



**University of Cincinnati - College of Medicine
2013-2014 Elective Syllabi**

OPHTHALMOLOGY

12 01 01

TITLE OPHTHALMOLOGY

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
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ADMINISTRATIVE SUPPORT PERSON Michele Wyan
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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

hours

ROTATION	MIN	MAX
1 7/1/2013 to 7/26/2013		7
2 7/31/2013 to 8/27/2013		0
3 9/3/2013 to 9/27/2013		0
4 10/1/2013 to 10/28/2013		0
5 10/30/2013 to 11/26/2013		0
6 12/2/2013 to 12/27/2013		0
7 1/2/2014 to 1/29/2014		0
8 1/31/2014 to 2/27/2014		0
9 3/3/2014 to 3/28/2014		0
10 4/1/2014 to 4/25/2014		0
11 4/29/2014 to 5/23/2014		0
12 5/26/2014 to 6/30/2014		0

WORKING HOURS 8:00 a.m. - 5:00 p.m.

INSTRUCTION



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TYPE/FORMAT	16 hrs	Outpatient/ambulatory care experience (one-to-one instruction)
	6 hrs	Library time/independent study
	14 hrs	Lectures, conferences, seminars, grand rounds, etc.
	<u>4 hrs</u>	Hands-on application
	40 hrs total	
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	
<u>OBJECTIVES</u>	<u>Knowledge/Skills</u> 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 <u>Procedures</u> N/A <u>Attitudes (include professional attitudes/behaviors)</u> 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. <u>Main Course Topics (Provide list of key words for major concepts covered)</u>	



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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)
Riordan-Eva P, Whitcher JP (Eds.). Vaughan and Asbury's General Ophthalmology, 16th edition, 2004
Wilson FM (Ed.) Practical Ophthalmology: A Manual for Beginning Residents, 4th edition. Am Acad Ophthalmol, 1996

Other Resources - Computer resources

Wiki Page (access will be given at the beginning 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



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- 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.