# 12 01 01

**TITLE**  OPTHALMOLOGY  
The student will participate with new Ophthalmology residents in the department's new resident orientation course for the four weeks of July.

**DIRECTOR**  Zelia M. Correa, MD, PHD  
correazm@uc.edu  
Building: MAB  
Phone: 513-475-7300  
Room: 1500

**ADMINISTRATIVE SUPPORT PERSON**  Michele Wyan  
BUILDING: MSB  
EMAIL: michele.wyan@uc.edu  
PHONE: 558-0815  
ROOM: 5110

**INSTRUCTOR**  James Augsburger  
Andrea Burke MD  
Adam Kaufman MD  
Karl Golnik MD  
Robert Hutchins MD  
Dwight Kulwin MD  
Joshua Sands MD  
Arden Wander MD  
Edward Holland MD  
Miles Burke  
Robert Osher MD  
Zelia Correa MD, PHD

**SITE**  Cchmc  
University Hospital  
Cincinnati, Eye Institute

**REPORT 1ST DAY**  Stetson 5300 8:00 a.m.  Call 558-0815

**LENGTH**  4 wks

**CREDITS**  8

**MAX. ENROLL**  7  
FT/PT: Full-Time

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**WORKING HOURS**  8:00 a.m. - 5:00 p.m.
### OPHTHALMOLOGY

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<tr>
<th>Type/Format</th>
<th>Hours</th>
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<tr>
<td>Outpatient/ambulatory care experience (one-to-one instruction)</td>
<td>16 hrs</td>
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<td>Library time/independent study</td>
<td>6 hrs</td>
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<td>Lectures, conferences, seminars, grand rounds, etc.</td>
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<td>Hands-on application</td>
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<td><strong>Total</strong></td>
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### Responsibilities
- Work up and follow patients
- Interpreting clinical data (X-rays, lab results, etc.)
- Performance of procedural techniques
- Attendance of conferences, grand rounds, research seminars, lectures
- Reading of literature and research
- Patient presentations
- Required topic presentations; One major presentation, one paper and one assignment related to humanism
- Structured journal club/critical reading of literature presentation; One or two
- Take multiple choice exam and perform clinical skills exam on last day

### Prerequisites
Permission of the course coordinator required to enroll. Students should know that previous completion of two-week special clerkship in ophthalmology at UC or other proof of prior experience in Ophthalmology is required.

### Orientation
Zelia M. Correa. MD, PhD

### Teaching
- **40%** Attending physician
- **6%** Senior resident/fellow (clinical)
- **4%** Junior resident
- **2%** Research faculty
- **48%** Other faculty

### Feedback
Elective director

### Final Grade
- **15%** Clinical work performance evaluations
- **15%** Attitude, e.g., professionalism, motivation etc
- **20%** In-house multiple choice or other objective exam
- **15%** Clinical skills exam (formal)
- **25%** Topic presentation
- **10%** Participation in interactive conferences and lectures

**Grade Assigned By:** Elective director

### Objectives
**Knowledge/Skills**
- At the end of this elective, the student will be able to discuss the spectrum of clinical disorders likely to be encountered in ophthalmic practice
  1. Perform at the entrance level of a 1st year Ophthalmology resident
  2. Obtain a pertinent ophthalmic history
  3. Perform a basic and intermediate eye examination competently
  4. Recognize many ophthalmic abnormalities and disorders one is likely to encounter in clinical practice
  5. Empathize with patients facing or afflicted with loss of sight
  6. Describe the major advantages of a possible career in ophthalmology

**Procedures**
N/A

**Attitudes (include professional attitudes/behaviors)**
1. Understand and empathize with patients facing loss of sight.
2. Introduce students to the practice of ophthalmology to aid the student in deciding on ophthalmology as a career.

**Main Course Topics (Provide list of key words for major concepts covered)**

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University of Cincinnati - College of Medicine

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1. Ophthalmic history and basic ophthalmic physical examination
2. Slit lamp biomicroscopy of anterior segment and fundus
3. Binocular indirect ophthalmoscopy of fundus
4. Anatomy of eye and orbit
5. Basic ocular pathology
6. Basic ocular pharmacology
7. Vision, optics, and refraction
8. Visual field testing
9. Fundus fluorescence angiography
10. Ocular ultrasonography
11. Ocular injuries and other ocular emergencies
12. Subspecialty lectures
   a. Pediatric ophthalmology
   b. Glaucoma
   c. Ophthalmic plastic surgery
   d. Contact lenses
   e. Cataracts
   f. Uveitis
g. Neuro-ophthalmology
h. Retina-vitreous
   i. Cornea and external ocular diseases
   j. Refractive surgery
   k. Ocular oncology

Reading and/or Texts:
Bradford CA (Ed.) Basic Ophthalmology for Medical Students and Primary Care Residents. American Academy of Ophthalmology publication #0230048 (1999)

Other Resources - Computer resources
Wiki Page (access will be given at the begining of the elective). Blackboard content.
Photo CD of ophthalmic images will be also available.

Other Resources - Audiovisuals
PowerPoint presentations

Other Resources - Other ( include learning stations, X-ray and image files, viewboxes, EKG reading)
Hands on experience with all ophthalmic equipment used in a complete eye history and practice techniques on each other.

Objectives
1- Patient Care: Students should be able to obtain an accurate history that is both objective and thorough, perform a basic ophthalmic exam, and describe all abnormal findings in a given patient. Furthermore, develop a differential diagnosis and adequate assessment of each abnormal finding.

2- Medical Knowledge: Students should be able to understand the anatomy, histology and physiology of the eye. Additionally, he/she should know the altered structure and its function in detail to discuss the patient’s case.

3- Interpersonal and Communication skills: Students should be able to communicate respectfully and effectively with faculty, other medical students, and staff. Students should also communicate with patients, families, caregivers, and medical interpreters with respect, sensitivity, and compassion in a culturally sensitive manner.

4- Systems-based practice: Students must be aware and responsive to the health care system, and use the system resources to provide care that is of optimal value.

5- Practice-based learning and improvement: Students should develop skills to continue their improvement. Become independent learners, and critically analyze the medical literature using principles of evidence –based medicine to care for the patient.

6- Professionalism: Students must be respectful and sensitive to diverse patient populations, be committed to professional service and be ethical in their attitude and behavior.

SAMPLE WEEK

Monday
8:00 am  5:00 pm  Following new residents in orientation

Tuesday
8:00 am  5:00 pm  Following new residents in orientation

Wednesday
8:00 am  5:00 pm  Following new residents in orientation

Thursday
8:00 am  5:00 pm  Following new residents in orientation

Friday
8:00 am  5:00 pm  Following new residents in orientation

Schedule Note
The four week course primarily follows an 8 am-5 pm schedule of didactic sessions varying dramatically each week. This elective, offered only in July, incorporates the new resident orientation schedule.