

THE WORSHIPFUL COMPANY OF SPECTACLE MAKERS



LEVEL 2

OPTICAL SUPPORT

CERTIFICATE QAN 601/7502/3
DIPLOMA QAN 601/7504/7

QUALIFICATION HANDBOOK

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WCSM Level 2 Optical Support

Qualification Objective

This qualification has been developed for all support staff working in optical practice, optical laboratories and for optical suppliers. It is ideal for those new to the sector but also enables more experienced members of staff to build on existing skills and knowledge.

Throughout this document, the term 'learner' is used to refer to the person seeking to gain the qualification.

Entry requirements

There are no specific entry requirements.

Customer Service Statement

See relevant sections of the Customer Service Statement at:

<http://www.spectaclemakers.com/awardsandtraining/customer-service-statement.htm>

for details of:

Equal opportunities policy
Reasonable adjustments
Special considerations
Complaints and appeals procedures.

Progression

There are opportunities for the learner to progress to the Level 3 Certificate in Optical Support, the Level 4 Diploma for Optical Technicians or the Level 4 Diploma for Optical Assistants and then to the Association of British Dispensing Opticians (ABDO) Level 6 qualification in Ophthalmic Dispensing, subject to validation.

Training

It is recommended that learners undertake training to support them in achieving this qualification. Details of training providers, materials, other available support and associated fees can be obtained from the Worshipful Company of Spectacle Makers (WCSM), administrator@spectaclemakers.com, 0207 236 2932.

Learner registration

Registration for WCSM examinations is administered by ABDO.

To register for the qualification or to obtain details of examination dates, contact examinations@abdo.org.uk or telephone 01227 732921.

Assessment

The learner will be assessed through a written examination or e-assessment in respect of the mandatory and optional units. Optional Unit 7 involves a practical project. The format of the written and e-assessment examinations is identical. If a candidate fails any unit, the unit can be retaken on its own up to three times, at specified times.

Grading

Successful learners will be awarded a pass for each unit. A pass in all selected units is required to achieve the qualification. There are no grades.

Personal Learner Record and Unique Learner Number

The Personal Learner Record (PLR) logs achievement of units and qualifications provided that the learner has received a Unique Learner Number (ULN). The ULN enables learners to have access to their PLR and for them to give access to training providers and/or employers to enable them to view their records as evidence of achievement.

When a learner registers for a qualification the examination centre may ask the learner to provide their ULN.

Total Qualification Time and Guided Learning Hours

The Certificate Total Qualification Time (TQT) is 470 hours; Guided Learning Hours (GLH) is 249 hours. The Diploma TQT is 480 hours, and the Diploma GLH is 345.

Level 2 Optical Support

Structure

Candidates must take 3 mandatory units and one optional unit to achieve the Certificate (21-26 credits). A Diploma can be achieved by taking further optional units to reach a minimum of 37 credits.

Mandatory Unit 1 – M/507/6526

Title	Roles and responsibilities in optics	
Level	2	
Credit	7	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the roles and responsibilities of people working in the optical profession	1.1 List the professions in ophthalmic optics. 1.2 Describe the functions of an optometrist 1.3 Describe the functions of a dispensing optician 1.4 Describe the functions of an orthoptist 1.5 Describe the functions of an optical assistant 1.6 Describe the functions of an ophthalmic medical practitioner 1.7 Describe the functions of an ophthalmologist 1.8 Describe the functions of an optical technician	
2. Understand the roles and responsibilities of the health care and professional bodies in ophthalmic optics	2.1 Describe the roles of the healthcare organisation(s) responsible for primary care ophthalmic service provision 2.2 Describe the roles and responsibilities of the General Optical Council 2.3 Describe the roles and responsibilities of the College of Optometrists 2.4 Describe the roles and responsibilities of the Association of British Dispensing Opticians 2.5 Describe the roles of other professional optical bodies and associations including the Federation of Manufacturing Opticians, the Association of Optometrists, the British Contact Lens Association, the Association of Contact Lens Manufacturers, the Optical Consumer Complaints Service, the Worshipful Company of Spectacle Makers and the Optical Confederation	

<p>3. Understand how the optical industry works to deliver finished spectacles to a customer</p>	<p>3.1 Describe the typical customer journey from booking an appointment to collecting finished spectacles in an optical practice 3.2 Describe the order process between the optical practice and the manufacturer 3.3 Describe the production process for a pair of glazed spectacles by a prescription laboratory from order entry to despatch 3.4 Describe the delivery process from the prescription laboratory to the optical practice</p>	
<p>4. State the National Health Service provision of eye care within the UK</p>	<p>4.1 Describe customers' entitlements as patients within the different countries of the UK National Health Service ("NHS") 4.2 Describe the procedures for obtaining those entitlements</p>	
<p>5. Understand employees' statutory rights and responsibilities.</p>	<p>5.1 Explain the importance of an employment contract 5.2 Explain the responsibilities of employees to their employer in regards to communication, notification, compliance with the law and compliance with the employer's own practices and regulations</p>	
<p>6. Understand the Health and Safety regulations in an optical production workplace.</p>	<p>6.1 Outline the objectives of the Health and Safety at Work Act 6.2 State the main Health & Safety Acts that apply to the Optical workplace 6.3 State current workplace company rules relating to health and safety. 6.4 Explain who is responsible for health & safety at work 6.5 State the lines of communication regarding health and safety issues. 6.6 Outline the requirements of the Control of Substances Hazardous to Health Regulations 6.7 Explain how to respond to emergency situations at work. 6.8 Describe the use of emergency response equipment. 6.9 Explain the use of alarm systems.</p>	
<p>7. Understand the importance of environmental protection in optical production</p>	<p>7.1 Describe the environmental issues around waste disposal 7.2 Identify typical environmental hazards in an optical production unit 7.3 Identify procedures for waste disposal 7.4 Explain the disposal procedures for packaging</p>	
<p>Additional Information about the unit</p>		
<p>Unit Aim(s)</p>	<p>The candidates will demonstrate understanding of the roles and responsibilities of different personnel within the optical profession, dealing</p>	<p>NOS Ref:</p>

	with customers, understanding and securing customers' entitlements with the NHS and the administrative procedures required to deliver those entitlements.	
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Mandatory Unit 2 – T/507/6527

Title	Communication in optics	
Level	2	
Credit	6	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the skills required for effective oral communication in optical customer service.	1.1 Identify why it is necessary to communicate orally 1.2 Describe the external factors that influence oral communication 1.3 Give examples of barriers to effective oral communication 1.4 Outline the importance of identifying customers' needs and different communication styles. 1.5 Give examples of the influence that culture and beliefs may have on oral communication	
2. Understand the skills required for effective written communication in optical customer service.	2.1 Identify why it is necessary to communicate in writing 2.2 Understand the sources of information for preparing written communication 2.3 Identify the channels for written communication 2.4 Describe why it is important to use appropriate language in written communication 2.5 Describe how to structure and present different forms of written communication 2.6 Assess which items of written communication should be checked	
3. Evaluate the skills required in effective communication in optical customer service	3.1 Evaluate different questioning techniques 3.2 Explain the role of body language in oral communication 3.3 Outline how to communicate using active listening 3.4 Describe how to assess the effectiveness of a communication 3.5 Suggest how to plan to improve communication	
4. Understand how to achieve excellent customer service in optics.	4.1 Describe the principles of excellent customer service 4.2 Describe how to deliver reliable customer service	

	4.3 Describe your current workplace standards for customer service 4.4 Describe how to handle complaints 4.5 Describe the principles of continuous improvement to deliver a high quality of service to customers	
Additional Information about the unit		
Unit Aim(s)	The candidates will demonstrate knowledge and understanding of the principles that contribute to effective communication.	NOS Ref: Part units 1, 2, 3, in Level 2 in Opt Ret

Mandatory Unit 3 - J/507/6547

Title	The eye and ametropia	
Level	2	
Credit	8	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the key terms used in optics	1.1 Explain the optical terminology used in high street practices. 1.2 Explain the causes of optical defects of the eye 1.3 Explain the symptoms of the optical defects	
2. Understand the anatomy of the eye	2.1 Explain the functions of the ocular structures of the eye 2.2 Locate the parts of the eye on a diagram 2.3 Draw or label a diagram to illustrate the relative position of the parts of the eye	
3. Understand how the eye focuses light from an object	3.1 Sketch or label a diagram to illustrate how light passes through the eye 3.2 Describe the difference between emmetropia and ametropia 3.3 Describe the causes of myopia, hypermetropia, astigmatism and presbyopia 3.4 Sketch or label ray diagrams to illustrate myopia, hypermetropia, astigmatism and presbyopia 3.5 Explain how these conditions may be corrected with spectacle lenses 3.6 Sketch or label ray diagrams to illustrate how myopia, hypermetropia, astigmatism and presbyopia may be corrected by spectacle lenses	
4. Understand how to interpret optical prescriptions	4.1 Explain key terms used in writing optical prescriptions 4.2 Describe British Standards for optical prescriptions 4.3 Analyse single vision prescriptions 4.4 Transpose prescriptions 4.5 Analyse bifocal or progressive power prescriptions	
5. Understand the pathology of the eye	5.1 Explain cataracts and the effect on vision 5.2 Describe how cataracts may be treated 5.3 Explain glaucoma and the effect on vision 5.4 Describe how glaucoma may be treated 5.5 Explain diabetes and the effect on vision	

	<p>5.6 Explain how diabetic retinopathy may be treated</p> <p>5.7 Explain age related macular degeneration and the effect on vision</p> <p>5.8 Explain how age related macular degeneration may be treated</p>
Unit Aim(s)	<p>Candidates will demonstrate an understanding of the basic anatomy, function and pathology of the eye and the common eye conditions including myopia, hypermetropia, astigmatism, presbyopia. Candidates will demonstrate an understanding of optical prescriptions and transposition. Candidates will demonstrate a basic understanding of common ocular pathological conditions, their causes and treatments</p> <p>NOS Ref:</p>

Leaners must also select at least one of the following optional units

Optional Unit 4 A/507/6528

Title	The provision of spectacle lenses in optics	
Level	2	
Credit	8	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the optics of spectacle lenses	1.1 Explain how a spectacle lens refracts light 1.2 Describe the various forms in which lenses are made 1.3 Define the term 'diopetre' 1.4 Define 'focal length' 1.5 Explain the relationship between diopetres and focal length 1.6 Define the term 'cylinder' in optics 1.7 Explain cylindrical and astigmatic lenses 1.8 Define the term 'axis' 1.9 Explain how axis is used in spectacle lenses	
2. Understand the types of spectacle lenses	2.1 Describe a bifocal lens 2.2 Explain how a bifocal lens corrects vision 2.3 Explain the advantages and disadvantages of bifocal lenses 2.4 Describe a trifocal lens 2.5 Explain how a trifocal lens corrects vision 2.6 Explain the advantages and disadvantages of trifocal lenses 2.7 Describe a progressive lens 2.8 Explain how progressive lenses corrects vision 2.9 Explain the advantages and disadvantages progressives 2.10 Describe occupational/degressive lenses 2.11 Explain how an occupational/degressive lenses corrects vision 2.12 Explain the advantages and disadvantages of occupational/degressive lenses	
3. Understand the types of personal eye protection	3.1 Describe the types of hazard where personal eye protection should be worn 3.2 Explain the different types of personal eye protection 3.3 Describe the different types of protective lenses	

	3.4 Explain the BSI and ENS markings 3.5 Describe the methods of manufacture of protective lenses
4. Understand the coating and tinting methods applied to spectacles lenses	4.1 Describe the methods by which different lens materials may be tinted 4.2 Explain the benefits and disadvantages of each method 4.3 Explain polarising lenses 4.4 Describe the benefits of polarising lenses 4.5 Explain photochromic lenses 4.6 Describe the benefits of photochromic lenses
5. Understand the manufacture of spectacle lenses	5.1 Describe the materials used in the manufacture of spectacle lenses 5.2 Describe the methods of manufacturing spectacle lenses in each of the materials 5.3 Describe the standard shapes of lenses. 5.4 Define the box lens size of a spectacle lens
6. Understand optical centres, PDs and centration in the dispensing of spectacle lenses	6.1 Explain the term optical centre 6.2 Explain why optical centres are important in dispensing spectacle lenses 6.3 Explain the term PD 6.4 Explain why PD is important in dispensing spectacle lenses 6.5 Describe how to measure PDs 6.6 Explain the term centration 6.7 Explain why centration is important in dispensing spectacle lenses
7. Understand the importance of prisms when dispensing spectacle lenses	7.1 Define the term prism 7.2 Describe the effect of prisms on light travelling through a prism 7.3 Describe why prisms are important in dispensing spectacle lenses 7.4 Describe prism base direction 7.5 Explain the methods used in detailing the prism notation.
Additional Information about the unit	
Unit Aim(s)	Candidates will demonstrate an understanding of the optics of lenses and their design and form including the significance of optical centres, decentration, prisms and their application, and the types and uses of special and safety lenses, coatings and tints.
	NOS Ref:

Optional Unit 5 F/507/6529

Title	The provision of spectacle frames in optics	
Level	2	
Credit	7	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the materials used in spectacle frames	1.1 List the materials used in the manufacture of frames 1.2 Describe the properties of frame materials 1.3 Explain the advantages of the different frame materials 1.4 Explain the disadvantages of the different frame materials	
2. Understand how frames are constructed	2.1 Describe the components of a spectacle frame 2.2 Describe the materials used in frame construction and manufacture 2.3 Describe the types of frame construction 2.4 Describe the features of the different types of construction 2.5 Explain the advantages and disadvantages of the different types of construction with regard to spectacle frame repair	
3. Understand the British Standard of the measurement of spectacle frames	3.1 State the relevant British Standards for spectacle frames 3.2 Describe how to measure spectacle frames to British Standards 3.3 Illustrate by annotation the dimensions of spectacle frames 3.4 Describe how to measure the segment position for bifocal lenses 3.5 Describe how to measure the fitting cross for progressive lenses	
4. Understand how to assist customers in their choice of frames	4.1 List what is required for a well-fitting spectacle frame 4.2 Explain the importance of facial shape when dispensing frames 4.3 Explain the importance of facial features when dispensing frames 4.4 Discuss the importance of colour when dispensing frames 4.5 Describe the ways of assisting customers to choose their frames	

	<p>4.6 Explain how the prescription influences the choice of frame</p> <p>4.7 Discuss the occupational requirements for the choice of frame</p> <p>4.8 State the limitations of responsibility and authority of the optical assistant in frame supply</p>	
Additional Information about the unit		
Unit Aim(s)	<p>The candidate will demonstrate an understanding of the components of a spectacle frame, the materials used in their construction and manufacture, the standard measurements of a frame and how to assist customers in choosing suitable frames to match their facial shape and features.</p>	NOS Ref:

Optional Unit 6 T/507/6530

Title	The provision of contact lenses in optics	
Level	2	
Credit	7	
Learning Outcomes	Assessment Criteria	
<i>The learner will:</i>	<i>The learner can:</i>	
1. Understand the design of contact lenses	1.1 Describe the general design features of a contact lens 1.2 Describe how the contact lens fits on the eye 1.3 Describe the importance of the base curve radius in the fitting of a contact lens 1.4 Describe the importance of the diameter in the fitting of a contact lens	
2. Understand the materials used for contact lenses.	2.1 List the different materials used in the manufacture of contact lenses 2.2 Describe the features of gas permeable contact lenses 2.3 Describe the features of soft contact lenses including water content 2.4 Describe the features of silicone hydrogel contact lenses 2.5 Describe the advantages and disadvantages of each material	
3. Understand the wearing modalities of contact lenses.	3.1 Describe the daily wear modality. 3.2 Explain the continuous wear modality 3.3 Describe the advantages and disadvantages of each modality 3.4 Explain the need for different types of replacement schemes for differing materials	
4. Understand the aftercare of contact lenses	4.1 Describe the importance of hygiene for contact lens wear 4.2 Describe the principles of disinfection of contact lenses 4.3 Describe the principles of cleaning contact lenses 4.4 Explain the types of contact lens disinfection products 4.5 Explain the types of contact lens cleaning products 4.6 Describe the storage of contact lenses 4.7 Explain the importance of regular after care visits 4.8 Describe the problems that can arise if lenses are not replaced regularly	

5. Understand how to effectively manage customers who have not complied with contact lens care regimens.	5.1 State the limitations of responsibility and authority of the optical assistant in contact lens supply 5.2 Describe how to identify poor compliance 5.3 Describe how to discuss poor compliance with a contact lens wearer	
Additional Information about the unit		
Unit Aim(s)	Candidates will demonstrate an understanding the different types and wearing modalities of contact lenses, their advantages and disadvantages, the general principles of fitting and lens care, and the importance of good customer hygiene and aftercare visits	NOS Ref: Parts of unit 11 in Level 2 in Optical Retailing

Optional Unit 7 A/507/6531

Title	The glazing of spectacles	
Level	2	
Credit	12	
Learning Outcomes	Assessment Criteria	
<i>The Learner will:</i>	<i>The learner can:</i>	
1. Be able to identify lenses appropriate for given prescriptions	1.1 Describe the properties of lens materials 1.2 Describe single vision, bifocal and progressive power lens types	
2 Understand the materials used in spectacle frames	2.1 Identify the materials used in spectacle frames 2.2 Describe the properties of spectacle frame materials 2.3 List the components of a spectacle frame by their BS EN terms	
3. Understand the process of glazing lenses to frames and mounts.	3.1 Outline the steps to the finished spectacles from receipt of order to dispatch. 3.2 Explain how to lay-off and block lenses. 3.3 Outline the relationship between prism and decentration. 3.4 Describe types of edger and explain how they are used. 3.5 Give reasons why a spectacle lens may have to be hand-edged. 3.6 Describe frame adjustments to accommodate lenses. 3.7 Describe lens fitting techniques	
4. Know the limitations of, and precautions taken, when glazing special lenses and frames.	4.1 Describe adaptations to the glazing process for surface treated lenses and protective lenses. 4.2 Describe adaptations to the glazing process for a range of frame designs and materials	
5. Understand how to check finished spectacle specifications against the received order.	5.1 List the equipment required for the final verification and quality check 5.2 State the British Standards relevant to spectacle verification 5.3 Describe the use of the focimeter for verifying lens power and prism 5.4 Recall applicable lens power tolerances when verifying lens powers on a focimeter 5.5 Describe the faults that can occur during glazing 5.6 Describe the procedures to be taken when defects are found	
6. Be able to glaze a metal spectacle frame	6.1 Lay off lenses for glazing to a given specification	

	6.2 Block and edge lenses 6.3 Hand finish lenses to fit metal spectacle frames 6.4 Achieve the required cosmetic appearance
7. Be able to glaze a plastic spectacle frame	7.1 Lay off lenses for glazing to a given specification 7.2 Block and edge lenses 7.3 Hand finish lenses to spring into plastic spectacle frames 7.4 Achieve the required cosmetic appearance
Additional Information about the unit	
Unit Aim(s)	Candidates will demonstrate an understanding of the fitting of lenses to frames to produce spectacles and will be able to fit lenses to a range of spectacle frames.
NOS	The relevant National Occupational Standard for this unit is: Skills for Health, OPTM7 – Block, cut and fit lenses Full details can be found on: http://www.ukstandards.co.uk

Optional Unit 8 F/507/6532

Title	Supporting the provision of optical screening	
Level	2	
Credit	6	
Learning Outcomes	Assessment Criteria	
<i>The Learner will:</i>	<i>The learner can:</i>	
1. Understand the principles of visual field screening	1.1 Explain the principles of field screening 1.2 Describe the function of field screening equipment 1.3 Describe how to improve the accuracy of results when performing field screening 1.4 Describe common ocular conditions that may be identified as a result of field screen	
2. Understand the principles of auto-refraction.	2.1 Explain the principles of auto-refraction 2.2 Describe the function of an auto-refractor 2.3 Describe how to improve the accuracy of results when performing auto refraction	
3. Understand the principles of non-contact tonometry.	3.1 Explain the principles of non-contact tonometry 3.2 Describe how to improve the accuracy of results when performing non-contact tonometry 3.3 Describe common ocular conditions that may be identified as a result of performing non-contact tonometry	
4. Understand the principles of fundus photography and OCT	4.1 Explain the principles of fundus photography 4.2 Describe the function of fundus photography equipment 4.3 Describe how to improve the accuracy of results when performing fundus photography 4.4 Describe common ocular conditions that may be identified as a result of fundus photography. 4.5 Describe the principles of optical coherence tomography 4.6 Describe the function of optical coherence tomography scanning equipment 4.7 Describe how to improve the accuracy of results when performing optical coherence tomography 4.8 Describe common ocular conditions that may be identified as a result of optical coherence tomography	
5. Understand how to deal with common emergencies that may occur in the screening procedure	5.1 Describe the common emergencies that may occur whilst performing the screening functions. 5.2 Recognise the symptoms of a heart attack, epileptic fit and stroke. 5.3 Describe the correct first aid procedures for dealing with these emergencies	

6. Understand the pathology of the eye to enable identification of an optical emergency	6.1 Describe what constitutes an ocular emergency. 6.2 Describe the symptoms and signs of common ocular conditions requiring emergency treatment. 6.3 Describe how to deal with a customer who exhibits the symptoms of an ocular emergency
Additional Information about the unit	
Unit aim(s)	Candidates will demonstrate an understanding of the principles of optical screening equipment and processes for tonometry, auto refraction, visual fields, fundus photography and OCT
NOS	The relevant National Occupational Standard for this unit is: Skills for Health, OPTR13 - Carry out routine optical screening procedures. Full details can be found on: http://www.ukstandards.co.uk

Optional Unit 9 L/507/6548: WITHDRAWN

Optional Unit 10 J/507/6533: WITHDRAWN

Optional Unit 11 L/507/6534

Title	Repairing spectacles	
Level	2	
Credit	5	
Learning Outcomes	Assessment Criteria	
<i>The Learner will:</i>	<i>The learner can:</i>	
1. Be able to identify if broken or damaged spectacles can be repaired	1.1 Explain the feasibility of repairing lenses and frames 1.2 Describe the properties of different frame materials 1.3 Demonstrate repair procedures for different materials and frame types 1.4 Demonstrate how to decide if a repair is practical or not 1.5 Suggest advice that can be given to customers regarding care of spectacles to prevent damage	
2. Know how to set up and run a repair service	2.1 List and describe the equipment necessary to set up a repair service 2.2 Describe how to judge the time involved in completing a repair 2.3 Describe how to consider the cost of components 2.4 Calculate the overall costs involved 2.5 List the items that should be included on a repair docket 2.6 Discuss the value of warranties and guarantees	
3. Understand how to carry out repairs and adjustments	3.1 Describe the different types of repair 3.2 Demonstrate the use of tools and equipment to complete the repair 3.3 Describe how to check the quality of the repaired spectacles 3.4 List and define the BS EN terms and measurements integral to the repair and adjustment of frames	
Additional Information about the unit		
Unit Aim(s)	Candidates will demonstrate an understanding of the processes involved in the adjustment and repair of spectacles	

Optional Unit 12 R/507/6549

Title	Lens treatments and safety eyewear	
Level	2	
Credit	7	
Learning Outcomes	Assessment Criteria	
<i>The Learner will:</i>	<i>The learner can:</i>	
1. Understand why spectacle lenses may be given special treatments.	1.1 Describe the range of lens treatments. 1.2 Explain the benefits of lens treatments. 1.3 Explain the limitations of lens treatments.	
2. Understand spectacle lens surface treatments	2.1 Describe anti-reflection coating processes 2.2 Describe hard coating processes 2.3 Explain how coating affects other special lens processes	
3. Understand personal eye protection	3.1 Explain why protective lenses are supplied 3.2 Describe how protective lenses are manufactured 3.3 Describe types of protective eyewear	
4. Understand tinted spectacle lenses	4.1 Outline the reasons for sun protection 4.2 Describe methods for manufacturing sun protection lenses 4.3 Describe photochromic lenses 4.4 Describe polarising lenses 4.5 Describe lens treatments to produce tinted lenses	
5. Know quality inspection methods in special lens types and treatments	5.1 Explain the procedure for surface inspection 5.2 Identify problems in lens treatment processes 5.3 Outline how protective lenses are tested and certified	
Additional Information about the unit		
Unit Aim(s)	Candidates will demonstrate an understanding of the special treatments that can be applied to spectacle lenses.	