COURSE OBJECTIVES (in order of importance)
1. Perspectives on ophthalmic basic science & clinical ophthalmology.
2. Introduction to some of the important principles and applications of basic vision research to the understanding of ocular structure function and pathology.
4. Observation of various types of ophthalmic operations, including cataract surgery, and glaucoma surgery.

COMMON PROBLEMS/DISEASES
1. Cornea-External ocular
2. Glaucoma
3. Strabismus
4. Cataract
5. Retinal-vascular diseases
6. Neurological diseases
7. Diabetes
8. Oculo-plastics

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 375

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:30 – 12:00 3 Lectures</td>
<td>8:30 – 12:00 2–3 Lectures</td>
<td>8:00 – 12:00 Clinical Faculty Offices</td>
<td>8:00 – 12:00 Operating Room—Observe Eye Surgery</td>
<td>7:30 – 8:30 Retina Rounds 8:30 – 12:00 Outpatient Offices</td>
</tr>
<tr>
<td>PM</td>
<td>JSEI University Ophthalmology Associates (UOA)</td>
<td>1:00 – 5:00 Outpatient Offices 5:30 – 7:00 Fluorescein Angiography Conf. (1st Tues. of month)</td>
<td>12pm Wkly Glaucoma Conf. 2:45 - 6:15: Basic Science Course &amp; Grand Rds 7:00 – 9:00 Basic Science Lecture for First-Year Residents</td>
<td>1:00 – 5:00 Operating Room—Observe Eye Surgery</td>
<td>1:00 – 5:00 Outpatient Offices</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:
ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: For further details about this elective please contact Debbie Sato at the number listed above.
COURSE CHAIR: Sherwin J. Isenberg, M.D.
JoAnn Giaconi, M.D. – Co-Chair

PHONE #: (310) 222-2731

E-MAIL: shisenberg@ucla.edu

SUPPORTING FACULTY:
Richard Holt, M.D. and JoAnn Giaconi, M.D.

STUDENT EXPERIENCES
CLOSE CONTACT WITH:
X FULL-TIME FACULTY
X CLINICAL FACULTY
FELLOWS
X RESIDENTS
X INTERNS

COMMON PROBLEMS/DISEASES
1. Red eye
2. Strabismus
3. Glaucoma
4. Cataracts
5. Retinal disorders
6. Post-operative patients
7. Trauma

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 25
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 275

TYPICAL WEEKLY SCHEDULE

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Observation of trauma surgery is optional.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
OP250.04  OPHTHALMOLOGY

Advanced Clinical Clerkship  Location: OVH  2009-2010
Revised: 12/16/08

STUDENT EXPERIENCES
X FULL-TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
INTERNAL
OTHER:

COMMON PROBLEMS/DISEASES
1. Cataract
2. Strabismus
3. External eye disease
4. Oculoplastics
5. Retina
6. Glaucoma
7. Diabetic retinopathy
8. Uveitis

INPATIENT: 5%
OUTPATIENT: 95%
CONSULTATION: 10%
PRIMARY CARE: 90%

CLOSE CONTACT WITH:

1. Knowledge of the common diseases affecting the visual system including cataract, strabismus, glaucoma, uveitis, diabetic retinopathy, retinal detachment, external infections, optic neuropathies, and macular degeneration.
2. Understanding of the pattern and etiology of the most common visual field deficits.
3. Ability to perform a limited ophthalmologic history and physical examination and to formulate an initial plan of management (treatment or referral).
4. Knowledge of ophthalmic emergencies, i.e., central retinal artery occlusion, angle closure glaucoma, penetrating globe injuries, and ocular inflammation (red eye).
5. Ability to perform emergency room care of the acute ophthalmic emergencies.
6. Knowledge of the pharmacology of common drugs used in ophthalmology, e.g., mydriatics, cycloplegics, anti-glaucoma medications, topical steroids, and topical antibiotics.
7. Familiarity with ophthalmologic diagnostic equipment and techniques.
8. Exposure to ophthalmic diagnostic equipment and techniques.
10. Oral presentation of clinical data.

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 25
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 250

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Surgery</td>
<td>Surgery</td>
<td>General Clinic</td>
<td>Division</td>
<td>General Clinic</td>
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<td></td>
<td>General Clinic</td>
<td>Pediatric Clinic</td>
<td>Surgery Conference</td>
<td>Surgery</td>
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<tr>
<td>PM</td>
<td>General Clinic</td>
<td>Surgery/Oculoplastics Clinic</td>
<td>Jules Stein Eye Institute Grand Rounds</td>
<td>General Clinic</td>
<td>General Clinic</td>
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<tr>
<td></td>
<td>Surgery</td>
<td>Retina Surgery</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Each student will work closely with the resident and the attending staff in the clinic and surgery. The student will make one 10–15 minute presentation on the topic of his or her choice to the Division Conference during the rotation.
OP250.06  ADVANCED CLINICAL ELECTIVE IN OPHTHALMOLOGY

Advanced Clinical Clerkship  Location: UCLA  2009-2010
Revised: 6/12/09

COURSE CHAIR:  
Michael B. Gorin, M.D., Ph.D.
Tara A. Young, M.D., Ph.D.

PHONE #:  

COURSE OBJECTIVES (in order of importance)  
1. Obtain exposure to a diverse patient population and disorders that require intensive and sophisticated clinical, diagnostic and management skills.
2. Learn to correlate clinical situations with current knowledge and research with a subspecialty area of ophthalmology in conjunction with specific reading assignments from reference texts and peer-reviewed research journals.
3. Understand the development testing, and biological and genetic principles associated with some of the most advanced surgical techniques, diagnostic methods and new therapies for eye disorders.

SUPPORTING FACULTY:  
Drs. Robert Goldberg, Ralph Levinson, Kevin Miller, Christine Gonzalez, and other ophthalmology faculty members by prior arrangement.

STUDENT COORDINATOR:  
Tarshia Nulliah  
(310) 206-7484
E-MAIL: nulliah@jsei.ucla.edu

REPORT TO: Lariza Sayas, 3rd Fl., Doris Stein Research Center, JSEI

PREREQUISITES: Required Ophthalmology

AVAILABLE FOR EXTERNALS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2009-2010 ROTATIONS BEGIN WEEKS: By Arrangement

DESCRIPTION: This course will allow the medical student who has already obtained a basic idea of Ophthalmology through the 3rd year required course to gain more intensive experience in a highly specialized academic ophthalmology setting. The student will work closely with one or more nationally-recognized ophthalmic subspecialist and clinician-scientist. The student will also be directed to intensive reading assignments in a specific area of ophthalmology to gain experience in clinical diagnosis, treatment, and surgery of complex ophthalmic disease processes as glaucoma, retinal diseases, ophthalmic plastics, or cataract surgery.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Diabetic retinopathy  INPATIENT: 5%
2. Retinal detachment  OUTPATIENT: 95%
3. Age related macular degeneration  CONSULTATION: 100%
4. Retinopathy of prematurity  PRIMARY CARE: 0%
5. Glaucoma
6. Cataracts
7. Intraocular lens implantation

CLOSE CONTACT WITH:
X FULL-TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER:

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 0

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 75

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
<td>Surgery</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
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<tr>
<td>PM</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
<td>Clinical and Basic Science Seminars</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The student must coordinate his/her monthly rotation on a one (1) preceptor--either Dr. Yoshizumi, Dr. Goldberg, Dr. Miller (or other ophthalmology faculty member by prior arrangement)--to one (1) student basis in a particular subspecialty choice and arrange for the 1 month time period in accordance with the schedule of the preceptor. Call Ms. Lariza Sayas 310-206-7484.
OP264.01 OPHTHALMIC PATHOLOGY

Advanced Clinical Clerkship
Location: UCLA 2009-2010
Revised: 11/24/08

STUDENT EXPERIENCES

CLOSE CONTACT WITH:
X FULL-TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER:
N/A
N/A
N/A
N/A
N/A
N/A
N/A

COMMON PROBLEMS/DISEASES
1. Inflammation
2. Trauma/wound healing
3. Developmental/congenital defects
4. Intraocular tumors
5. Pathology of conjunctiva
6. Pathology of cornea
7. Pathology of lens
8. Pathology of retina

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 15 – 18
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 50+

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Microscopic Reading of Surgical Specimens Assigned Reading</td>
<td>Gross in Autopsy Eyes Microscopic Reading of Surgical Specimens</td>
<td>Gross in Autopsy Eyes Microscopic Reading of Surgical Specimens Sign-Out Conference</td>
<td>Gross in Autopsy Eyes</td>
<td>Gross in Autopsy Eyes Microscopic Reading of Surgical Specimens Written examination</td>
</tr>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: There is no overnight call or scheduled weekend activities.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Students will be evaluated both subjectively and objectively. Students will be given a written test on assigned reading. Although there is no call schedule, students may pick a “mini-project” to work on during this rotation.