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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

**4. Centration of Single Vision Lenses**

- 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



<b>O:</b>	<p>Methods of Instruction</p> <ol style="list-style-type: none"> <li>1. Laboratory Lectures</li> <li>2. Application / Calculation exercises in Laboratory</li> <li>3. Independent Study of Courseware</li> <li>4. Completion of Proficiency tests</li> <li>5. Completion of Laboratory Assignments</li> </ol>															
<b>P:</b>	<p>Textbooks and Materials to be Purchased by Students</p> <p style="padding-left: 40px;">Brooks - <b><u>Essentials for Ophthalmic Lens Work</u></b>. (Latest Edition) New York. Fairchild</p> <p style="padding-left: 40px;">Brooks - <b><u>System for Ophthalmic Dispensing</u></b>. (Latest Edition) Woburn. MA</p>															
<b>Q:</b>	<p>Means of Assessment</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1.</td> <td style="width: 85%;">Completion of Proficiency tests</td> <td style="width: 10%; text-align: right;">20%</td> </tr> <tr> <td>2.</td> <td>Completion of Laboratory Assignments</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>3.</td> <td>Midterm Exam</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>4.</td> <td>Practical midterm</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>5.</td> <td>Final Exam</td> <td style="text-align: right;">20%</td> </tr> </table> <p>Midterm and Final examinations will be written and practical.</p>	1.	Completion of Proficiency tests	20%	2.	Completion of Laboratory Assignments	20%	3.	Midterm Exam	20%	4.	Practical midterm	20%	5.	Final Exam	20%
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<b>R:</b>	<p>Prior Learning Assessment and Recognition: specify whether course is open for PLAR</p> <p>Yes</p>															

Course Designer(s)

Education Council/Curriculum Committee Representative

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Dean/Director

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Registrar