

M: Course Objectives / Learning Outcomes:

Upon successful completion, the student will be able to:

1. Obtain a general history from the patient through discussion
2. Use instrumentation and other provisional methods to determine appropriate soft contact lens type and design.
3. Describe the types and functions of equipment necessary in the process of refraction in the determination of refractive error
4. Describe the types and functions of equipment necessary to determine intraocular pressure
5. Interpret patient refractive error and keratometry readings
6. Discuss soft contact lens options with the patient as related to the ocular status and prescription
7. Conduct a diagnostic soft lens evaluation
8. Order appropriate contact lens parameters for a patient
9. Educate the patient in soft lens insertion / removal procedures, lens care and hygiene
10. Determine the patient's subjective responses to soft contact lens wear
11. Make necessary modifications to improve lens fit
12. Reinforce to the patient the necessity of follow-up examination
13. Apply concepts of boutique dispensing to contact lens and eyeglass dispensing

N: Course Content:**1. Introduction**

- a. Clinical Objectives
- b. Professionalism in the Clinical Dispensary
- c. Clinical and Personal Hygiene

2. Traditional and Computerized Diagnostic Technologies

Slit Lamp Biomicroscope	Keratometry	Lensometer
Profile Analyzer	Hand Loop	Diameter Gauge
Vertex Conversion Chart	Dioptric Conversion Chart	Radiuscope
Snellen Chart	Acuity Trial Lens Set	Phoropter
Autorefractor	Corneal Topography	Tonometry
Ophthalmoscope	Retinoscope	

3. Prefit Evaluation / Soft Contact Lenses**a. Ocular Anatomy, Physiology, Pathology**

Cornea structure	Conjunctiva	Lid structure
Tear film	Lashes	Crystalline lens
Iris	Pupil	Sclera

b. Lifestyle Considerations For Contact Lens Wear

Athletics	Work Environment
Climate	Cosmetic
Social	Age

P: Textbooks and Materials to be Purchased by Students:

A list of required and optional textbooks and materials is provided for students at the beginning of each semester.

Q: Means of Assessment:

The course evaluation is consistent with Douglas College evaluation policy. An evaluation schedule is presented at the beginning of the course.

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

Yes.

Course Designer(s)

Education Council / Curriculum Committee Representative

Dean / Director: Dr. Mike Tarko

Acting Registrar: Brenda Walton