

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

**Course Prefix and Number:** OPT 274

**Credits:** 3

**Course Title:** Contact Lens Theory II

**Course Description:** Explores soft spherical 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. Prerequisite: OPT 273 or equivalent. Lecture 3 hours per week.

**General Course Purpose:** This course is designed to provide students with a knowledge base of contact lens theory principles 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

- a. Describe the instruments used for the verification of lens parameters;
- b. Demonstrate knowledge of contact lens solutions, care procedures, wearing schedules, and follow-up schedules;
- c. Develop intermediate skills in fitting and evaluating the fit of soft spherical lenses;
- d. Develop basic skills in the fitting and evaluating the fit of soft toric lenses;
- e. Explain rigid toric lenses and when to use them;
- f. Explain the entire process of fitting contact lenses: from the initial visit to the final follow-up visit;
- g. Identify the ANSI standards for contact lens parameters;
- h. Verify rigid contact lens parameters;
- i. Explain the uses for rigid lens modifications;
- j. Describe how to manage a Keratoconus patient;
- k. Identify which bifocal style is most likely to give success with a particular patient profile; and
- l. Illustrate a general knowledge of refractive surgical procedures and how they affect contact lens fitters.

**Major Topics to Be Included:**

- a. Toric soft lenses
- b. Spherical and toric RGP lenses
- c. Delivery and care procedures
- d. Verification and modification
- e. Rules and regulations
- f. Presbyopic options and keratoconus
- g. Ocular complications and disorders
- h. Surgical alternatives and post-surgical fittings

**Date Created/Updated (Month, Day, and Year):** January 30, 2019