

# OPT-2950: OPTICAL FIELD EXPERIENCE II

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## Cuyahoga Community College

**Viewing: OPT-2950 : Optical Field Experience II**

**Board of Trustees:**

January 2022

**Academic Term:**

Fall 2022

**Subject Code**

OPT - Optical Technology

**Course Number:**

2950

**Title:**

Optical Field Experience II

**Catalog Description:**

Supervised field experience in a clinical ophthalmic setting designed to emphasize role of dispensing optician. Students assigned to clinical sites under direct supervision of licensed optician. Students take on advanced responsibilities and have more input into decision making process. Demonstrate advanced assessment skills in patient care and business management and assume more individual responsibility as member of optical team.

**Credit Hour(s):**

2

**Other Hour(s):**

384

**Other Hour Details:**

Field Experience: 24 hours per week for 16 Weeks (384 hours per semester)

## Requisites

**Prerequisite and Corequisite**

OPT-2940 Optical Field Experience I, and concurrent enrollment in OPT-2981 Optical Field Experience Seminar II.

## Outcomes

**Course Outcome(s):**

Fit and dispense well-fitting eyewear, taking into consideration spectacle prescription, facial structure, and physiognomic and ocular measurements.

**Objective(s):**

1. Perform tasks associated with the fitting and dispensing of spectacles.
2. Accurately measure and document the measurements necessary to fabricate spectacles or contact lenses.
3. Respond to patient inquiries and concerns.

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**Course Outcome(s):**

Deliver contact lenses, adhering to federal and state guidelines.

**Objective(s):**

1. Verify spectacles and contact lenses.
  2. Respond to patient inquiries and concerns.
  3. Educate patient about contact lens care and handling.
  4. Maintain accurate patient records, following federal and state guidelines.
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**Course Outcome(s):**

Work within all federal and state guidelines that govern opticianry.

**Objective(s):**

1. Perform tasks associated with the fitting and dispensing of spectacles.
  2. Accurately measure and document the measurements necessary to fabricate spectacles or contact lenses.
  3. Verify spectacles and contact lenses.
  4. Respond to patient inquiries and concerns.
  5. Educate patients about contact lens care and handling.
  6. Maintain accurate patient records, following federal and state guidelines.
  7. Describe the process of applying to become a Licensed Dispensing Optician in Ohio.
  8. Work within the safety standards that govern opticianry.
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**Course Outcome(s):**

Conduct him/herself in a professional manner at all times.

**Objective(s):**

1. Perform tasks associated with the fitting and dispensing of spectacles.
  2. Accurately measure and document the measurements necessary to fabricate spectacles or contact lenses.
  3. Verify spectacles and contact lenses.
  4. Respond to patient inquiries and concerns.
  5. Educate patients about contact lens care and handling.
  6. Maintain accurate patient records, following federal and state guidelines.
  7. Describe the process of applying to become a Licensed Dispensing Optician in Ohio.
  8. Work within the safety standards that govern opticianry.
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**Methods of Evaluation:**

1. Written assignments
2. Supervisor evaluation
3. Instructor evaluation

**Course Content Outline:**

1. Phone etiquette
  - a. Answer phone appropriately
  - b. Triage patients
2. Customer service
  - a. Greet patient
  - b. Employ Consultative Selling Techniques
3. Maintains patient records
  - a. Accuracy
  - b. Adheres to Health Information Portability and Accountability Act (HIPAA) regulations
  - c. Maintain electronic records
  - d. Interpret third party insurance
4. Emergency procedures
5. Advanced frame adjusting skills
  - a. Tool selection
  - b. Standard alignment
  - c. Realignment of eyewear
  - d. Nose pad alignment
    - i. Vertical
    - ii. Frontal
    - iii. Splay
  - e. Pantoscopic angle
  - f. Face form
  - g. Adjustment of multifocals

- i. Segment placement
  - ii. Corridor placement
- 6. Dispensing skills
  - a. Accurate physiognomic measurements
    - i. Interpupillary (PD) measurement
      - 1. Digital dispensing technology
      - 2. Pupillometer
      - 3. PD rule
    - ii. Major reference point
    - iii. Segment height
  - b. Ordering eyewear
    - i. Single vision
    - ii. Bifocal
    - iii. Trifocal
    - iv. Progressive lenses
    - v. Occupational lenses
  - c. Resolve patient concerns
  - d. Dispensing of contact lenses
    - i. Proper care and handling of contact lenses
      - 1. Dispensing Contact Lenses
        - a. Select material prescribed by the refractionist
        - b. Select brand prescribed by the refractionist
        - c. Select base curve prescribed by the refractionist
        - d. Select diameter prescribed by the refractionist
        - e. Identify and label the correct lens for each eye
      - 2. Insertion and removal training
        - a. Rigid gas permeable (RGP)
        - b. Soft lens
      - 3. Proper contact lens care
        - a. RGP
        - b. Soft lens
      - 4. Proper contact lens storage
        - a. RGP
        - b. Soft lens
- 7. Laboratory skills
  - a. Lensometry
    - i. Neutralization of lenses
      - 1. Single vision
      - 2. Multifocal
        - a. Distance
        - b. Near
        - c. Prism
    - ii. Verification of eyewear
      - 1. Distance
      - 2. Near
      - 3. Prism
    - iii. Verification of RGP contact lenses
  - b. Lens finishing
    - i. Eyeglass repair
    - ii. Temple
    - iii. Nosepad
    - iv. Re-string
    - v. Re-mount drilled rimless
  - c. Resolves imperfections caused during the fabrication process
  - d. Calibrate equipment
  - e. Application of American National Standards Institute (ANSI) Standards
- 8. Professional development
  - a. Professional behavior
    - i. Punctuality
    - ii. Positive attitude

- iii. Demonstrates flexibility
- iv. Utilizes unscheduled time in a constructive way
- b. Demonstrates knowledge of Ohio Revised Code 4726
  - i. Ohio Licensure
    - 1. Spectacle
    - 2. Contact lens
  - ii. Licensure application
  - iii. Annual requirements
    - 1. Renewal application
    - 2. Continuing education requirements
      - a. Spectacle
      - b. Contact lens
  - iv. Fees
  - v. Causes of action
  - vi. Display of license
- c. Professional societies
  - i. American Board of Opticianry
  - ii. Opticians Association of America
  - iii. Opticians Association of Ohio
  - iv. National Academy of Opticianry
  - v. Contact Lens Society of America
- d. Life long learning
  - i. Remain current in field through professional literature, conferences and continuing education
  - ii. Ask pertinent and appropriate questions

## Resources

Bennett, Edward and Vinita Allee Henry. *Clinical Manual of Contact Lenses*. 4th ed. Philadelphia, PA: Lippincott Williams and Wilkins, 2014.

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Contact Lens Society of America. *Contact Lens Manual Volume 1*. 1st ed. St. Paul, MN: Contact Lens Society of America, 2016.

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Contact Lens Society of America. *Test Review II for Contact Lens Technicians*. 1st ed. Reston, VA: Contact Lens Society of America, 2006.

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First Vision Media Group. *Photochromic Lenses*. Maywood, NJ: First Media Group, 2008.

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Veys, Jane, John Meyler and Ian Davies. *Essential Contact Lens Practice*. 1st ed. Edinburgh: Butterworth-Heinemann, 2002.

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## Resources Other

1. American Optometric Association. <https://www.aoa.org/patients-and-public/caring-for-your-vision/contact-lenses?sso=y> (<https://www.aoa.org/patients-and-public/caring-for-your-vision/contact-lenses/?sso=y>) 2019.
2. <https://www.myalcon.com/tools-resources/patient-education/index.shtml> (<https://www.myalcon.com/tools-resources/patient-education/index.shtml>)
3. Centers for Disease Control and Prevention. "Healthy Contact Lens Wear and Care." <https://www.cdc.gov/contactlenses/index.html> 2019.
4. Contact Lens Spectrum. <https://www.clspectrum.com/> Pentavision, Inc, 2019.
5. GP Lens Institute, The Educational Resource for Custom Manufactured Contact Lenses. <http://www.gpli.info/online-curriculum/> Contact Lens Manufacturers Association, 2020.
6. Khan Academy. <https://www.khanacademy.org/> 2019.
7. OptiBoard Forums. <http://www.optiboard.com/forums/> 2019
8. Quantum Optical. <http://www.quantumoptical.com/> 2019.
9. Review of Optometry. <https://www.reviewofoptometry.com/> Jobson Medical, Inc. 2019
10. <https://timroot.com/videos/>
11. <https://www.visioncareproducts.com/>

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