

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: OPT 274 **Credits:** 4

Course Title: Contact Lens II

Course Description:

Explores soft and gas permeable contact lens fitting philosophies, tolerances, and designs. Develops the student's patient evaluation skills, patient training skills, and skills for evaluating the fit and verification of contact lenses. Introduces presbyopic, pediatric and extended wear options. Prerequisite: OPT 273 or equivalent. Lecture 3 hours per week and lab 2 hours per week.

General Course Purpose:

This course expands upon introductory contact lens knowledge and hands-on skills to enable them to function as effective opticians.

Course Prerequisites and Co-requisites:

Prerequisite: OPT 273 or equivalent

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Develop intermediate skills in fitting and evaluating the fit of soft spherical lenses
- Develop basic skills in the fitting and evaluation of soft toric lenses, gas permeable spherical lenses, and presbyopic lens options
- Explain the differences in gas permeable toric lens options and when to use them
- Demonstrate knowledge of contact lens solutions, care procedures, wearing schedules, and follow-up schedules
- Calculate the necessary lens power for spherical gas permeable and soft toric contact lenses
- Perform insertion and removal of a gas permeable contact lens
- Describe the instruments used for the verification of lens parameters
- Apply ANSI standards for soft and gas permeable contact lens verification
- Identify the federal regulations and governmental agencies associated with contact lens wear
- Explain the uses for gas permeable lens modifications
- Identify which presbyopic lens design is most likely to give success with a particular patient profile
- Articulate the differences between lens wear modalities and factors specific to extended wear use
- Explain the differentiating factors when fitting pediatric patients

Major Topics to Be Included:

- Toric soft lenses
- Spherical and toric gas permeable lenses
- Delivery and care procedures
- Contact lens verification and gas permeable lens modification

- Rules and regulations
- Presbyopic options
- Extended Wear options
- Pediatric Options

Effective Date/Updated: August 1, 2023