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## N: Course Content

#### 1. Introduction

-course content and requirements -orientation of the equipment and tools -an overview of the edging process -introduction to industry standard charts -safety procedures in the laboratory

#### 2. **Spotting of Lenses**

-checking for optimal surface quality -use of the lensometer -power verification of single vision lenses -optical centre versus major reference point -single vision lenses with prism

## 3. Frames

-frame parts, types & materials -frame measurements & markings -frame selection -frame alignment & adjustment -frame repairs -specialized frames -lens insertion -frame maintenance & cleaning **Centration of Single Vision Lenses** 

# 4

-the mechanics of lens centration -horizontal and vertical centration -the boxing system -calculating lens blank sizes -industry standards formulas

# 5. **Blocking of Lenses**

-the lens protractor -marking a single vision lens -double checking lens blank size -pupil distances and accuracy -blocking systems and their relationship to lens materials -deblocking lenses

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0:	Methods of Instruction					
	1. Laboratory Lectures					
	2. Application / Calculation exercises in Laboratory					
	<ol> <li>Independent Study of Courseware</li> <li>Completion of Proficiency tests</li> </ol>					
	5. Completion of Laboratory Assignments					
P:	Textbooks and Materials to be Purchased by Students					
	Brooks - Essentials for Ophthalmic Lens Work. (Latest Edition) New York. Fairchild					
		Brooks - <u>System for Ophalmic Dispensing</u> . (Latest Edition) Woburn. MA				
Q:	Means	s of Assessment				
	1.	Completion of Proficiency tests		20%		
	1. 2.	Completion of Proficiency tests Completion of Laboratory Assignments		20%		
	2. 3.	Midterm Exam	20%	20%		
	3. 4.	Practical midterm	20 %	20%		
	ч. 5.	Final Exam		20%		
	Midterm and Final examinations will be written and practical.					
R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR Yes					

Course Designer(s)

Education Council/Curriculum Committee Representative

Dean/Director

Registrar

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