

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: OPT 280 **Credits:** 4

Course Title: Contact Lens III

Course Description:

Promotes the proficiency of clinical skills in fundamental contact lens tasks at the entry level with an emphasis on professional standards. Specialty contact lenses are introduced. Includes state and national certification exam review. Prerequisite: OPT 274 or equivalent. Lecture 2 hours per week and laboratory 4 hours per week.

General Course Purpose:

A capstone course that provides students with the theoretical knowledge and practical hands-on applications of contact lens fitting to enable them to function as effective opticians.

Course Prerequisites and Co-requisites:

Prerequisite: OPT 274 or equivalent

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Demonstrate the entire process of fitting contact lenses from the initial visit to the final follow-up visit
- Describe how to manage a keratoconus patient
- Illustrate a general knowledge of refractive surgical procedures and how they affect contact lens patients
- Demonstrate proper health and safety techniques in a clinical environment
- Gather a complete and accurate patient history
- Take, record and assess keratometry (K) readings
- Evaluate fitting characteristics with appropriate slit lamp illuminations
- Demonstrate cleaning and disinfection procedures for an array of contact lens materials, wearing modality, and patient needs.
- Demonstrate knowledge of various calculations needed for single vision and multifocal contact lens parameters
- Demonstrate proficiency in various techniques of lens insertion and removal
- Identify the need for follow-up visits and manage patient care

Major Topics to Be Included:

- Keratoconus
- Ocular complications and disorders
- Surgical alternatives and post-surgical fitting
- S.O.A.P. contact lens fitting process
- Soft and gas permeable lens cleaning solutions and care products
- Insertion and removal of soft and gas permeable lenses

- Lens ordering and verification
- Follow-up visits
- Use of all instrumentation required for contact lens fittings
- State and national certification exam review

Effective Date/Updated: November 3, 2022