

Course Description

OPT 2505 | Contact Lenses 1 | 3 credits

The theory of fitting, and the terminology used for contact lenses are studied. The methods of fitting rigid and soft lenses are discussed and studied. Analysis of the patient's eyeglass prescription and other clinical findings are performed so as to arrive at a contact lens prescription. The fitting of astigmatism and the presbyope are stressed.

Course Competencies

Competency 1:

The student will demonstrate knowledge and comprehension of the anatomy of the eye and adnexa connected to the fitting of contact lenses by:

- a) Describing the gross anatomy of the eye and adnexa.
- b) Describing the microscopic anatomy and physiology of the cornea and lids.

Learning Outcomes

- Solve problems using critical and creative thinking and scientific reasoning.
- Formulate strategies to locate, evaluate, and apply information

Competency 2:

The student will demonstrate knowledge and comprehension of the relatively short history of modern contact lens fitting and use, as well as the earliest attempts of the use of the device by:

- a) Describing the earliest development of contact lenses.
- b) Assessing the latest developments in contact lens technology.

Learning Outcomes

- Solve problems using critical and creative thinking and scientific reasoning.
- Formulate strategies to locate, evaluate, and apply information

Competency 3:

The student will demonstrate knowledge of the advantages and disadvantages and characteristics of soft contact lenses by:

- a) Explaining the history of soft contact lenses.
- b) Listing the characteristics of soft contact lenses.

c) Learning the advantages and disadvantages.

Learning Outcomes

- Solve problems using critical and creative thinking and scientific reasoning.
- Formulate strategies to locate, evaluate, and apply information.