)	4.3 Meet customers/clients (Practitioners) requirements	200000	Written Exams
5. Operate a personal	5.1 Start and shut down the computer	Group Discussion	DemonstrationObservation
computer	5.2 Arrange and customize desktop display/ Windows settings	InteractionLecture	Interviews/Questioning
	5.3 Work with files and folders (or directories)		Written Exams
	5.4 Work with user application programs		
	5.5 Print information		
	5.6 Shut down computer		

CORE COMPETENCIES (208 Hours)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
Analyze and interpret ophthalmic lens prescription	1.1 Analyze ophthalmic lens prescription1.2 Interpret prescription details	Lecture Demonstration Laboratory	Written/ Practical examination
2. Edge and mount ophthalmic appliances	 2.1 Prepare lens/frame for edging and mounting 2.2 Operate lens edging machine 2.3 Perform edging and mounting of lenses 2.4 Perform frame modifications 2.5 Conduct final checking procedures 	Lecture Observation Demonstration Laboratory	Written/ Practical examination
3. Apply UV coat/ tint to ophthalmic lenses	 3.1 Prepare ophthalmic lens for UV coat/tint 3.2 Identify type of UV coat/tint 3.3 Apply UV coat/ tint to lenses 3.4 Check UV coat/ tint finish 	Lecture Observation Demonstration Laboratory	Written/ Practical examination

3.2 TRAINING DELIVERY

The delivery of training should adhere to the design of the curriculum. Delivery should be guided by the 10 basic principles of competency-based TVET.

- The training is based on curriculum developed from the competency standards;
- Learning is modular in its structure;
- Training delivery is individualized and self-paced;
- Training is based on work that must be performed;
- Training materials are directly related to the competency standards and the curriculum modules:
- Assessment is based in the collection of evidence of the performance of work to the industry required standard;
- Training is based both on and off-the-job components;
- Allows for recognition of prior learning (RPL) or current competencies;
- Training allows for multiple entry and exit; and
- Approved training programs are nationally accredited.

The competency-based TVET system recognizes various types of delivery modes, both on and off-the-job as long as the learning is driven by the competency standards specified by the industry. The following training modalities may be adopted when designing training programs:

- The dualized mode of training delivery is preferred and recommended. Thus programs
 would contain both in-school and in-industry training or fieldwork components. Details
 can be referred to the Dual Training System (DTS) Implementing Rules and
 Regulations.
- Modular/self-paced learning is a competency-based training modality wherein the trainee is allowed to progress at his own pace. The trainer just facilitates the training delivery.
- Peer teaching/mentoring is a training modality wherein fast learners are given the opportunity to assist the slow learners.
- Supervised industry training or on-the-job training is an approach in training designed
 to enhance the knowledge and skills of the trainee through actual experience in the
 workplace to acquire specific competencies prescribed in the training regulations.
- Distance learning is a formal education process in which majority of the instruction occurs when the students and instructor are not in the same place. Distance learning may employ correspondence study, audio, video or computer technologies.
- Project-based instruction is an authentic instructional model strategy in which students plan, implement and evaluate projects that have real world applications.

3.3 TRAINEE ENTRY REQUIREMENTS

Trainees or students wishing to gain entry into these qualifications should possess the following requirements:

- Must be high school graduate or its equivalent
- MUST be able to communicate effectively both orally and in written form
- MUST be physically, emotionally, psychologically and mentally fit
- MUST be able to perform basic mathematical computation

3.4 TOOLS, EQUIPMENT AND MATERIALS

Recommended list of tools, equipment and materials for the training of a minimum of 25 trainees for Ophthalmic Lens Services NC II are as follows:

TOOLS		EQUIPMENT		MATERIALS	
QTY		QTY		QTY	
25 sets (1:1)	Precision screw drivers	5 units (1:5)	Manual edger	25 sets (1:5)	Set of lenses(single vision, bifocal, progressive, polycarbonate)
5 sets (1:5)	Ophthalmic pliers	1 unit (1:25)	Automatic edger (*with tracer)	1 per color (1:25)	Tinting powder(vial) /liquid (200ml)
5 sets (1:5)	Needle files	1 unit (1:25)	Lens blocker	25 sets (1:1)	Set of frames (full, semi-rimless, rimless): metal and plastic
5 pcs.	Diamond cutter	5 units (1:5)	Lens meter (manual or computerized)	1vial/ btl. (1:25)	UV powder(vial)/liquid (200ml)
25 sets (1:1)	Precision nut drivers	2 units	Grooving machine	1 btl. (1:25)	Neutralizer
25 sets (1:1)	PPE (lab. Gowns, face mask, safety goggles, gloves)	1 unit (1:25)	Tinting/UV unit with complete accessories	1 roll (1:25)	Refitting nylon cord
5 pcs. (1:5)	Lens measure/clock	2 units (1:12)	Hand polishing machine		Frame spare parts (temples, temple tips, bridge, nose pads, screws)
5 pcs. (1:5)	Precision dial caliper	2 units (1:12)	Precision drill press	25 pcs. (1:1)	Lens pattern
25 pcs. (1:1)	Centration charts	1 unit (1:25)	Curing oven	25 pcs. (1:1)	Edging pad

TOOLS		EQUIPMENT		MATERIALS	
QTY		QTY		QTY	
5 pcs. (1:5)	Frame heater	1 unit (1:25)	UV meter		
25 pcs. (1:1)	PD ruler				
			FIXTURES		raining Materials:
			Work table	CATAL	OG
				1	Frame Catalog
				1	Lens Catalog
				1	Magazines
					Textbooks

3.5 TRAINING FACILITIES

Based on a class intake of 25 students/trainees

Space Requirement	Size in Meters	Area in Sq. Meters	Total Area in Sq. Meters
Student/Trainee Working Space	1 x 1 m.	1 sq. m.	25 sq. m
Lecture/Demo Room	8 x 5 m.	40 sq. m.	40 sq. m.
Learning Resource Center	3 x 5 m.	15 sq. m.	15 sq. m.
Wash/ Comfort Room		10 sq. m.	10 sq. m.
Facilities/ Equipment/ Circulation Area	30% (A	27 sq. m.	
		Total :	117 sq. m.

3.6 TRAINER'S QUALIFICATIONS FOR OPHTHALMIC LENS SERVICES NC II

TRAINER QUALIFICATION (TQ II)

- Must be a holder of Ophthalmic Lens Services NC II or its equivalent
- MUST have undergone training on Training Methodology II (TM II)
- MUST be able to communicate effectively both orally and in written form
- MUST be physically, emotionally, psychologically and mentally fit
- MUST have at least two (2) years experience in the industry
- MUST possess good moral character

3.7 INSTITUTIONAL ASSESSMENT

Institutional Assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.

SECTION 4 NATIONAL ASSESSMENT AND CERTIFICATION ARRANGEMENTS

- 4.1 To attain the national Qualification of Ophthalmic Lens Services NC II the candidate must demonstrate competence through project-type assessment covering all the units listed in Section 1. Successful candidates shall be awarded a National Certificate signed by the TESDA Director General.
- 4.2 Assessment shall focus on the core units of competency. The basic and common units shall be integrated or assessed concurrently with the core units.
- 4.3 The following are qualified to apply for assessment and certification:
 - 4.3.1 Graduates of formal, non-formal and informal including enterprise-based training programs
 - 4.3.2 Experienced workers (wage employed or self employed)
- 4.4 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Qualification and Certification System (PTQCS)"

COMPETENCY MAP OPHTHALMIC LENS SERVICES NC II

BASIC COMPETENCIES

Participate in workplace communication

Work in a team environment

Practice career professionalism

Practice occupational health and safety procedure

COMPETENCIES

Apply quality standards

Manage own performance

Maintain a safe, clean and efficient environment Maintain an effective relationship with clients/customers

Operate a personal computer

CORE COMPETENCIES

Analyze and interpret ophthalmic lens prescription

Edge and mount ophthalmic appliances

Apply UV coat/ tint to ophthalmic

DEFINITION OF TERMS

- LENS is used to denote a portion of a transparent substance bounded by two smooth polished surfaces, both of which may be curved, or only one is curved and the other being plane.
- 2. **DIOPTER -** is the unit of measurement of the refractive power of the lens.
- 3. **OPHTHALMIC LENSES** are lenses used for correcting ametropia.
- 4. **LENS BLOCK –** tool used to hold lens surface
- 5. **NEUTRALIZATION –** process of finding the power of unknown lens.
- 6. **PRESCRIPTION** is the designation of an optical system that is intended to relieve certain difficulties of the patient that are related to vision.
- 7. **BENCHWORK** entails the second phase towards the completion of an ophthalmic prescription. It is the operation done, after the lens has been finished from the grinding laboratory, in order to insert or mount the lens to a spectacle frame or mounting with utmost precision to satisfy the requirements for a given prescription.
- 8. **DATUM LINE** is a reference line particularly the horizontal line through the geometric center of a lens shape.
- 9. **CENTERING** is the process of marking and determining the optical center, the axis of the cylinder, and base-apex line of a prism. All centering marks are done on the front surface of the lens.
- 10. **GLAZING** is the process of inserting or mounting lenses in spectacle frame.
- 11. **DRILLING** is the process of boring holes through the surface of the lens for retention purposes by the use of drilling machine and drilling fluids.
- 12. **MOUNTING** entails the placement of an ophthalmic lens in a rimless frame.
- 13. **PRISM** is a transparent wedge of refracting materials with triangular ends and three faces, two of which meet in line called apex and rest upon a third face called base.
- 14. **FRAME –** is a type in which the lenses are encircled by eyewire.
- 15. **BRIDGE** that part of a frame that arches over the nose and connects the two eyewires..
- 16. **FRONT –** is the entire pair of glasses except the temples.

- 17. **PADS** are plastic nosepieces on the arms to support and distribute the weight of glasses on the nose.
- 18. **TEMPLES –** are sidepieces that hinged into the endpiece and fit over the ears.
- 19. **FITTING** is the process of selecting lenses and frames or mountings, taking essential measurements, determining the size and position relationship, all of which ultimately be combined into an efficient, attractive, comfortable ophthalmic correction.
- 20. **ABSORPTION** the process in which radiant energy is converted into other forms, usually heat by passage through or reflection from a medium.
- 21. **FILTRATION** the process in which wave lengths of light is transmitted or equally absorb through a medium/filter.

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