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<th>Week 1</th>
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<th>June 23 – July 1, 2012</th>
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<td>13 August – 19 August 2012</td>
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<td>Week 34</td>
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<td>Week 35</td>
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<td>18 February – 24 February 2013</td>
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<tr>
<td>Week 36</td>
<td>Required Senior POM Course</td>
<td>25 February – 3 March 2013</td>
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<td>Week 37</td>
<td>Required Senior POM Course</td>
<td>4 March – 10 March 2013</td>
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<tr>
<td>Week 38</td>
<td>Required Senior POM Course</td>
<td>11 March – 17 March 2013</td>
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<td>Week 39</td>
<td>Required Senior POM Course</td>
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<td>Week 45</td>
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<td>29 April – 5 May 2013</td>
</tr>
<tr>
<td>Graduation</td>
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<td>19 May 2013</td>
</tr>
</tbody>
</table>
GWUSOM Graduation Requirements

Students must satisfactorily complete all six required third year clerkships plus the listed requirements before graduation. Any of the courses within each category will fulfill that requirement. (If a student spends four weeks in a course with a two week requirement, the requirement is fulfilled and credit is given for two weeks of free choice elective time.)

1. **Acting Internship in Medicine or Pediatrics**  
   (or in certain circumstances, in Family Practice)
   - MED 332, 333, 334  
   - PED 360, 361, 362, 363, 365  
   4 weeks

2. **Anesthesiology**  
   (do not repeat if taken in Surgery)
   - ANES 302, 380  
   2 weeks

3. **Emergency Medicine**
   - EMED 302 or PED 405  
   4 weeks

4. **Clinical Neuroscience**  
   (do not repeat if taken in MSIII)
   - NEUR 380  
   4 weeks

5. **Practice of Medicine/POM IV**
   - weeks 36-39

6. **Free Choice Electives**  
   14 weeks (+)  
   (Add 2 weeks if Anesthesia was taken during Surgery. Subtract weeks of elective time completed during MSIII).

**Core Clerkships**

*If all or part of Primary Care, ObGyn, Pediatrics, or Psychiatry were deferred during Year III, the eight week rotation must be completed by week 35 of the senior year.*
Dropping and Adding Courses

The senior year is a busy time with many unpredictable events and needs. Therefore, almost all of you will need to change your course schedule at some time during the year. On the other hand, faculty have a need to know who to expect and when to expect you for clinical rotations, many of which take a great deal of effort to organize. In addition, many popular electives end up with long waiting lists.

Once the course schedules are set at the beginning of each semester and faculty have been notified of your expected arrival, you may not change your schedule without completing a “drop-add” form. You can check availability of a course by contacting the Dean’s Office or Dean Haywood in the Dean’s Office (202-994-2170). If the course you wish to take is available, you must have the form signed to drop the course you are currently registered for and then the add form must be signed by the faculty member whose course you wish to add before we will change your schedule.

Fall Semester Faculty Notification – June 15, 2012
Spring Semester Faculty Notification – December 7, 2012

********After these dates you must complete a drop-add form to change courses********

If you attempt to drop a course at the last minute it will frequently upset the faculty and fellow students on the wait list who will be unable to change their plans to fill your vacated space. Therefore, you may only drop a course up until one month before the scheduled start date. If you wish to change your schedule on shorter notice than one month, you must have approval of Dr. Haywood as well as the relevant faculty members.

It is ultimately your responsibility to be sure that you meet all graduation requirements. Therefore, if you change courses, be sure that you meet the required number of weeks of elective course work as well as the required specialty course work.
### Drop/Add Form for Schedule Changes

Form for changing the Year IV schedule after the semester deadline: The student named below is seeking to change his/her senior schedule after the final date listed in the “GW Student Senior Timetable.” This ‘contract’ states that students can make no subsequent changes in the current semester schedule without written approval of the Course Director(s) and/or the Dean. Please fill out all the information below:

**Students Name:** ___________________________  **Today’s Date:** __________

#### Course to be Dropped

<table>
<thead>
<tr>
<th>Dept/Course #:</th>
<th>Course Director:</th>
</tr>
</thead>
</table>

Starting Week: _____ for ____ weeks  **Course Dates:** _________ to ______________

**Reason:**

__________________________________________

__________________________________________

__________________________________________

* I agree to this change:  **Yes  No**

**Course Director:** ___________________________  **Date:** __________

*Signature Required*

#### Course to be Added

<table>
<thead>
<tr>
<th>Dept/Course #:</th>
<th>Course Director:</th>
</tr>
</thead>
</table>

Starting Week: _____ for ____ weeks  **Course Dates:** _________ to ______________

**Reason:**

__________________________________________

__________________________________________

__________________________________________

* I agree to this change:  **Yes  No**

**Course Director:** ___________________________  **Date:** __________

*Signature Required*

**Faculty should be aware that if this change is inconvenient, displaces other students, or is otherwise unacceptable, the Dean’s Office will fully support your decision to not grant permission for this late change.**
PERMISSION TO TAKE OFF-CAMPUS ELECTIVE

(Please Print Legibly)

Name: ___________________________________________ Date: __________

Name of Host Institution: __________________________________________

Course Title/Specialty: __________________________________________

Signature Approval Required by GWUSOM Course Director:

_________________________________________

(*Course Director’s Signature is Required*)

Date of Course: from _______________ to _______________

Preceptor or Contact Name: __________________________________________

Preceptor or Contact Number: _________________________________________

How is this course listen in your schedule:

(i.e., MED 390, MED 391, PEDS 390, PEDS 391, etc)

Does this fulfill a requirement? __________ Which requirement? ______________

*How can we reach you while you are away?*

Email address: _____________________________________________________

Cell phone number: ________________________________________________

Note: When this information is completed, signed, and received by the Dean’s Office prior to the beginning date of the elective, credit will be registered and GWU malpractice insurance will be in effect.
GWU SMHS Contact Information

Office Address: Telephone: (202) 994-2987
GWU SMHS-Dean’s Office Fax: (202) 994-0926
2300 I Street, NW
Ross Hall Suite 713 W
Washington DC, 20037

Jeffery S. Akman, MD
Interim Vice Provost for Health Affairs
Dean, SHMS
akman@gwu.edu
(202) 994-4356

Alex Stagnaro-Green, MD, MHPE
Senior Associate Dean, Educational Affairs
alexsg@gwu.edu
(202) 994-3468

Yolanda Haywood, MD
Associate Dean, Student Affairs
yhaywood@gwu.edu
(202) 994-2987

Jessica Fountaine
Executive Coordinator, Student Affairs
msdjlf@gwu.edu
(202) 994-3176

Yvonne Rhodes
Executive Assistant
yrhodes@gwu.edu
(202) 994-2987

Stevens VanDuzer
Executive Coordinator, Student Affairs
svanduze@gwu.edu
(202) 994-2202

Vincent Chiappinelli, PhD
Interim Associate Dean of SMHS
Associate Vice Provost for Health Affairs
vac@gwu.edu
(202) 994-2032

W. Scott Schroth, MD, MPH
Senior Associate Dean, Academic Affairs
wschroth@gwu.edu
(202) 994-2202

Rhonda Goldberg, MA
Associate Dean, Student Affairs
rmgoldb@gwu.edu
(202) 994-3176

LaQuita Beale
Executive Coordinator, Curricular Affairs
lbeale@gwu.edu
(202) 994-2170

Kyle Dirkes
Executive Coordinator, Student Affairs & Registrar
kdirkes@gwu.edu
(202) 994-3501
## Third Year Clerkship Directors and Coordinators

<table>
<thead>
<tr>
<th>Dept</th>
<th>Director</th>
<th>Phone</th>
<th>Coordinator</th>
<th>Phone</th>
<th>RM/FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgery</td>
<td>Khashayar Vaziri, MD</td>
<td>741-3365</td>
<td>Jessica Ruiz</td>
<td>741-3157</td>
<td>ACC 6B-402</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:kvaziri@mfa.gwu.edu">kvaziri@mfa.gwu.edu</a></td>
<td></td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medicine</td>
<td>Juan Reyes, MD, MPH</td>
<td>715-4231</td>
<td>Dana Brent</td>
<td>741-2187</td>
<td>ACC 2-105</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:jreyes@mfa.gwu.edu">jreyes@mfa.gwu.edu</a></td>
<td></td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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</tr>
<tr>
<td>Primary Care</td>
<td>Robert Jablonover, MD</td>
<td>741-2263</td>
<td>Dana Brent</td>
<td>741-2187</td>
<td>ACC 2-105</td>
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<tr>
<td></td>
<td><a href="mailto:rjablonover@mfa.gwu.edu">rjablonover@mfa.gwu.edu</a></td>
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<tr>
<td>Psychiatry</td>
<td>Julia Frank, MD</td>
<td>741-2865</td>
<td>Shaira Morales</td>
<td>741-2871</td>
<td>ACC 9-405</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
<td></td>
<td><a href="mailto:smorales@mfa.gwu.edu">smorales@mfa.gwu.edu</a></td>
<td></td>
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<tr>
<td>Pediatrics</td>
<td>Terry Kind, MD</td>
<td>476-5692</td>
<td>Wilhelmina Bradford</td>
<td>476-5692</td>
<td>CNMC 3.5W - 600</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:tkind@childrensnational.org">tkind@childrensnational.org</a></td>
<td></td>
<td><a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<tr>
<td>Obstetrics &amp; Gynecology</td>
<td>Charles Macri, MD</td>
<td>741-2510</td>
<td>Nykiah Betts</td>
<td>741-2510</td>
<td>ACC 6A-423</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:cmacri@mfa.gwu.edu">cmacri@mfa.gwu.edu</a></td>
<td></td>
<td><a href="mailto:nbetts@mfa.gwu.edu">nbetts@mfa.gwu.edu</a></td>
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</table>

Email Addresses for faculty and staff at GWUMC: first initial + last name@mfa.gwu.edu
Email Addresses for Childrens (CNMC): first initial + first seven letters of last name@childrensnational.org

### Mailing Address for Children’s National Medical Center:

**CNMC**  
Medical Education Office  
Floor 3.5, Suite 600  
111 Michigan Avenue, NW  
Washington, DC 20010

### Third Year Courses:

- **MED 301**  
  Primary Care Clerkship
- **MED 301**  
  Internal Medicine Clerkship
- **OB&G 303**  
  Obstetrics and Gynecology
- **PCHI 302**  
  Psychiatry Clerkship
- **PEDS 303**  
  Pediatric Clerkship
- **SURG 303**  
  Surgery Clerkship
<table>
<thead>
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<th>Course Title</th>
<th>Course Director</th>
<th>Location</th>
<th>Contact for Course Information</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>ANAT 291**</td>
<td>Special Projects in Anatomy</td>
<td>Frank Slaby, Ph.D</td>
<td>Ross Hall 212</td>
<td>Dr. Slaby</td>
<td>2/994-8813</td>
<td>n/a</td>
<td><a href="mailto:fjs@gwu.edu">fjs@gwu.edu</a></td>
</tr>
<tr>
<td>ANAT 501*</td>
<td>Didactic Anatomy</td>
<td>Kurt Johnson, Ph.D</td>
<td>Ross Hall 214</td>
<td>Dr. Johnson</td>
<td>2/994-8284</td>
<td>994-8885</td>
<td><a href="mailto:kurtj@gwu.edu">kurtj@gwu.edu</a></td>
</tr>
</tbody>
</table>

*Indicates a course which may be taken for a two-week duration  
** Can be scheduled for two weeks only

**ANAT 291 Special Projects in Anatomy**  
An independent study program on any aspect of gross anatomy. Arrangements must be made with the instructor prior to the start date.  
Report: Contact Course Director  
Course Duration: 2 weeks only  
Evaluation Method: Clinical (subjective) evaluation

**ANAT 501 Didactic Anatomy**  
Didactic Anatomy 501 is an interdisciplinary course incorporating the major anatomical subjects, i.e., gross anatomy, microscopic anatomy, embryology, and neurobiology. The student shall design his/her own program of study in conjunction with the faculty by selecting a topic that addresses 2 of the 4 anatomical subjects. Each program will be done under the direction of 2 of the 4 following faculty members: F. Slaby (gross), K. Johnson (microscopic), K. Johnson (embryo), and R. Bohn (neuro). A paper is required as part of the evaluation.  
Report: Contact Course Director  
Course Duration: 2 or 4 weeks  
Evaluation method: Clinical (subjective) evaluation; paper
ANESTHESIA

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANES 302*</td>
<td>Introduction to Anesthesiology</td>
<td>Nilda Salaman, MD</td>
<td>Roya Navid</td>
<td>GW Hosp G103</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:rnavid@mfa.gwu.edu">rnavid@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>ANES 380&gt;</td>
<td>Anesthesia Sub Internship</td>
<td>Nilda Salaman, MD</td>
<td>Roya Navid</td>
<td>GW Hosp G103</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:rnavid@mfa.gwu.edu">rnavid@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>ANES 384</td>
<td>Intensive Care Unit</td>
<td>Danielle Davison, MD</td>
<td>Roya Navid</td>
<td>GW Hosp G103</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:rnavid@mfa.gwu.edu">rnavid@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>ANES 387*</td>
<td>Pain Medicine</td>
<td>May Chin, MD</td>
<td>Roya Navid</td>
<td>2131 K St. 6th Floor, NW</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:rnavid@mfa.gwu.edu">rnavid@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>ANES 388</td>
<td>Interventional Pain Medicine</td>
<td>Damon Robinson, MD</td>
<td>Dr. Robinson</td>
<td>GW Hosp 6220</td>
<td>746-7246</td>
<td>715-4759</td>
<td><a href="mailto:treatingpain@gmail.com">treatingpain@gmail.com</a></td>
</tr>
<tr>
<td>ANES 390</td>
<td>Extramural Anesthesia</td>
<td>Nilda Salaman, MD</td>
<td>Roya Navid</td>
<td>GW Hosp G103</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:rnavid@mfa.gwu.edu">rnavid@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

*Indicates a course which may be taken for a two-week duration
> Indicates a course which must be reserved by arrangement with the Course Director

**ANES 302 Introduction to Anesthesiology**
Fulfills anesthesia requirement
This course is intended as an introduction to the specialty of anesthesiology. Students will develop an understanding of the anesthetic preoperative evaluation and the preoperative physiologic effects of anesthesia. In addition, students will gain experience in the areas of IV placement and airway management. **Note:** Students will be assigned, at the department's discretion, to GW Hospital or other affiliated hospitals. Additional faculty: Members of the Department of Anesthesia and Critical Care and the members of the anesthesia departments of affiliated hospitals.

**Report:** GW Hospital 6220 at 7:00 am
**Course Duration:** 2 weeks
**Evaluation Method:** Clinical (subjective) evaluation, written examination and seminar performance

**ANES 380 Anesthesia Sub Internship**
Fulfills anesthesia requirement
This course is an advanced elective in anesthesiology. After an introductory period, students will be expected to perform preoperative evaluations, define a plan of care, and implement the plan. All aspects of patient care will be immediately supervised by members of the Department of Anesthesiology. Weekly seminars will supplement the clinical experience. Additional faculty: Members of the Anesthesia and Critical Care Departments.

**Report:** GW Hospital 6220 at 7:00am
**Course Duration:** 4 weeks
**Evaluation Method:** Clinical (subjective) evaluation, written examination, and seminar performance

**ANES 384 Intensive Care Unit**
The GW Hospital ICU is a unique multidisciplinary critical care unit that cares for all surgical and medical patients except pediatrics and burns. Students work as an AI with residents from Surgery, Anesthesia and Internal Medicine, and are closely supervised by the Critical Care attending physician and fellow. There is a great deal of clinical bedside teaching, as well as didactic presentations 3 days/week, daily x-ray rounds, and other collaborative teaching exercises. The student will learn how to evaluate and initiate treatment of the critically ill adult, including airway and ventilator management, resuscitation of shock, hemodynamic evaluation and interpretation, cardiovascular support, renal replacement therapy, nutritional support, use of blood component therapy, and peri-operative management. Students are taught and allowed to perform procedures. Night call is five times per month. Additional faculty includes: Dr. Michael G Seneff (Medicine), Dr. Christopher Junker (Anesthesia), Dr. Lakhmir Chawla (Medicine and Nephrology), Dr. Bruce Abell (Surgery), Dr Lynn Abell (Surgery), Dr. Jacqueline Honig (Anesthesia), Dr. Seth Akst (Anesthesia), Dr Vinayak Jha (Medicine), Dr. Jalil Ahari (Medicine), and Dr. Katrina Hawkins (Medicine).

**Report:** 5th Floor ICU at 7:45 am. ICU Fellow's Number: 715-6141
**Course Duration:** 4 weeks
**Evaluation Method:** Clinical (subjective) evaluation 90%, and 15 minute presentation (objective) 10%.
ANES 387 Pain Medicine
The goals and objectives are to learn various acute and chronic painful conditions by evaluating patients and discussing options available for pain management. The student will encounter outpatients with spine related (back and neck), neuropathic pain, and cancer pain. They will learn pharmacological (opioids and non opioids) and non pharmacological options for pain control. The student will be exposed to various image guided interventional techniques in pain management. Students will have the opportunity to observe and assist in interventional procedures in the surgery center. The student will have an opportunity to observe regional techniques for perioperative pain control. Students may round with the Acute Pain Service on postoperative patients and assist with inpatient consultations. The student will have an opportunity to observe options for pain control at the Center for Integrative Medicine using complementary techniques and alternative medicine. If there is interest, there may be opportunities for the student to participate in research or study projects.

Report: Pain Management Center – 2131 K Street, Suite 600. Ask for Dr. Chin
Course Duration: 2 weeks or 4 weeks
Evaluation method: Clinical (subjective) evaluation, oral presentation, and written test

ANES 388 Interventional Pain Medicine
Students will have an opportunity to shadow a board-certified anesthesiologist and pain physician in a private practice near George Washington. Students will learn about the management of chronic pain through a multi-modality approach which will consist of interventional pain procedures (epidurals, facet injections, lumbar sympathetic blocks, discography, spinal cord stimulation, trigger point injection, platelet rich plasma, prolotherapy, joint injections, etc) medication management so students will be more knowledgeable, comfortable and competent in managing complex patients who need opioids. Hours 7:30 - 3:30. No call. Additional faculty: Virgil Balint, MD

Report: Contact Dr. Robinson
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation

ANES 390 Extramural Anesthesiology Elective
The department may permit selected students to spend one or more elective periods at other institutions. This course available to GW students only.

Evaluation Method: Variable
<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;EMED 302</td>
<td>Emergency Medicine</td>
<td>Annette Dorfman, MD</td>
<td>Scharlean Prevalle</td>
<td>ACC 2B</td>
<td>741-2996</td>
<td><a href="mailto:agrajny@gwu.edu">agrajny@gwu.edu</a></td>
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<td><a href="mailto:sprevalle@mfa.gwu.edu">sprevalle@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 350</td>
<td>Wound Management</td>
<td>Jim Marinucci</td>
<td>Jim Marinucci</td>
<td>ACC 2B</td>
<td>741-2924</td>
<td><a href="mailto:jmairnucci@mfa.gwu.edu">jmairnucci@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 390</td>
<td>Extramural Emergency Medicine</td>
<td>Annette Dorfman, MD</td>
<td>Scharlean Prevalle</td>
<td>ACC 2B</td>
<td>741-2996</td>
<td><a href="mailto:agrajny@gwu.edu">agrajny@gwu.edu</a></td>
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<tr>
<td>EMED 504</td>
<td>Emergency Medicine Research</td>
<td>Jeremy Brown, MD</td>
<td>Dr. Brown</td>
<td>ACC 2B</td>
<td>741-2902</td>
<td><a href="mailto:jbrown@mfa.gwu.edu">jbrown@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 505*</td>
<td>Intl’l Emergency Medical Systems</td>
<td>Jeffrey Smith, MD</td>
<td>Dr. Smith</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:jsmith@mfa.gwu.edu">jsmith@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 506</td>
<td>Intl’l Emergency Medicine</td>
<td>Jeffrey Smith, MD</td>
<td>Dr. Smith</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:jsmith@mfa.gwu.edu">jsmith@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 508*</td>
<td>Health Policy Issues</td>
<td>Steven Davis, MD</td>
<td>Dr. Davis</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:stdavis@mfa.gwu.edu">stdavis@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 515*</td>
<td>Death and Dying: Grim Reaper 101</td>
<td>Ryanne Mayersak, MD</td>
<td>Dr. Mayersak</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:ree@mfa.gwu.edu">ree@mfa.gwu.edu</a></td>
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<tr>
<td>EMED 516*</td>
<td>Wilderness Medicine</td>
<td>Bruno Petinaux, MD</td>
<td>Dr. Petinaux</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:bpetinaux@mfa.gwu.edu">bpetinaux@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>EMED 517*</td>
<td>Point-of-care Ultrasound</td>
<td>Yiju Teresa Liu, MD</td>
<td>Dr. Liu</td>
<td>ACC 2B</td>
<td>741-2911</td>
<td><a href="mailto:tliu@mfa.gwu.edu">tliu@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

Fax number for Emergency Medicine Department: (202) 741-2921

*Indicates a course which may be taken for a two-week duration
> Indicates a course which must be reserved by arrangement with the Course Director

>EMED 302 Emergency Medicine

Fulfills emergency medicine requirement.
Space must be reserved prior to the lottery.
Reservation required weeks 2-13

Required clerkship for senior medical students. Students will work approximately 14 clinical shifts (day, evening, and night shifts) at GW Emergency Department and Prince George’s Hospital Center Emergency Department in Cheverly, MD. Both are high acuity and high volume departments. Students function at an acting intern level with responsibility for patient care under the direct supervision of the faculty and residents of the Department of Emergency Medicine. This course offers a wound care lab, simulation sessions, regularly scheduled student lectures, required readings and Grand Rounds. Students must attend GW and PG orientation during the first two days of the rotation in order to complete any clinical shifts. Students are required to have transportation to both clinical shifts. This course is a pre-requisite for all elective rotations in Emergency Medicine.

Report: 8 am to Ross Hall on the first Monday of each rotation (room announced monthly)
Contact course coordinator for additional information
Course duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation, written examination and attendance at mandatory didactics.

EMED 350 Wound Management

The course will open with a week long orientation including ED computer training (for those not yet oriented to the GW ED’s IBEX system), didactic and laboratory instruction in both acute and chronic wound management techniques. Following successful completion of the orientation, the student will be assigned to work 36-40 hours per week in eight to twelve hour rotating shifts, with four to eight hours each week being dedicated to didactic instruction. Clinical shifts will involve first-hand wound care, including preparation, anesthesia, general and cosmetic repairs, dressings, splints and minor orthopedics and aftercare instruction, with one-on-one teaching and supervision by the Course Director, Physician Assistant, and Attending Staff. Night shifts: 2 or 3 (12 hours) per rotation.

After initial computer match, students must contact Mr. Marinucci at 741-2924 at least one week before starting this clerkship
Report: Contact Course Director
Course Duration: 4 weeks only
Evaluation Method: Clinical (subjective) evaluation, written evaluation, and seminar performance.

EMED 390-393 Extramural Emergency Medicine

The department will allow selected students to spend elective periods at other institutions. Available to G.W. students only.
EMED 504 Emergency Medicine Research
2 or 4 week elective in a selected topic of Emergency Medicine. Project can involve clinical or bench research but must be approved and directly monitored by an Emergency Medicine faculty member.
Students should contact Course Director at least 12 weeks before their elective is scheduled to begin research preparation.

EMED 505 International Emergency Medical Systems
Offered in weeks 44/45 only
Elective focuses on the development and deployment of EMS, disaster, emergency medical care and injury control and prevention programs globally. Additional faculty: Tenagne Haile-Mariam, MD
Report: Contact Course Director
Course Duration: 2 weeks in 44/45 only

EMED 506 International Emergency Medicine
4 week clinical elective in acute care medicine abroad. Students will work closely with a faculty member of the Emergency Medicine department to design the elective. Additional faculty: Tenagne Haile-Mariam, MD
Students should contact the department at least six months before the elective is planned.

*EMED 508 Health Policy Issues
Offered in weeks 34/35 only
2 week elective on health policy issues that pertain to the practice of Emergency Medicine including access to health care, Emergency Department overcrowding, cost-benefit analysis of health expenditures and analysis of the health care debates that affect the practice and future of Emergency Medicine. Current Federal Health Care Reform topics will also be covered, with particular focus on there impact on the practice of Emergency Medicine
Additional faculty: Robert Shesser, MD, Jen Lee, MD, as well as others, to be announced
Report: Contact Course Director
Course Duration: 2 weeks
Evaluation Method: Paper; Seminar performance

*EMED 515 Death and Dying; Grim Reaper 101
Offered in weeks 18/19 only
Discussion and course reading regarding death and dying. Course objective: To create a forum to discuss relevant issues related to end-of-life care. By the end of this course the participant should be familiar with such terms as durable power of attorney, living wills, as well as have a better understanding of the pathophysiology and spirituality of death. The participant will be graded on course participation and his course journal.
Report: Contact Course Director
Course Duration: 2 weeks
Evaluation: Seminar Performance and journal

*EMED 516 Wilderness Medicine
Offered in weeks 42/43 only
A two-week elective consisting of lectures, practicals, skill sessions, and scenarios intended to expose the students to practicing medicine in extreme environments. Students will have the opportunity to practice skills and apply knowledge through interactive role playing in nearby wilderness environments.
Course Duration: 2 weeks only available weeks 44/45

*EMED 517 Point-of-care Ultrasound
An introduction to point-of-care, or bedside, ultrasound where students will learn the basic six diagnostic ultrasound assessments (including: trauma, cardiac, gallbladder, aorta, pelvic, and deep vein thrombosis), as well as procedural guidance (such as peripheral or central venous catheter insertion) using ultrasound. Students will achieve this through hands-on scanning with faculty and/or residents, reading of assigned materials, and journal club/conference participation.
Course will be graded as pass/fail only
Report: Contact Course Director
Course Duration: 2 weeks or 4 weeks (unavailable weeks 22-27)
Evaluation: Clinical (subjective) evaluations
# INTERDISCIPLINARY MEDICINE

<table>
<thead>
<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone #</th>
<th>Fax #</th>
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</thead>
<tbody>
<tr>
<td>IDIS 349</td>
<td>Int’l Medical Missions</td>
<td>Huda Ayas, EdD</td>
<td>Kate Kalas</td>
<td>Ross 708</td>
<td>2/994-4844</td>
<td>2/994-0074</td>
<td><a href="mailto:ksimpkin@gwu.edu">ksimpkin@gwu.edu</a> <a href="mailto:hayas@gwu.edu">hayas@gwu.edu</a></td>
</tr>
<tr>
<td>IDIS 350</td>
<td>Int’l Medical Experience in Third World Service</td>
<td>Glenn Geelhoed, MD</td>
<td>Dr. Geelhoed</td>
<td>Ross 741</td>
<td>2/994-4428</td>
<td>2/994-0926</td>
<td><a href="mailto:msgw@gwumc.edu">msgw@gwumc.edu</a></td>
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<tr>
<td>IDIS 351</td>
<td>Teaching and Learning Knowledge and Skills</td>
<td>Jim Blatt, MD</td>
<td>Karen Lewis</td>
<td>ACC 5-421</td>
<td>2/994-1071</td>
<td>2/994-0926</td>
<td><a href="mailto:kilewis@gwu.edu">kilewis@gwu.edu</a></td>
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<tr>
<td>IDIS 352</td>
<td>Int’l Medical Systems</td>
<td>Huda Ayas, EdD</td>
<td>Kate Kalas</td>
<td>Ross 708</td>
<td>2/994-4844</td>
<td>2/994-0074</td>
<td><a href="mailto:ksimpkin@gwu.edu">ksimpkin@gwu.edu</a> <a href="mailto:hayas@gwu.edu">hayas@gwu.edu</a></td>
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<tr>
<td>IDIS 353*</td>
<td>Integrative Complementary Medicine</td>
<td>John Pan, MD</td>
<td>Barbara Boston</td>
<td>908 New Hampshire</td>
<td>2/833-5055</td>
<td>2/822-5755</td>
<td><a href="mailto:jpan@mfa.gwu.edu">jpan@mfa.gwu.edu</a></td>
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<tr>
<td>IDIS 354</td>
<td>Community Health Care</td>
<td>Lisa Alexander, EdD, MPH, PA</td>
<td>Tina Le</td>
<td>GW Hosp Rm 6188</td>
<td>2/994-7669</td>
<td>2/994-2636</td>
<td><a href="mailto:lmapa@gwu.edu">lmapa@gwu.edu</a></td>
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<tr>
<td>IDIS 360</td>
<td>Health Policy Track Track Program Only</td>
<td>Malika Fair, MD</td>
<td>Steven Davis, MD</td>
<td><a href="mailto:oso@gwu.edu">oso@gwu.edu</a></td>
<td>Ross 718</td>
<td>2/994-2295</td>
<td>2/994-4740</td>
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<tr>
<td>IDIS 361</td>
<td>Emergency Management Track Program Only</td>
<td>Bruno Petinaux, MD</td>
<td>Dr. Petinaux</td>
<td>MFA</td>
<td>2/741-2948</td>
<td>2/741-2921</td>
<td><a href="mailto:bpetinaux@mfa.gwu.edu">bpetinaux@mfa.gwu.edu</a></td>
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<tr>
<td>IDIS 363</td>
<td>Research Track Program Only</td>
<td>Naomi Luban, MD</td>
<td>Jeremy Brown, MD</td>
<td><a href="mailto:oso@gwu.edu">oso@gwu.edu</a></td>
<td>Ross 718</td>
<td>2/994-2295</td>
<td>2/994-4740</td>
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<tr>
<td>IDIS 364</td>
<td>Health Policy/Advocacy</td>
<td>Eric Rosenthal, MD</td>
<td>Dr. Rosenthal</td>
<td>CNMC</td>
<td>Use email</td>
<td>Use email</td>
<td><a href="mailto:erosenth@childrensnational.org">erosenth@childrensnational.org</a></td>
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<tr>
<td>IDIS 365</td>
<td>Environmental Health Track Elective</td>
<td>Jerome A. Paulson, MD</td>
<td>Dr. Paulson</td>
<td>CNMC</td>
<td>2/471-4891</td>
<td>2/471-4891</td>
<td><a href="mailto:jpaolson@childrensnational.org">jpaolson@childrensnational.org</a></td>
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<td>IDIS 370</td>
<td>Int’l Translational Research</td>
<td>Huda Ayas, EdD</td>
<td>Kate Kalas</td>
<td>Ross 708</td>
<td>2/994-4844</td>
<td>2/994-0074</td>
<td><a href="mailto:ksimpkin@gwu.edu">ksimpkin@gwu.edu</a> <a href="mailto:hayas@gwu.edu">hayas@gwu.edu</a></td>
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*Indicates a course which may be taken for a two-week duration

**IDIS 349 INTERNATIONAL MEDICAL MISSIONS**
Introduction: The following sites are available to 3rd and 4th year medical students who have completed the required two month rotations in the following areas: internal medicine; family practice; pediatrics; OB/GYN; surgery; and psychiatry. An application will be required and students must be in excellent academic standing. Medical missions range from one to two weeks and are based upon availability.

**Operation Smile – Worldwide**
Operation Smile provides comprehensive surgical and medical treatment to children and adults with facial deformities in a variety of international sites on several continents such as: Africa, Asia and South America. Each mission is fully staffed with attending physicians, residents, medical students and other support personnel. Students will perform standard clinical duties and are expected to work closely with a designated mentor, who will evaluate the students’ progress. To check application deadlines for Operation Smile, and view upcoming missions please visit: [http://www.operationsmile.org/](http://www.operationsmile.org/). Students will report to a selected mentor for the country chosen for the mission.

**Project MEDISHARE - Thomonde, Haiti**
Project Medishare for Haiti, Inc., a 501.c3 non-profit registered in the State of Florida, was founded in 1995 by Drs. Barth Green and Arthur Fournier from the University Of Miami School Of Medicine. It is an organization dedicated to sharing its human and technical resources with its Haitian partners in the quest to achieve quality healthcare for all Haitians. GW has been sending groups of medical students, supervised by GW faculty, on medical missions to Thomonde since 2004. Medical missions to Haiti are generally planned in spring and summer for one week periods. During medical missions students will be working in rural Haiti, and will see around 200 patients a day with supervising physicians. Students will perform standard clinical duties while in Haiti and are expected to work closely with a designated mentor, who will evaluate the student’s progress. Students will report to GW faculty member supervising the Medical Mission.
Operation Heartbeat conducts surgical missions to China. The organization is currently expanding operations to Ethiopia and other developing countries. Participating in these missions provides students with a unique clinical learning opportunity in surgery. It will enrich and diversify student’s medical education in a different physical setting and allow students to provide quality patient care to the people of China. Dr. Farzad Najam, a GWUMC faculty member, and vice president of Operation Heartbeat, will coordinate student supervision for these surgical missions. Students will report to Dr. Farzad Najam, fnajam@gwu.edu.

**Course Duration:** Minimum one week
**Evaluation:** Clinical (subjective) Evaluation; Reflection paper.

*Operation Heartbeat – China & Other Developing Countries*

**IDIS 350 International Medical Experience in Third World Service**

Medical care in the Third World involves resourceful application of limited resources to often-advanced diseases, including some exotic tropical disorders affecting large numbers of very needy people. Health practices of care and prevention are experienced in supervised settings and in challenging environments. Occasional night call as appropriate, approximately every third night. Additional faculty will include John F. Williams, M.D., and others. For additional information see Web Page - http://www.gwu.edu/~int med.ed

**Report:** By arrangement with the Course Director

**Course Duration:** 4 – 12 weeks
**Evaluation Method:** Clinical (subjective) evaluations; paper; report summarizing experience; seminar performance.

**IDIS 351 TALKS - Teaching and Learning Knowledge and Skills for Senior Medical Students: Teaching Preparation for Residency and Clinical Practice.**

This senior elective will develop senior medical students’ teaching skills in clinical and educational settings in preparation for their extensive teaching roles in residency, practice, and if they so choose, a career in academic medicine. The elective will present a series of interactive workshops followed by a practicum, which provides multiple opportunities for hands-on teaching. The workshops will cover principles of adult learning theory, teaching a skill, giving effective feedback, standardized patient methodology, teaching around a case presentation and other skills essential to preparation for residency and practice. In the practicum, theory is put into action. Senior students will instruct freshman or sophomore students in physical diagnosis and serve as their standardized patient-evaluators during their fall performance based exams. Senior TALKS students will also participate as junior instructors in many other educational activities, including workshops to improve faculty teaching skills. By serving as teachers and evaluators, senior students will enhance their own clinical skills.

The course is credited as a four week elective, although required activities take place episodically during the fourth year. Several alternate dates for participation in required activities are offered. The participant is evaluated on the basis of attendance at all required activities, review of videos of performance-based examinations, and feedback from faculty and from their first and second year learners. Faculty include: Drs. Benjamin Blatt, Larrie Greenberg, and others with expertise in education. Sessions are in the evening. 4 week credit for participation in year long course

**Evaluation Method:** Clinical (subjective) evaluations; seminar performance.

**IDIS 352 International Medical Systems**

**Introduction:** The following sites are available to 3rd and 4th year medical students who have completed the required two month rotations in the following areas: internal medicine; family practice; pediatrics; OB/GYN; surgery; and psychiatry. An application will be required and students must be in excellent academic standing. Rotations range from four to eight weeks and are based upon availability.

**Course Duration:** Minimum of four weeks
**Evaluation Method:** Clinical (subjective) Evaluation; Reflection Paper

**Available Locations:**

**AFRICA**

**University of Ghana Medical School, Accra, Ghana**

The University of Ghana is one of the most prestigious universities in West Africa. It is located in Accra, the capital on the southern coast of Ghana. The University was founded in 1948 as an affiliate of University of London. It gained full university status in 1961 as a public university, and currently it has over 42,000 students. The University of Ghana Medical School (UGMS) is an accredited six-year medical program based on the British school system. Currently UGMS has 894 medical students, as well as faculty and staff that comprise of local and foreign trained doctors, many of whom hold advanced degrees from institutions in the United Kingdom, United States, France and Japan. GWUMC medical students can take electives in the following specialties while at UGMS: Medicine and Subspecialties, Paraclinical Sciences, Psychiatry, Surgery and Subspecialties, Community Health, ENT, Orthopedic Surgery, Ob/Gyn, Pediatrics, Radiology, Anesthesiology, Pathology, Laboratory medicine and Tropical Medicine. Students must perform standard clinical duties while in Ghana and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

**ASIA AND THE SOUTH PACIFIC**

**Mahatma Gandhi Medical College and Hospital (MGMCH) - Jaipur, India**

Mahatma Gandhi Medical College and Hospital is located in Jaipur, India. The school graduates around 100 students annually in its six-year medical program. The hospital, set up primarily to serve the economically disadvantaged sections of society, is a teaching hospital with 650 beds. MGMCH has electives in: general medicine and its sub-specialties including tropical medicine; general surgery and its sub-specialties; OBS/GYN; critical care medicine; dermatology; psychiatry; preventive and social medicine; ophthalmology; otolaryngology; orthopedics; neuro-surgery; pediatrics including neonatal; radiology; urology; anesthesiology and clinical pathology. Mahatma Gandhi Medical College will also provide GW students with free housing during their clinical rotation. Students must perform standard clinical duties while in India and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.
**Nippon Medical School - Tokyo, Japan**

Nippon Medical School opened in 1876 and has a long history of educating health professionals in Japan. This elective provides students with a medical and cultural experience to help foster a better understanding of the evolution and operation of Japan’s health care system. Nippon offers electives in: medicine and subspecialties; surgery and surgical specialties; emergency medicine and psychiatry. Students will be exposed to the differences in Japanese medical education, emergency medical system design, and hospital operations. Students must perform standard clinical duties while in Japan and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

**University of Kelaniya – Ragama, Sri Lanka**

Founded in 1875 as a center of learning for Buddhist monks, Kelaniya was one of two great national centers of traditional higher learning in Sri Lanka. The University of Kelaniya is one of six medical schools in Sri Lanka. The faculty began classes with the admission of 120 students in September of 1991. Students may select a variety of specialties, mainly obstetrics and gynecology; pediatrics; surgery and infectious disease. Students must perform standard clinical duties while in Sri Lanka and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

**Hue Medical College - Hue, Vietnam**

In 1957, Hue University was founded with four higher education faculties: Faculty of Teachers’ Training, Faculty of Sciences, Faculty of Letters, and Faculty of Law. The Hue College of Medicine was founded in 1975, after the reunification of Vietnam. Hue University is a multi-disciplinary and multi-field training center with 7 affiliated colleges and two faculties under the direct management of Hue University. Students may select a variety of specialties at Hue: medicine and subspecialties; general pediatrics; anesthesiology; obstetrics and gynecology; surgery and surgical subspecialties and infectious diseases. Students must perform standard clinical duties while in Vietnam and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

**Hallym University – South Korea**

Hallym University Medical Center (HMUC) started in March 1982 when Hallym University was established. The Medical School is associated with five major hospitals all of which are available to students for electives. The largest general hospital of the five is Hallym University Sacred Heart Hospital in Pyeongchon, which specializes in Neurology. This hospital can offer free housing for students (subject to availability). Hanang Sacred Heart Hospital in Seoul specializes in burn victims. Kandong Sacred Heart Hospital in Seoul specializes in head and neck surgery. Kangam Sacred Heart hospital in Seoul specializes in OB/GYN. Chuncheon Sacred Heart Hospital in Chuncheon specializes in Gastroenterology. Students who choose one of the four hospitals will have to pay for housing. In addition, Hallym can offer electives in medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; obstetrics and gynecology; surgery and surgical subspecialties; dermatology and otolaryngology.

**CARIBBEAN, LATIN AND SOUTH AMERICA**

**Sabin Vaccine Institute - Minas Gerais, Brazil**

The GW Department of Microbiology, Immunology, and Tropical Medicine (MITM) in collaboration with the Sabin institute have provided students with international research opportunities in Brazil since 2004. This elective is an opportunity for students to participate in patient-oriented research in hookworm vaccine clinical trial sites located in rural southeastern Minas Gerais State in Brazil. Students will participate in collecting blood and fecal samples from patients enrolled in hookworm vaccine studies, perform diagnostic examinations, and participate in data analysis. From this experience students will be able to gain knowledge of the importance of diseases that are not known of in their home country and gain a better understanding of tropical disease. Students are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress. Knowledge of Portuguese is helpful for this elective.

**Universidad Latina de Costa Rica - San Jose, Costa Rica**

Universidad Latina is a private university that has campuses throughout Costa Rica. The main campus is located in San Pedro, San Jose, Costa Rica. The university was founded in 1989 and offers clinical electives to students at Hospital San Rafael, Alajuela Hospital and other institutions in and around the San Jose region. Students may select a clinical specialty or basic science in the following areas: medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; ophthalmology; surgery and subspecialties and urology. Diseases that plague Costa Rica are malaria and dengue fever, so working in infectious disease is also an option for interested students. Students must also perform standard clinical duties while in Costa Rica and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

**Universidad San Francisco de Quito – Quito, Ecuador**

Founded in 1987, Universidad San Francisco de Quito (USFQ) was the first private university in Ecuador. This elective allows students to experience the Ecuadorian health care system through clinical rotations in the areas of tropical medicine and community medicine in rural primary health centers. In addition the following rotations are offered in urban hospitals: pediatrics and subspecialties; anesthesiology; emergency medicine; internal medicine; infectology; cardiology; obstetrics and gynecology and surgery. Students must also perform standard clinical duties while in Ecuador and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress. This program will be capped at 3 students per AY. Student applications will be accepted on a first come first serve basis. (Students over this 3 person cap will be charge an administrative fee by Quito of $450 a month, which will cover hospital, administrative and tutor expenditures).

**Project MEDISHARE - Thomonde, Haiti**

Project Medishare for Haiti, Inc., a 501.c3 non-profit registered in the State of Florida was founded in 1995 by Drs. Barth Green and Arthur Fournier from the University Of Miami School Of Medicine. It is an organization dedicated to sharing its human and technical resources with its Haitian partners in the quest to achieve quality healthcare for all Haitians. Students who choose this clinical rotation will gain a better understanding of infectious diseases, HIV/AIDS, tuberculosis and other related healthcare issues that continue to plague Haiti. Students will also be able to offer their expertise in the areas of patient care, training & education programs and lecturing. Students must also perform standard clinical duties while in Thomonde, Haiti, and are expected to work closely with a designated healthcare mentor, who will evaluate the student’s progress.
North Africa. Stu
docentially chosen from one of the following clinical or research opportunities: medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; obstetrics and gynecology and surgery and surgical specialties.

EUROPE

Max Kade Fellowship Program - Vienna, Austria
The American Austrian Foundation, a non-profit, non-governmental organization, seeks to enhance the relationship between the United States and Austria through providing the Max Kade Fellowship for student exchange in medicine, science, communications and the arts. Students may choose from an array of clinical specialties. Students must be able to perform standard clinical duties while in Vienna and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress. This elective is offered each year to GW students during the months of February, March and April. Information about applying will be made available in the Fall 2010. The Max Kade Foundation offers scholarships to those qualified medical students, which covers transportation to and from Austria, as well as room and board. Knowledge of German is helpful for this elective.

University of Graz - Graz, Austria
The University of Graz, founded in 1585, was one of the first universities in Central Europe. Graz is an independent university that comprises of three research centers, 20 clinics and seven institutes. High quality teaching, research and medical care at the university hospital are the three focuses of the Medical University of Graz. Students may choose from an array of specialties in: anesthesiology; accident surgery; thorax surgery; pediatric surgery; medical university clinic; radiotherapy and radio-oncology; pediatrics; ophthalmology; neurology; neurosurgery; ENT; urology; orthopaedics; dermatology and psychiatry. Psychiatry is available only for German speaking students. Students must be able to perform standard clinical duties while in Graz and are expected to work with a designated faculty mentor, who will evaluate the student’s progress.

Mission Interuniversitaire de Cooperation Des Eschanges Franco-Americains (MICEFA) - Paris, France
MICEFA is a non-profit consortium that includes 14 Universities in Paris, France, seven of which are medical schools. It was created in 1985 to promote cultural and scientific cooperation between France and North America. MICEFA's educational exchanges include students, post-doctoral students and faculty. Students may select one of the following clinical or research opportunities: medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; ophthalmology; surgery and subspecialties; urology. Research clerkships will be available in the areas of: biochemistry; molecular biology; genetics; immunology; pathology and physiology. Students will perform standard clinical duties while in Paris and are expected to work with a designated faculty mentor at their chosen institution, who will evaluate the student’s progress. Knowledge of French is necessary for this elective.

University of Malta - Valletta, Malta
Malta is a small, developed democratic Mediterranean island nation, positioned as a cultural and political stepping-stone between Europe and North Africa. Students interested in University of Malta will be assigned clinical rotations at St. Lukes General Hospital. Students may select any clinical specialty or basic science; however thalassemia, dermatology and diabetes are recommended electives for interested students. In addition Malta has the following electives: medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; obstetrics and gynecology and surgery and surgical specialties. Students must perform standard clinical duties while in Malta and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress. Contact IMP about application deadlines.

University of San Pablo Medical School - Madrid, Spain
University of San Pablo (USP) was founded 75 years ago in Madrid, Spain. USP has over 7,000 students and a faculty of 890, many of whom also hold positions in the Spanish medical, governmental, business and cultural worlds. The USP Faculty of Medicine is affiliated with Grupo Hospital de Madrid, the largest group of private hospitals in the Community of Madrid. Students can participate in clinical rotations in any of the group’s four University Hospitals, located in each of the city’s four corners. GWUMC medical students can take electives in Spanish or English in the following specialties while at USP: pediatrics and subspecialties, neurology and psychology, obstetrics and gynecology I and II, anesthesia, general surgery, digestive system surgery, thoracic and cardiovascular surgery, urology and neurosurgery. USP will assist GWUMC students in finding housing near the hospital where they are completing their clinical elective. Estimated cost for one month of housing, food and in-country transportation is $1,000. Students must perform standard clinical duties while in Spain and are expected to work closely with a designated faculty mentor, who will evaluate the student’s progress.

THE MIDDLE EAST

Alexandria University School of Medicine - Alexandria, Egypt
Established in 1942, Alexandria Medical School is one of the Middle East’s pre-eminent institutions in medical education and research. The school has nearly 1500 faculty and 10 affiliated facilities. It is the second largest university in Egypt. The school is affiliated with four hospitals, Amiry Hospital and Shatby Hospital with specializations in obstetrics and gynecology, the Pediatric Hospital and El Hadara Hospital with specializations in orthopedics and neurology. Interested students also have the opportunity to gain a better understanding of schistosomiasis, which is a major health risk in Egypt. In addition to hospital specializations listed above Alexandria can offer clinical electives in the following areas: internal medicine and sub-specialties; community medicine; tropical medicine; surgical specialties; pediatrics and obstetrics-gynecology. Medical students will work with a designated faculty mentor, who will evaluate the student’s progress.

Jordan Hospital - Amman, Jordan
Jordan Hospital provides advanced medical expertise and multispecialty care to the community in Jordan’s capital, Amman. Students will be able to select a clinical rotation in the following areas: surgery; medicine; obstetrics and gynecology; pediatrics and anesthesiology. Students must be able to perform standard clinical duties while in Amman and are expected to work with a designated faculty mentor, who will evaluate the student’s progress.
American University of Beirut (AUB) - Beirut, Lebanon

The American University of Beirut (AUB) was founded in 1866 as a private, independent, non-sectarian institution of higher learning. AUB has grown from 16 students in a rented house to a major university with over 7,400 students located on a 73-acre campus overlooking the Mediterranean Sea. AUB Medical Center is a 420-bed complex and provides all medical, surgical, pediatrics, obstetrics/gynecological and psychiatric services to the surrounding community. Students may choose from a variety of specialties that are offered at AUB such as: internal medicine and subspecialties; pediatrics and subspecialties; OB/GYN; surgery and subspecialties; family medicine; dermatology; anesthesiology as well as research in basic medical sciences. Students must be able to perform standard clinical duties while in Beirut and are expected to work with a designated faculty mentor, who will evaluate the student's progress.

Hammoud Hospital University Medical Center (HHUMC) - Saida, Lebanon

HHUMC began in 1966 as a 20 bed facility which was primarily a small surgery and maternity hospital. Today HHUMC has acquired more advanced medical technologies and expanded and diversified its medical departments to include cardiovascular and thoracic surgery departments. The first cardiac transplant operation in the Middle East was performed at Hammoud Hospital in 1999. HHUMC offers electives in medicine and subspecialties; pediatrics; anesthesiology; emergency medicine; obstetrics and gynecology; and surgery and surgical specialties (including cardiovascular and transplant). Students must be able to perform standard clinical duties while in Saida and are expected to work with a designated faculty mentor, who will evaluate the student's progress. HHUMC offers complimentary lodging for visiting medical students.

TRAD Hospital - Beirut, Lebanon

The Trad Maternity Hospital, as it was originally known, was founded in 1940 by the late Dr. Fouad Trad. Under the helm of Dr. Trad, who was one of the first Obstetrician/Gynecologists in Beirut, the institution quickly gained notoriety locally as well as regionally. This elective allows students to experience the Lebanese healthcare system through clinical rotations at TRAD Hospital, a small private hospital in Beirut. Students may select a clinical rotation from an array of specialties; however, the most notable health issue in Lebanon is the rapid growth of breast cancer patients in Lebanon. Students must be able to perform standard clinical duties while in Beirut and are expected to work with a designated faculty mentor, who will evaluate the student's progress.

University of Balamand – Beirut, Lebanon

This elective provides clinical rotations at St. George University Medical Center. One of the oldest and most prestigious medical centers in Lebanon, St. George Medical Center, located in Beirut, opened in 1878 as a non-profit community hospital. Now in affiliation with the University of Balamand, students can do a variety of electives at this medical center that provides both inpatient and out-patient services to the community. Balamand offers electives in: medicine and subspecialties; pediatrics and subspecialties; family practice; anesthesiology; emergency medicine; clinical neuroscience; obstetrics and gynecology; surgery and surgical specialties. St. George University Medical Center also has a community health clinic for interested students. Students must be able to perform standard clinical duties while in Beirut and are expected to work with a designated faculty mentor, who will evaluate the student's progress.

Sackler School of Medicine, Tel Aviv University - Israel

The Sackler Faculty of Medicine is one of Israel's leading health-care resources. It combines a cadre of 1,600 physicians and scientists, and a physical plant centered at Tel Aviv University that reaches out to encompass the central region of the country, serving 40 percent of the population of Israel. This elective allows students to take electives in anesthesiology; dermatology; internal medicine and its subspecialties; neurology; neurosurgery; OB/GYN; ophthalmology; orthopedic surgery; pediatrics; psychiatry; radiology; general surgery and urology. Students must be able to perform standard clinical duties at Sackler and are expected to work with a designated faculty mentor, who will evaluate the student's progress.

Al-Quds University - Jerusalem

Al - Quds University, also known as Jerusalem University, is located in the city of Jerusalem. The School of Medicine, associated with the city's Al-Makassed Hospital, is the first Palestinian Medical School. For security reasons students would only work in Al-Quds's Jerusalem based hospitals, and would not be placed in clinical settings in the surrounding towns or cities. Electives are available in the internal medicine (general medicine, rheumatology, cardiology and endocrinology); pediatrics and surgery (general and vascular surgery). Students must be able to perform standard clinical duties at Al-Quds and are expected to work with a designated faculty mentor, who will evaluate the student's progress.

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**MSIV International Clinical Elective Policies**

- All fourth year medical students participating in International Clinical Electives, regardless of whether they are in the Global Health Track or not, must register for IDIS 352 and apply through the International Medicine Programs (IMP) office. IDIS 352 must be at least four weeks in duration in order to obtain credit.

- All students participating in a one to two week medical mission for elective credit must register for IDIS 349 and apply through the IMP office.

- Students' grades for IDIS 349 and 352 will be issued by Dr. Ayas. The grade will be a combination of the student's elective evaluation (completed by in-country mentor) and the student's reflection paper completed after the elective (to be assessed by Dr. Ayas). All students will hand in elective evaluations and reflection papers to the IMP office. Copies of documents will be submitted to the Dean's office along with student's final grade, whereby student's grades can be entered.

- Students who go abroad without properly registering for IDIS 349 or 352, or without first receiving approval from the IMP office will not receive credit for their elective.

- MSIV scholarship: Students receiving the Lynn and Ruth George Scholarship May 6th, 2011 will not have their money released to them until IMP informs the Office of Student Opportunities (OSO) that the student’s site was approved by IMP and that they were officially accepted by the site. If a student who receives a scholarship changes their site, they must resubmit their scholarship application to the OSO with new site information prior to leaving for the elective. If a student goes to a different site than specified on their funding application, without notifying the OSO prior to leaving, the student will be responsible for returning funding to the OSO.
Guidelines for MSIV Clinical Elective Reflection Papers
for IDIS 349 and 352

All Reflection Papers must adhere to the following guidelines:

- 2-4 page paper (recommended length)
- 12 font and double spaced
- JAMA or APA format if applicable

- **Part I should include Logistics:**
  - Problems with housing, food, transportation?
  - Was language a barrier to your educational learning?
  - Travel advice for someone else going
  - Anything you wish has been provided for you logistically that was not.

- **Part II should focus on your academic experience:**
  - What did you learn?
  - Did the elective align with your initial goals and objectives
  - Comparison between US and country visited
  - What else do you wish you had learned more about?
  - Results and implications (if applicable)
  - Recommendations for future study or further expansion on the experience

- **Part III will be any additional information you would like to add**

In order to receive credit from the Dean’s office for your IDIS 349 or 352 clinical electives, this paper, along with your signed evaluation form must be returned in the IMP Office, Ross Hall 708. **Papers must be turned in one month after return from international elective.**

*IDIS353 Integrative Complementary Alternative Medicine*

Students will learn the definition, the philosophy and the practice principles of integrative medicine. The application of these principles will be demonstrated with a wide variety of patients who bring with them complex medical conditions. These diagnostic and management plans may include laboratory testing and treatment modalities not used in conventional medicine but are always based on good science and or longstanding traditions of practice. The students are encouraged to develop critical thinking, challenge what is being taught and incorporate what is appropriate for each individual student.

The Center is staffed with experts and experienced practitioners in their own fields and are eager to share their knowledge with interested students. Students will often have a first hand experience in some of the treatment modalities, e.g. Reiki, when there is such an opportunity. At the least, students will observe CAM (Complementary and Alternative Medicine) practices, such as, naturopathic medicine, acupuncture, herbal and homeopathic medicine, manual manipulation-chiropractic, hypnotherapy, and nutritional counseling. They will also observe how the members of the Center staff work together as an integrative team in the care of their patients.

There are weekly staff meetings where there are guest lecturers, presentations by CIM staff, case reviews and journal reviews. Students will have weekly meetings with Dr. Kogan to review current journal articles. Students are also encouraged to write a short paper on a topic of their choice in integrative medicine. Interested students are strongly urged to visit the Center website, www.IntegrativeMedicineDC.com, to learn more about the Center, its staff and its programs.

Duration: 2 weeks

*IDIS354 Community Health Care*

Outpatient student run clinic experience at Bread for the City medical clinic. Bread for the City provides primary medical care to uninsured and low income children and adults at no charge. Students will be required to attend a minimum of twelve Tuesday evening sessions during the course of the year. In addition students will be expected to serve on a committee and/or review and update evaluation data, curriculum, training manuals or other special projects deemed necessary by the student steering committee.

**Community Health Track students are given registration priority.**

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation; Special Project

*IDIS360 Health Policy Track*

For Track Students Only. See Track Requirements
Track students will be required to perform emergency management activities during their elective which may span mitigation, preparation (including planning, exercising, educating, and evaluating), response, and recovery efforts. Dr. Bruno Petinaux will work with each student to facilitate the experience.

**2 Week IDIS EM 361:** (This elective can be done asynchronously)
- Present to EMED 302 students during your emergency medicine rotation a 2 hour lecture on emergency management – to be precepted by Dr. Petinaux and/or EMS/Disaster Fellow
- Attend four GWUH Emergency Management Committee Meetings during your fourth year of medical school (takes place @ 1 pm on the fourth Monday of every month within the Administration Board Room on the ground floor) (students are expected to attend 4 out of 12 meetings)
- Provide proof of your completion of the ICS courses by the start of your Capstone course during your fourth year (information available on Blackboard)
- Participate in quarterly track meetings for two hours (journal club etc.) (students are expected to attend 3 out of 4 meetings – each quarterly meeting will be held twice for scheduling purposes)
- Write a 10 page referenced Emergency Management Topic Paper

**4 Week IDIS EM 361 Course:** (This elective can NOT be done asynchronously)
- Present to EMED 302 students during your emergency medicine rotation a 2 hour lecture on emergency management – to be precepted by Dr. Petinaux and/or EMS/Disaster Fellow
- Attend four GWUH Emergency Management Committee Meetings during your fourth year of medical school (takes place @ 1 pm on the fourth Monday of every month within the Administration Board Room on the ground floor) (students are expected to attend 4 out of 12 meetings)
- Provide proof of your completion of the ICS courses by the start of your Capstone course during your fourth year (information available on Blackboard)
- Participate in quarterly track meetings for two hours (journal club etc.) (students are expected to attend 3 out of 4 meetings – each quarterly meeting will be held twice for scheduling purposes)
- Take a 4 week elective at an organization or work on a project in emergency management
- Write a 2 page paper on your elective experience
- Evaluation Method: Subjective evaluation; Special project

**IDIS364 Health Policy/Advocacy**
Each student will undertake a health policy project that will simulate the way a physician would advocate in the public policy arena. Working with the course director or another faculty member, the student will identify a health issue, propose a solution for the issue, determine how to enact the solution and take steps to advance the solution in the public policy arena. The student will use population, epidemiological and other data to describe the issue and evidence-based information to craft the solution. In addition, the student will attend health-related legislative hearings and meetings with government officials and relevant organizations.
**Prerequisite:** Permission of the course director
**Course:** Health Policy/Advocacy
**Duration:** 2 or 4 weeks
**Dates:** Offered throughout the year for either a two-week or four-week block. Check with the course director before scheduling.
**Course Director:** Eric Rosenthal, MD, MPH
Medical Director, Municipal and Regional Affairs
Child Health Advocacy Institute
Children's National Medical Center

**IDIS365 Environmental Health Track Elective**
**Duration:** 4 weeks

*IDIS370 International Translational Research*
In coordination with the Office of International Medicine Programs at GWU, the University of San Pablo offers 4- to 8-week Translational Research Elective rotations to senior medical students in key specialty fields and medical disciplines at the Institute of Applied Molecular Medicine (IMMA), a translational research facility devoted to human subjects research at the University of San Pablo-CEU and the Hospital of Madrid Scientific Foundation in Madrid (Spain). Please see listing of international rotation sites below for more on University of San Pablo.

Each rotation provides students with the opportunity to have direct experience in the study of patients enrolled in investigational protocols for diagnostic and therapeutic innovation with the help of experimental bioassays and biotechnologic product developments under the co-mentorship of clinical and preclinical medicine scientists and faculty. Participants learn fundamental principles of translational research within a two-sided research track, from bedside to bench and thereafter from bench to bedside.

Please contact Office of International Medicine Programs for detailed course syllabus and application procedure.

**Course Duration:** 4 weeks or 8 weeks
**Evaluation Method:** Clinical Evaluation; Reflection Paper or other Academic Project
<table>
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<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone #</th>
<th>Fax #</th>
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<tr>
<td>MED 301</td>
<td>3rd yr Clerkship in Primary Care</td>
<td>Robert Jablonover, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td>741-2185</td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 305</td>
<td>3rd yr Clerkship in Medicine</td>
<td>Sian Spurney, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td>741-2185</td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 326</td>
<td>Andrology (Endocrinology) Research</td>
<td>Michael Irwig, MD</td>
<td>Dr. Irwig</td>
<td>ACC 4-402</td>
<td>741-2489</td>
<td>741-2490</td>
<td><a href="mailto:mirwig@mfa.gwu.edu">mirwig@mfa.gwu.edu</a></td>
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<tr>
<td>MED 332</td>
<td>Acting Internship – GW Hospital</td>
<td>Farida Millwala, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td>741-2185</td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 333</td>
<td>Acting Internship – Inova Fairfax Hospital</td>
<td>Gregory Trimble, MD</td>
<td>Amy Unger</td>
<td>Inova Fairfax Hospital</td>
<td>7776-3249</td>
<td>7776-3020</td>
<td><a href="mailto:gregory.trimble@inova.org">gregory.trimble@inova.org</a></td>
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<tr>
<td>MED 334</td>
<td>Acting Internship – Veteran’s Med Center</td>
<td>Dragica Mrkoci, MD</td>
<td>Roland DeLeon</td>
<td>VA Med Center</td>
<td>745-8471</td>
<td>745-8184</td>
<td><a href="mailto:Roland.deleon@med.va.gov">Roland.deleon@med.va.gov</a></td>
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<tr>
<td>MED 336</td>
<td>Medical Intensive Care</td>
<td>Burton Lee, MD</td>
<td>Gaitri Tiwari</td>
<td>WHC</td>
<td>877-7856</td>
<td>291-0386</td>
<td><a href="mailto:gaitri.tiwari@medstar.net">gaitri.tiwari@medstar.net</a></td>
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<tr>
<td>MED 338*</td>
<td>Occupational and Environmental Medicine</td>
<td>Samuel Scott, MD</td>
<td>Dr. Scott</td>
<td>1140 19th Street, NW, Suite 700</td>
<td>463-6698</td>
<td>223-6525</td>
<td><a href="mailto:sscott@woha.com">sscott@woha.com</a></td>
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<tr>
<td>MED 340*</td>
<td>Electrocardiography</td>
<td>Marco Mercader, MD</td>
<td>Monica Jenkins</td>
<td>ACC 4-414</td>
<td>741-2323</td>
<td>741-2324</td>
<td><a href="mailto:mmercader@mfa.gwu.edu">mmercader@mfa.gwu.edu</a></td>
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<tr>
<td>MED 341</td>
<td>Primary Care and Health Services Research</td>
<td>Robert Jablonover, MD</td>
<td>Dana Brent</td>
<td>ACC 2-114</td>
<td>741-2187</td>
<td>741-2185</td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 342*</td>
<td>Geriatric/Palliative Medicine</td>
<td>Elizabeth Cobbs, MD</td>
<td>Dr. Cobbs</td>
<td>ACC 2-105</td>
<td>741-2191</td>
<td>741-2791</td>
<td><a href="mailto:ecobbs@mfa.gwu.edu">ecobbs@mfa.gwu.edu</a></td>
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<tr>
<td>MED 343</td>
<td>Advanced Clinical Experience in Primary Care</td>
<td>Robert Jablonover, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td>741-2185</td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 344</td>
<td>Supervised Ambulatory Experience</td>
<td>Robert Jablonover, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
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<tr>
<td>MED 350*</td>
<td>Infectious Diseases</td>
<td>Debra Benator, MD</td>
<td>Jackie Jennings</td>
<td>VA Med Ctr 2CS/ID</td>
<td>745-8301</td>
<td>745-8432</td>
<td><a href="mailto:Jackie.jennings@med.va.gov">Jackie.jennings@med.va.gov</a></td>
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<tr>
<td>MED 351</td>
<td>Infectious Diseases</td>
<td>Alisson Roberts, MD</td>
<td>Dr. Roberts</td>
<td>ACC 5-411</td>
<td>741-2234</td>
<td>741-2241</td>
<td><a href="mailto:aroberts@mfa.gwu.edu">aroberts@mfa.gwu.edu</a></td>
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<td>MED 352</td>
<td>Clinical Cardiology</td>
<td>Marco Mercader, MD</td>
<td>Monica Jenkins</td>
<td>ACC 4-414</td>
<td>741-2323</td>
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<td>MED 358</td>
<td>Clinical Cardiology</td>
<td>Julio Panza, MD</td>
<td>Gaitri Tiwari</td>
<td>WHC</td>
<td>877-8278</td>
<td>877-2247</td>
<td><a href="mailto:julio.a.panza@medstar.net">julio.a.panza@medstar.net</a></td>
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<tr>
<td>MED 360</td>
<td>Clinical Cardiology</td>
<td>Steven Singh, MD Pamela Karasik, MD</td>
<td>Roland DeLeon</td>
<td>VA Med Center</td>
<td>745-8471</td>
<td>745-8545</td>
<td><a href="mailto:Roland.deleon@med.va.gov">Roland.deleon@med.va.gov</a></td>
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<tr>
<td>MED 363</td>
<td>Intensive/Coronary Care</td>
<td>Rahul Khosia, MD Nilin Seam, MD</td>
<td>Roland DeLeon</td>
<td>VA Med Center</td>
<td>745-8657</td>
<td>n/a</td>
<td><a href="mailto:Roland.deleon@med.va.gov">Roland.deleon@med.va.gov</a></td>
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<tr>
<td>MED 364</td>
<td>Intensive Care</td>
<td>Greg Trimble, MD</td>
<td>Amy Unger</td>
<td>Ffxx Hospital</td>
<td>7776-3249</td>
<td>698-3020</td>
<td><a href="mailto:amy.unger@inova.com">amy.unger@inova.com</a></td>
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<td>MED 365</td>
<td>Coronary Care</td>
<td>Greg Trimble, MD</td>
<td>Amy Unger</td>
<td>Ffxx Hospital</td>
<td>7776-3249</td>
<td>698-3020</td>
<td><a href="mailto:amy.unger@inova.com">amy.unger@inova.com</a></td>
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<tr>
<td>MED 372*</td>
<td>Endocrinology/Diabetes</td>
<td>Joshua Cohen, MD</td>
<td>Dr. Cohen</td>
<td>ACC 3-416</td>
<td>741-2489</td>
<td>741-2490</td>
<td><a href="mailto:jcohen@mfa.gwu.edu">jcohen@mfa.gwu.edu</a></td>
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<tr>
<td>MED 373</td>
<td>Endocrinology/Metabolism</td>
<td>Kenneth Becker, MD Eric Nylen, MD</td>
<td>Roland DeLeon</td>
<td>VA Med Center</td>
<td>745-8300</td>
<td>n/a</td>
<td><a href="mailto:Roland.deleon@med.va.gov">Roland.deleon@med.va.gov</a></td>
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<tr>
<td>MED 374*</td>
<td>Podiatry/Diabetes Care</td>
<td>Michael Stempel, DPM</td>
<td>Dr. Stempel</td>
<td>ACC 3-416</td>
<td>741-2489</td>
<td>741-2490</td>
<td><a href="mailto:mstempel@mfa.gwu.edu">mstempel@mfa.gwu.edu</a></td>
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<tr>
<td>MED 380*</td>
<td>Dermatology Clinic (By Reservation Only)</td>
<td>Karla Gayer, MD</td>
<td>Dr. Gayer</td>
<td>ACC 2nd fl</td>
<td>741-2618</td>
<td>741-2622</td>
<td><a href="mailto:kgayer@mfa.gwu.edu">kgayer@mfa.gwu.edu</a></td>
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<tr>
<td>MED 390-395</td>
<td>Extramural Internal Medicine Elective</td>
<td>Sian Spurney, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td><a href="mailto:spurney@mfa.gwu.edu">spurney@mfa.gwu.edu</a></td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 403</td>
<td>Cancer/Primary Care</td>
<td>Steven Krasnow, MD, Anthony Arconas, MD</td>
<td>VA Med Center</td>
<td>745-8175 745-4058</td>
<td>745-8131</td>
<td><a href="mailto:steven.krasnow@med.va.gov">steven.krasnow@med.va.gov</a></td>
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<tr>
<td>MED 405</td>
<td>Medical Oncology</td>
<td>Dennis Priebat, MD, Violet Jamison</td>
<td>WHC</td>
<td>877-2505</td>
<td>877-8909</td>
<td><a href="mailto:dennis.a.priebet@medstar.net">dennis.a.priebet@medstar.net</a></td>
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<tr>
<td>MED 412</td>
<td>Clinical/Research Gastroenterology/Hepatology</td>
<td>Marie Borum, MD, Elizabeth Nembhard</td>
<td>ACC 3-408</td>
<td>741-2160</td>
<td>n/a</td>
<td><a href="mailto:mborum@mfa.gwu.edu">mborum@mfa.gwu.edu</a></td>
<td><a href="mailto:enembhard@mfa.gwu.edu">enembhard@mfa.gwu.edu</a></td>
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<tr>
<td>MED 413</td>
<td>Gastroenterology/Hepatology</td>
<td>Marie Borum, MD, Elizabeth Nembhard</td>
<td>ACC 3-408</td>
<td>741-2160</td>
<td>n/a</td>
<td><a href="mailto:mborum@mfa.gwu.edu">mborum@mfa.gwu.edu</a></td>
<td><a href="mailto:enembhard@mfa.gwu.edu">enembhard@mfa.gwu.edu</a></td>
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<tr>
<td>MED 414</td>
<td>Gastro/Hepa/Nutrition</td>
<td>Timothy Lipman, MD</td>
<td>VA Med Center</td>
<td>745-8000 x6266</td>
<td>745-8453</td>
<td><a href="mailto:timothy.lipman@va.gov">timothy.lipman@va.gov</a></td>
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<tr>
<td>MED 415</td>
<td>Clinical Gastroenterology</td>
<td>Michael Gold, MD, Gaitri Tiwari</td>
<td>WHC</td>
<td>877-2848</td>
<td>877-8163</td>
<td><a href="mailto:michael.gold@medstar.net">michael.gold@medstar.net</a></td>
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<tr>
<td>MED 430*</td>
<td>Clinical Hematology</td>
<td>Geraldine Schechter, MD, Rachel Henrixon</td>
<td>ACC 1-100</td>
<td>741-2478</td>
<td>741-2487</td>
<td><a href="mailto:rsiegel@mfa.gwu.edu">rsiegel@mfa.gwu.edu</a></td>
<td><a href="mailto:ahu@mfa.gwu.edu">ahu@mfa.gwu.edu</a></td>
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<tr>
<td>MED 431</td>
<td>Hematology/Oncology</td>
<td>Robert Siegel, MD, Rachel Henrixon</td>
<td>ACC 1-100</td>
<td>741-2478</td>
<td>741-2487</td>
<td><a href="mailto:rsiegel@mfa.gwu.edu">rsiegel@mfa.gwu.edu</a></td>
<td><a href="mailto:ahu@mfa.gwu.edu">ahu@mfa.gwu.edu</a></td>
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<tr>
<td>MED 442</td>
<td>Pulmonary Diseases</td>
<td>Burton Lee, MD, Gaitri Tiwari</td>
<td>WHC</td>
<td>877-8278 877-7856</td>
<td>291-0386</td>
<td><a href="mailto:gaitri.tiwari@medstar.net">gaitri.tiwari@medstar.net</a></td>
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<tr>
<td>MED 447*</td>
<td>Pulmonary Medicine</td>
<td>Morgan Delaney, MD</td>
<td>ACC 5-426</td>
<td>741-2316</td>
<td>741-2238</td>
<td><a href="mailto:mdelaney@mfa.gwu.edu">mdelaney@mfa.gwu.edu</a></td>
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<tr>
<td>MED 451</td>
<td>Musculoskeletal and Connective Tissue Diseases</td>
<td>Rodolpho Curiel, MD</td>
<td>ACC 3-416</td>
<td>741-2488</td>
<td>741-2490</td>
<td><a href="mailto:rcuiel@mfa.gwu.edu">rcuiel@mfa.gwu.edu</a></td>
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<tr>
<td>MED 459*</td>
<td>Clinical Nephrology</td>
<td>Steven Burka, MD</td>
<td>5520 Wisc</td>
<td>3/654-3803</td>
<td>654-3808</td>
<td><a href="mailto:stevenburkamrd@gmail.com">stevenburkamrd@gmail.com</a></td>
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<tr>
<td>MED 461</td>
<td>Clinical Renal Disease</td>
<td>Kevin Sterling, MD</td>
<td>Dana Brent</td>
<td>ACC 2-105</td>
<td>741-2187</td>
<td><a href="mailto:ksterling@mfa.gwu.edu">ksterling@mfa.gwu.edu</a></td>
<td><a href="mailto:dbrent@mfa.gwu.edu">dbrent@mfa.gwu.edu</a></td>
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<tr>
<td>MED 472*</td>
<td>Office Practice of Allergy</td>
<td>Nirupma Rohatgi, MD</td>
<td>9015 Shady Grove</td>
<td>301-963-0196</td>
<td>n/a</td>
<td><a href="mailto:drrohatgi@gmail.com">drrohatgi@gmail.com</a></td>
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<tr>
<td>MED 520*</td>
<td>Palliative and Hospice Care</td>
<td>Christina Puchalski, MD</td>
<td>2131 K St NW, Ste 510</td>
<td>496-6409</td>
<td>496-6413</td>
<td><a href="mailto:cpuchalski@gwu.edu">cpuchalski@gwu.edu</a></td>
<td><a href="mailto:cpuchalski@gwu.edu">cpuchalski@gwu.edu</a></td>
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<td>MED 521</td>
<td>Clinical Ethics</td>
<td>Katalin Roth, MD</td>
<td>ACC 2-105</td>
<td>741-2206</td>
<td>n/a</td>
<td><a href="mailto:kroth@mfa.gwu.edu">kroth@mfa.gwu.edu</a></td>
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</tr>
<tr>
<td>MED 522*</td>
<td>Narratives in and of Medicine</td>
<td>Linda Raphael, MD</td>
<td>2901 29Th St</td>
<td>387-1512 994-1034</td>
<td>n/a</td>
<td><a href="mailto:lraphael@gwu.edu">lraphael@gwu.edu</a></td>
<td><a href="mailto:lraphael@gwu.edu">lraphael@gwu.edu</a></td>
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*Indicates a course which may be taken for a two-week duration
> Indicates a course which must be reserved by arrangement with the Course Director

**MED 332 Acting Internship in Medicine at GWU Hospital**

The acting internship in Medicine provides a structured clinical experience in the broad field of internal medicine and those specialty areas necessary for the care of the medical patient. It is designed to be a well-supervised educational experience that will serve to improve and build upon those cognitive and technical clinical skills already attained during the third year medicine clerkship. Through the acting internship, the student will have the proper environment in which to learn the clinical skills and attitudes essential to the practice of internal medicine and the delivery of the highest quality patient care. The acting intern will fulfill clinical and academic responsibilities as an integral team member of an inpatient medical service.

Students will be assigned to an inpatient ward team. They will be responsible for completing an initial patient evaluation and diagnostic and therapeutic plans, for writing all medical orders (which must be countersigned by an MD), for coordinating the patient’s care, writing progress notes and dictating the discharge summary. There is NO OVERNIGHT CALL. They will be permitted to have four (4) weekend days as holidays which will correspond to the days their team is off. They will be supervised by the team resident who will conduct the work rounds and will be supervised by the attending physicians who will conduct the teaching rounds. In addition to the conferences scheduled for the interns,
such as intern report, grand rounds, etc. dedicated 2 hour didactic sessions will be conducted every week with special emphasis on central line placement, ultrasound guided IV placement, clinical pathology and advanced interpretation of radiographs and EKG’s.

After initial computer match and meeting with the Dean, the Department of Medicine will review the registration for this course. They have the prerogative to move students into and out of it. Because the acting intern actually replaces a house officer on this rotation, once the initial schedule is set (in the meeting with the Dean) no changes will be allowed. Special requests must be made two months in advance. Each student must register for at least four (4) consecutive weeks. Absences for interviewing, etc. will be permitted only under unusual circumstances and must be approved at least 2 weeks prior to the start of the rotation.

Note: If a student has a special interest in hematology/oncology or pulmonary medicine, a special request can be made 2 weeks earlier so that they can be assigned to wards teams pertaining to those specialties.

Site: The George Washington University Hospital
900 23rd street, NW, Washington DC 20037
Report: Course coordinator will contact registered students.
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation on EValue.

MED 333 Acting Internship in Medicine at INOVA Fairfax Hospital
Fulfills AI Requirement
The Acting Internship on the GIM Service at Inova Fairfax Hospital provides an excellent opportunity for the student to assume a high level of responsibility for patient care. Each Acting Intern will develop a strong working relationship with a junior or senior resident, as well as, a designated teaching attending. This Acting Internship provides an opportunity to work with many different sub-specialties within the field of Internal Medicine. While at Inova Fairfax Hospital the student will attend conferences and rounds with the interns and residents. These include conferences in ID, GI, hematology, oncology, nephrology, cardiology, endocrinology, and rheumatology. There are additional interactive conferences in EKG, hematology slide reviews, cardiac auscultation, and physical diagnosis rounds. There is a separate daily morning report for the Acting Interns to focus teaching toward them. The experience is virtually the same as a regular intern carrying a normal load averaging 5 to 10 patients. The Acting Intern is an integral part of the medicine team at Inova Fairfax Hospital, thus you can expect to be on call every fourth day which includes overnight, and some weekend days. The Acting Internship is especially focused for those who wish to pursue a career in Internal medicine, a subspecialty of Internal medicine, or those who are getting ready for a transitional or preliminary year in Medicine. Absences for interviewing, etc. will be permitted only under unusual circumstances and must be approved prior to the start of the rotation.
Contact: Jennifer Ettridge, Student Services Coordinator
Report: Students will be notified by email.
Course Duration: 4 weeks
Evaluation methods: Clinical (subjective) evaluation.

MED 334 Sub-Internship in Medicine at the Veteran's Affairs Medical Center
Fulfills AI Requirement
Students assigned to a patient care team under direct supervision of a University resident on general medical wards. Problem-oriented Medical Record System used. Students complete initial patient evaluation database and are responsible for clinical management during hospitalization. They write all orders, which must be reviewed and co-signed by the resident, and are expected to present their patients at attending rounds and conferences. Close supervision and guidance by the team resident, attending physician, and subspecialty consultants. After initial computer match and meeting with the Dean, the Department of Medicine will review the registration for the course. They have the prerogative to move students into and out of it. After initial registration, any contemplated changes must be approved by the Department of Medicine. There will be night call every fifth night. Absences for interviewing, etc. will be permitted only under unusual circumstances and must be approved prior to the start of the rotation.
Report: VA Med Center, Medical Services Office, Rm 4A155; 8:00am – Please contact the Coordinator for any other first day information.
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation on e-value.

MED 336 Medical Intensive Care
The ICU physician team is composed of 4 interns, 5 residents, two critical care fellows, two attendings, and up to 4 medical students. The medical student is an integral part of this team and functions as a sub-intern. Students learn through direct patient care, formal and informal rounds, assigned reading materials, daily lectures, and fellow-run tutorials. Each student will be given an ICU Manual which will contain the curriculum and the reading assignment for the rotation. The lectures compliment the reading material. The call schedule is every fourth night (inhouse). Additional faculty includes: Sanjay Desai, MD, Peter Levit, MD, Gene Colice MD, Chee Chan, MD and Andrew Shorr, MD.
Alternate Contact for Course Information: Gaitri Tiwari gaitri.tiwari@medstar.net 202-877-7856.
Report: Must reserve and confirm through the coordinator at WHC.
Course Duration: 4 weeks (Full four week attendance expected 4-6 days off). ($5.00 deposit-free parking)
Evaluation method: Clinical (subjective) evaluation, written examination

MED 338* Occupational and Environmental Medicine
Fulfills AI Requirement
Students are assigned to Washington Occupational Health Associates where the effects of various occupational and environmental health hazards are addressed. Participation in clinical intervention is provided under direct physicians’ supervision. Emphasis on the relationship of occupational and environmental medicine to the practice of primary care. Travel opportunity to distant field sites is generally available.
Report: 1140 19th Street, NW, suite 700 Washington, DC 20036 9:00am (Pay parking available)
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation.

MED 340 Preceptorship in Electrocardiography
Offered weeks 14/15, 28/29, 32/33 and 42/43 only
Independent reading of EKG’s with supervision, discussion and review of relevant electrophysiologic topics. Additional faculty: Allan Solomon, MD and Cynthia Tracy, MD.
Report: ACC – 4-417 Cardiology Conference Room 3:00pm – Contact Monica Jenkins 741-2323 for further information
Course Duration: 2 weeks Evaluation Method: Clinical (subjective) evaluation, written examination
**MED 341 Primary Care and Health Services Research**
Research in the primary care and health services field. Participation in project relating to health care delivery, including medical audit, study of organization of health service and problems of underserved populations or other subject to be determined. Student will arrange their own research experiences as approved by the Course Director, though the Department of Medicine can assist in this process. Faculty will act as advisors for the project. All non-GW faculty advisors must be approved by the Course Director. Exchange with similar program in other institutions is possible.

**Report:** Contact Course Director

**Course Duration:** 4-8 weeks

**Evaluation method:** Paper Clinical (subjective) evaluation, other

**MED 342 Geriatric Medicine/Palliative Medicine**
Clinical and/or research experience in the practice of geriatric medicine in a range of settings, including hospital, skilled and intermediate long term care facilities, congregate housing arrangements, outpatient practice, hospice and home visits. Flexible experience depending on the interest and background of the learner. Also opportunities to visit senior centers and day care facilities and work with case management team.

Additional faculty: Dr. Karen Blackstone, Dr. Robert Jayes, Dr. Robert Kaiser, Dr. Nadia Marsh, Dr. Sonika Pandey, and Dr. Katalin Roth.

**Report:** Meet Dr. Cobbs at the Geriatric Medicine Clinic – VA Med Ctr – 8:30 am

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) evaluation; oral presentation on topic of interest.

**MED 343/344 Advanced Clinical Experience in Primary Care/Supervised Ambulatory Experience**
1. An opportunity for students who anticipate careers in primary care to further their clinical experience at an ambulatory care clinic serving pediatric, adult and geriatric patients. 2. A supervised experience within the Department of Medicine offered to fourth year students by arrangement between the Department of Medicine and the Dean’s Office. This experience will often be used to strengthen areas of perceived weakness.

**Report:** Contact Course Coordinator Dana Brent – dbrent@mfa.gwu.edu or 202 741-2187

**Course Duration:** 2-6 weeks

**MED 350 Infectious Diseases**
This course will teach the student a logical approach to the diagnosis and management of a patient suspected of having an infectious disease. Students will participate on the Clinical Consult Service where they will encounter patients with a broad range of bacterial, viral, fungal and mycobacterial infections. Students will join residents and fellows in daily attending rounds, case conferences and student oriented teaching sessions. The clinical application of laboratory techniques used in the diagnosis and management of infectious diseases will be stressed through teaching sessions in the microbiology laboratory. Particular emphasis is placed on understanding and using the many new classes of antibiotics. Additional faculty includes: Drs. Cynthia Gibert, David Ross, Leonard Sacks, Steve Gitterman, Fred Gordin, Virginia Kan Kendall Marcus and Ann Labriola.

**Report:** VA Medical Center, Medical Service Office 4A-155 ($Parking available)

**Course Duration:** 2 or 4 weeks

**Evaluation Method:** Clinical (subjective) evaluation, oral presentations, case presentations.

**MED 351 Infectious Diseases**
The focus of the elective experience is on the diagnosis and management of patients with infectious disease problems. This includes the evaluation of patients on medical and surgical services. Clinically relevant aspects of microbiology and immunology are also explored. Academic activities include a joint case conference with the Washington VA Medical Center, which is held twice during the month. Other conferences include surgical pathology, clinical microbiology and the monthly Washington ID Society conference. Basic lectures by the fellows and faculty on major infectious disease problems, clinical microbiology and antimicrobial chemotherapy. Additional faculty include: Drs. Gary Simon, David Parenti, Carmelita Tuazon, and Dr. Marc Siegel.

**Report:** ACC 5-411; 8:30 am

**Course Duration:** 4 weeks

**Evaluation Method:** Clinical (subjective) evaluation; Seminar participation.

**MED 352 Clinical Cardiology**
General cardiology elective with two weeks on cardiology services and 2 weeks on coronary care team. Exposure to outpatient clinic, pacemakers, invasive and non-invasive laboratories. Additional faculty: Richard Katz, MD, Alan Solomon, MD, Jannet Lewis, MD and Cynthia Tracy, MD.

**Report:** GW Hospital, 3rd floor - CVC; 8:00 am – Contact Monica Jenkins for further information at 741-2323.

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.

**MED 358 Clinical Cardiology**
Active participation in the clinical cardiology service. Bedside evaluation is emphasized and is correlated with electrocardiography and other diagnostic studies, including stress testing, echo-cardiography, cardiac catheterization, nuclide angiography, etc. Additional faculty includes: Dns. S. Goldstein; William Suddath; E. Platia, S. Mendelson, S. O'Donoghue, P. Sears-Rogan, Leslie Miller, Jared Widell, Gaby Weisman, Zuyue Wang, and Howard Cooper.

**Report:** Washington Hospital Center, Cardiology Office ($Parking)

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.
**MED 360 Clinical Cardiology**
Experience in clinical cardiovascular problems under supervision of cardiology staff. Emphasis on history, physical diagnosis, and non-invasive cardiovascular techniques. Role of cardiac catheterization explained and results in specific cases discussed. Electrocardiography covered as one of the tools used to approach the cardiovascular patient. Patient management is integral part of course. Teaching rounds and conferences. Additional faculty includes: Drs. David Lu, Pamela Karasik, Michael Franz and Peter Carson.

**Report:** VA Medical Center, Contact Course Director for information

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.

**MED 363 Medical Intensive Care and Coronary Care Unit**
This is a sixteen-bed, combined MICU/CCU. The elective emphasizes evaluation and management of acute medical illness including myocardial infarction, severe heart failure, cardiac dysrhythmia, respiratory, renal and hepatic failure, GI bleeding, acid-base and fluid-electrolyte disturbances. Students become familiar with procedures and devices used on the unit including cardioversion, temporary and permanent pacemakers, right heart and arterial catheterization, intraaortic balloon counterpulsation, invasive and non-invasive electrophysiologic study, mechanical ventilators and oxygen therapy. Students take call every third night with a medical resident and intern. Faculty includes pulmonary and cardiology staff.

**Report:** Contact Course Coordinator 72 hours before the start of the rotation for administrative and security processing.

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation

**MED 364 Medical Intensive Care Unit at INOVA Fairfax Hospital**
The ICUs at Inova Fairfax Hospital are extraordinarily busy with a high level of acuity. Inova Fairfax Hospital is the major referral center for the most critically ill patients in Northern Virginia. There are three ICUs which are covered by a large ICU team comprised of 2 or 3 residents and 3 interns in addition to rotating fourth year students. The types of cases seen are vast with all age patients. There is an emphasis on pathophysiology which involves a multidisciplinary approach. Students are given a high level of responsibility and are expected to work closely with their residents and attending to manage their patients. There is a pulmonary critical care attending who rounds daily with the ICU team. Students are expected to pre-round and present their patients then. There are ample opportunities to learn central line and arterial catheterization procedures. Students are also expected to attend a number of critical care conferences designed specifically for the ICU team. Students are required to take overnight call every fourth night, including weekends. Elective must be approved prior to enrollment by the medicine coordinator.

**Report:** Inova Fairfax Hospital, Dept of Medicine, 3rd floor, Green Elevators; 8:00 am

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation

**MED 365 Coronary Care at INOVA Fairfax Hospital**
The Coronary Care Unit at Inova Fairfax Hospital is a 22 bed unit which remains full year round with cases that span all cardiac disease. The acuity remains high in the CCU, providing the student with an opportunity to manage the multiple cardiac medications and provides opportunities in working with Swan Ganz catheters and intra-aortic balloon pumps. The student can expect to see new patients with myocardial infarction almost on a daily basis. The student will work side by side with interns and directly with a resident and a cardiology teaching attending. The student will have the opportunity to work directly with cardiologists who specialize in electrophysiology, cardiac intervention and echocardiography. There are ample opportunities to enhance one’s cardiology skills, as well as their intensive care unit skills. Students will be expected to carry their own set of patients (2 to 4) and to round on and present them on a daily basis. Students are expected to attend EKG conference, arrhythmia conference and weekly bedside auscultation rounds. Students will learn how to perform central and arterial line placement. There are opportunities to observe both electrophysiology procedures and cardiac catheterizations. Students are required to take overnight call every fourth night, including weekends.

**Report:** Contact the course coordinator for approval after registration and reporting information.

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation

**MED 372 Endocrinology and Diabetes**
Clinical experience in endocrinology and metabolism with an emphasis on outpatient care and longitudinal follow-up. Students examine patients and participate in the diagnosis and planning of therapy, daily rounds, weekly diabetic pregnancy clinic, didactic lectures, case discussions, journal club and conferences. *This course is available for 2 weeks with prior permission of the course director.

**Report:** Contact Course Director one week prior to rotation start date for information

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) evaluation

**MED 373 Endocrinology and Metabolism**
Clinical experience in endocrinology and metabolism. Students examine endocrine patients, make preliminary diagnoses, and assist in treatment. Clinical rounds daily; weekly endocrine clinic, weekly review of abnormal laboratory tests, diabetic clinic and Journal Club, case discussions, didactic lectures. Weekly endocrine reviews based on assigned reading. Additional faculty includes: Drs. Eric Nylen, Robert Dufour, Meeta Sharma and the staff of all the associated hospitals.

**Report:** Contact Course Director or Coordinator at the VA Medical Ctr.

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.
**MED 374 Podiatry and Diabetes Care**
Clinical experience in diabetes care and podiatric medicine and surgery, primarily in an outpatient setting. Emphasis on comprehensive evaluation and treatment of the diabetic patient, including diabetic foot care, diabetes self-care and exercise, as well as medical evaluation. In addition, students will evaluate common over-use and pain syndromes, and deformities involving the foot. Participants will work with a multidisciplinary team including an endocrinologist, podiatrist, and diabetes nurse-educator. Daily clinic, conferences. Additional faculty includes: Joshua L. Cohen, MD, Nilufar Medhane, DPM, and Irene McClain, RN.
Report: ACC, 3rd floor Clinic - Contact Course Director
Course Duration: 2 weeks
Evaluation method: Clinical (subjective) evaluation.

**MED 380 Dermatology Clinic**
Conferences, lectures, and attendance at dermatology clinic where patients with wide variety of dermatoses are seen: diagnosis and treatment of common skin disorders, dermatologic surgery procedures, technique for using liquid nitrogen, culture and identification of fungi, and microscopic diagnosis of common cutaneous diseases. Faculty includes: Drs. Karla Gayer, Sunila Walia, and Alison Ehrlich.
Report: Contact Course Coordinator
Course Duration: 2 or 4 weeks
Evaluation method: Conference participation, clinical (subjective) evaluation.

**MED 390-395 EXTRAMURAL INTERNAL MEDICINE ELECTIVE**
The department will permit students to spend elective periods at other institutions. Available to G.W. students only. Signature approval is required.

**MED 403 Cancer and Primary Care**
Cancer is one of the commonest illnesses in this country. The Primary Care physician will be involved in the diagnosis and care of many cancer patients. Furthermore, many oncologists serve as primary care providers for their patients. This rotation introduces the future generalist to aspects of cancer care that will be useful in his/her practice. Content: Office assessment of the cancer patient; clinical courses of common malignancies; recognizing oncologist emergencies; supportive care principles - including pain management; cancer prevention and early detection. Additional faculty includes: Robert Wadleigh, M.D., Anthony Arcenas, M.D., Anita Aggarwal, D.O., Ph.D. and Dalia Mobareik, MD.
Report: VA Medical Center, Ward 2C North Room 2C122
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation.

**MED 405 Introduction to Medical Oncology**
New patient consultations, ward rounds, and clinic on patients with both hematologic malignancies and solid tumors. Daily discussions on selected topics in medical oncology. Interdisciplinary conference with the VA Hospital also included. Additional faculty includes David J. Perry, M.D., Joseph Catlett, M.D., Lawrence Lessin, M.D., Vera Malkouska, M.D., and Anita Aggarwal, OD, PhD.
Report: Washington Hospital Center, Washington Cancer Institute – C-2151
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation.

**MED 412 Clinical and Research Gastroenterology and Hepatology Elective**
Clinical and research experience directly supervised by course director. Will have clinical exposure to patients who have disease of the gastrointestinal tract, liver and pancreas as well as nutritional disorders. In patient and out patient consultations, teaching rounds, seminars may be incorporated into elective. Joint conferences with surgery, pathology, and radiology emphasize the multidisciplinary approach in digestive diseases. Research activity developed with student at the time of the elective. Expected publication by the end of the elective / academic year. Clinical activity may also include other divisional faculty.
Report: *** Only offered with approval of Associate Dean Scott Schroth and Dr. Borum - Contact Course Director for first day info.
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation; Research activity

**MED 413 Clinical Gastroenterology-Hepatology**
Intensive clinical experience with patients who have disease of the gastrointestinal tract, liver and pancreas as well as nutritional disorders. Patient consultations, teaching rounds, seminars. Joint conferences with surgery, pathology, and radiology emphasize the multidisciplinary approach in digestive diseases. Faculty also includes: Drs. Showkat Bashir, Marie Borum, Nisha Chand, Paul Chang, Allen Ginsburg, Sands Irani, Antoinette Saddler, and Steven Zeddun.
Report: Contact Course Director
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation; Seminar performance.

**MED 414 Clinical Gastroenterology-Hepatology-Nutrition**
Students will work closely with fellows in the Gastroenterology/Hepatology/Nutrition Section. They will see patients on consultations, and will be involved in the initial evaluation, patient investigation and follow-up. Close supervision will be afforded by both the senior Fellows and senior staff.
They will participate indirectly in all specialized procedures involving various biopsy techniques and endoscopies. They will attend teaching rounds, conferences and seminars. Additional faculty includes: Drs. Marino, Reid, Gazi, and Lazerow
Report: VA Medical Center, GI-Hepatology-Nutrition Section Office, Rm 3A166, Please contact the Chief Medical Resident for additional information
Course Duration: 4 weeks Evaluation method: Clinical (subjective) evaluation.
MED 415 Clinical Gastroenterology
Course includes direct patient contact on a consultative basis, and participation in all section activities, including reviews of gastrointestinal pathology and radiology for individual patients, and all procedures, particularly endoscopic. The student will be expected to develop a fundamental core knowledge of basic gastroenterology and to participate in a journal club and case conference. Night call is not required. A research focused elective with a minor aim of undertaking a project/topic for publication can be accommodated by special arrangement.
Report: Washington Hospital Center, Gastroenterology Section
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation; seminar performance.

MED 430 Clinical Hematology
Participation in the evaluation and treatment of patients with hematological disorders. Ward rounds, morphology review sessions, participation in hematology clinic and Journal Club. Additional faculty includes Dr. Joao Ascensao– VA Medical Center, Dalia Mobarek MD and Anita Aggarwal, MD
Report: Contact Course Director 72 hours prior to the start of the course for administrative and security processing.
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation.

MED 431 Clinical Hematology and Oncology
Immersed in the process of diagnosis and therapy of hematologic and oncologic disorders, including in-patient and out-patient consultations, daily care and follow-up of clinical hematologic and oncologic problems. Emphasis on blood and marrow morphology, tumor pathobiology, modern hematologic-oncologic diagnostic procedures, and treatment of blood diseases and cancer, including bone marrow transplantation. Additional faculty includes: Drs. James Ahlgren, Jeanny Aragon-Ching, Khaled El-Shami, Rebecca Kaltman, Frederick Rickles, Alexandria Schwartzin, Imad Tabbara and other Division of Hematology/Oncology faculty.
Report: ACC 1-200; 8:30am
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation, written evaluation

MED 442 Pulmonary Diseases
Interpretation of pulmonary function studies; daily teaching rounds and supervised consultation on patients with various pulmonary and infectious diseases. Participation in pulmonary clinic; techniques and principles of respiratory therapy. Principles and experience with respiratory failure and respiratory intensive care. Washington Hospital Center
Report: Contact Course Director
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation.

MED 447 Pulmonary Medicine at GWU
Participation in the evaluation and treatment of patients with pulmonary disorders. Outpatient pulmonary and sleep medicine clinics, inpatient consultation rounds, pulmonary Blue Team rounds. Participation in all pulmonary conferences. Emphasis is on acquainting the student with the recognition, diagnosis (including diagnostic procedures) and management of common lung disorders. Chest roentgenology and evidence-based approach to management will be stressed. Faculty also includes: Drs. Guillermo Gutierrez, Susan Hasselquist, Vivek Jain, Vinayek Jha.
Report: ACC 3rd floor Specialties Clinic; 8:30 am
Course Duration: 2 or 4 weeks

MED 451 Musculoskeletal and Connective Tissue Diseases
Participation in the evaluation and treatment of patients with musculoskeletal pain and rheumatic diseases, with emphasis on out-patient management and including in-patient consults, and clinical conferences. Regular discussion of selected topics in rheumatology, emphasizing differential diagnosis, pathophysiology and therapeutic modalities. Additional faculty: Dr. James Katz.
Report: Contact Course Director
Evaluation method: Clinical (subjective) evaluation, clinical conference participation, and multiple-choice examination.

MED 459 Clinical Nephrology
Outpatient/Inpatient treatment at private office and affiliated hospitals.
Report: 5530 Wisconsin Avenue NW, Suite 914, Chevy Chase, MD 20815
Course Duration: 2 or 4 weeks
Evaluation Method: Clinical (subjective) evaluations

MED 461 Clinical Renal Disease
Students will participate in the clinical evaluation and management of patients with renal disease in both an inpatient and outpatient setting. The students will see both new and follow-up patients on the inpatient Renal consult service and make rounds with the consult team. Students will learn to perform a urinalysis and microscopy. Students will be expected to attend a weekly renal outpatient clinic and all renal conferences. Students will also be expected to give brief topical presentations during rounds as assigned by the attending physician. Rotations may be either 2 weeks or 4 weeks in duration. Faculty includes Susie Lew, Manuela Velasquez, Dominic Raj, Nicolas Guzman, Samir Patel, Sharon Maynard and Lakhmir Chawla.
Report: GW Hospital, Dialysis Unit – 4th floor; 8:30 am (report to renal fellow).
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation.
**MED 472 Office Practice of Allergy**  
Combined elective with allergy clinic at GWU Hospital, Walter Reed, and NIH. Additional faculty includes: Dr. Henry Fishman.  
**Report:** Please call before coming to office at 9015 Shady Grove Court, Gaithersburg, MD 20877  
**Course Duration:** 2 weeks  
**Evaluation method:** Clinical (subjective) evaluation.

**MED 520 Palliative and Hospice Care**  
Weeks 24/25 only  
This course will teach the basis of palliative care and how to approach the care of patients with serious or chronic illness and/or those who are dying. Palliative care is defined as starting from the time patients are diagnosed with serious illness, thus the principles of Palliative Care apply to patients dealing with chronic illness, over the span of their lives. Issues discussed will be pain management, other symptom management, common psychological and psychiatric issues, grief and spiritual distress, and ethical issues related to patient care as well as self-care of the physician. Students will also learn communication skills used in caring for seriously ill and dying patients and their families. The course involves some lecture and small group interaction and mostly clinical experiences at a variety of palliative care settings in Washington, DC including the VA, GW, Washington Home, and Thomas House and also do some house calls to patients’ homes with an attending. Students will have an opportunity to work with physicians, nurses, social workers and chaplains, as well as attend interdisciplinary rounds and other interesting educational sessions.  
**Course Duration:** 2 weeks  
**Evaluation Method:** Paper; Seminar performance

**MED 521 Clinical Ethics**  
Offered in weeks 44 and 45 only  
Clinical medicine confronts physicians as residents and practitioners with daily ethical problems, such as understanding when to accept or seek to alter patient choices, what is an appropriate use of costly or limited medical resources, how much to disclose to patients about their condition and prospects and the risks of therapy, how to balance ethical responsibilities and legal hazards, how to handle the relationships to medical superiors, how to deal with the responsibilities to patients on whom as residents you are both learning from and giving care, and how to balance the clinical work with responsibilities to self and family during residency and practice. The course uses a short text and case discussion to provide a foundation of ethical knowledge for the learning and practice of clinical medicine.  
**Course Duration:** 2 weeks

**MED 522 Narratives In and Of Medicine**  
Offered in weeks 30 and 31 only  
Read short stories and essays, view films, write short reflections, and discuss matters that are relevant to your life as a physician. The texts represent the points of view of physicians, other health-care workers, patients, and caregivers. This course offers a unique opportunity to reflect on your career as a physician and to share insights with colleagues. The format will vary throughout the sessions (e.g., we will have one short play reading). Dr Raphael will be joined by a physician to lead the discussion for several of the meetings.  
**Course Duration:** 2 weeks  
**Course Director:** Linda Raphael, MD  
**Evaluation Method:** Seminar Participation and Short Writings
**NEUROLOGY**

<table>
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<tbody>
<tr>
<td>NEUR 380</td>
<td>Clinical Neurology</td>
<td>Phillip Pearl, MD</td>
<td>Danielle Provost</td>
<td>CNMC</td>
<td>2/476-2654</td>
<td>476-5226</td>
<td><a href="mailto:ppearl@childrensnational.org">ppearl@childrensnational.org</a></td>
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<td><a href="mailto:dprovost@childrensnational.org">dprovost@childrensnational.org</a></td>
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**NEUR 380 Clinical Neuroscience Clerkship**
Fulfills Neuroscience requirement

Students will be assigned to various sites. A site preference form for the Neuroscience Clinical Clerkship must be submitted upon enrollment. (The form can be found on the www.gwumc.edu web site under forms.) Students' preferences will include adult and pediatric neurology and neurosurgery sites.

There is a common didactic experience for this clerkship so that all students meet together and have a shared curriculum. Students will meet with Dr. Pearl at CNMC on the first week of the rotation and will cover the neurological examination, coma examination, and clinical localization. The following three Thursday afternoons, students will meet at the GWU Hospital with the adult neurology faculty for sessions on stroke, dementia, movement disorders, headache, multiple sclerosis, neuromuscular disorders and related topics.

The final week, students rotating on a neurology service should deliver a 15-20 minute presentation on a topic of their choice at their home site (GWU for students at GWU Neurology; CNMC for rotations at CNMC, WHC and the VA). A handout including objectives and relevant content for other attendees is expected. Students rotating in adult neurosurgery at GWU will take an exam and are not responsible for a presentation.

Students will receive Neurology and Neurosurgery curricula with objectives and associated references, as well as general information and a syllabus from the Neurosurgery department for supplemental reading via email prior to the start of their rotation. Expectations include keeping a log of patients seen (using initials for confidentiality) and their presenting symptom(s)/diagnosis. All students must submit a universal evaluation form to their primary clinical attending, along with 4 written H&P’s (including differential diagnosis and plan).

**Report:** Information will be sent via email. Contact Course Coordinator.

**Evaluation method:** Clinical (subjective) evaluation, written examination (GW Neurosurgery); presentation.

**NEUR 390-394 Extramural Neurology Elective**

Students can spend an elective period in another institution. They should arrange the elective with the other institution and bring a letter of acceptance/approval. Available to G. W. students only.

**Evaluation method:** Variable.
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<tbody>
<tr>
<td>NSUR 380 &gt;</td>
<td>Neurosurgery – 4 weeks (Register for NEUR 380)</td>
<td>Anthony Caputy, MD</td>
<td>ACC 7-423</td>
<td>2/741-2750</td>
<td>741-2742</td>
<td><a href="mailto:acaputy@mfa.gwu.edu">acaputy@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>NSUR 390-393</td>
<td>Extramural Elective in Neurosurgery</td>
<td>Anthony Caputy, MD</td>
<td>ACC 7-423</td>
<td>2/741-2750</td>
<td>741-2742</td>
<td><a href="mailto:acaputy@mfa.gwu.edu">acaputy@mfa.gwu.edu</a></td>
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</tbody>
</table>

> Indicates a course which must be reserved by arrangement with the Course Director

**NSUR 380 Clinical Neurosurgery**

Register for NEUR 380 and select NSUR on preference form

Clinical clerkship in neurosurgical service. Emphasis on neurological examination; indications for special neurological and operative procedures. This elective will meet the neuroscience requirement. Night call every third night; student will carry pager for rotation. Additional faculty: Anthony Caputy, MD, Norman Horwitz, MD, Hugo Rizzoli, MD and Mike Dennis, MD.

**Report:** Contact Course Director

**Course Duration:** 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.

**NSUR 390-392 Extramural Neurosurgery Elective**

The department may permit students to spend one or more elective periods at other institutions. There may be night call. Available to G.W. students only.
OBG & GYN 303 3rd Yr Obstetrics and Gynecology Clerkship
Charles Macri, MD
Nykiah Betts
ACC 6A-423
2/741-2510
n/a
cmacri@mfa.gwu.edu
nbetts@mfa.gwu.edu

OBG & GYN 378 Repro Endocrin and Infertility
Molina Dayal, MD, MPH
Nykiah Betts
ACC 6A-423
2/741-2510
741-2518
mdayal@mfa.gwu.edu
nbetts@mfa.gwu.edu

OBG & GYN 381 Perinatal Medicine
Susanne Bathgate, MD
Nykiah Betts
ACC 6A-423
2/741-2510
741-2550
sbathgate@mfa.gwu.edu
nbetts@mfa.gwu.edu

OBG & GYN 386 Minimally Invasive Gynecologic Surgery
James Robinson, MD
Nykiah Betts
ACC 6A-423
2/741-2510
741-2550
nbetts@mfa.gwu.edu

OBG & GYN 387 Gynecologic Oncology
Mildred Chernoesky, MD
Nykiah Betts
ACC 6A-423
2/741-2510
741-2550
nbetts@mfa.gwu.edu

OB & GYN 390 Extramural Obstetrics
John Larsen, MD
Dr. Larsen
ACC 6A-427
2/741-2551
n/a
jlarsen@mfa.gwu.edu

OBG & GYN 378 Reproductive Endocrinology and Infertility
Participation in patient management of office gynecology focusing on reproductive endocrinology and infertility. Typical clinical problems will include menstrual disorders (amenorrhea, oligomenorrhea, etc), PCOS, premature ovarian failure, and infertility. Students will take part in daily assessment and management of patients; in addition, students will be able to observe diagnostic, operative and therapeutic procedures including hysteroscopy, laparoscopy, and those related to in-vitro fertilization (oocyte retrievals, embryo transfers, intracytoplasmic sperm injection). Involvement in clinical research of IVF outcomes and/or clinically-oriented laboratory experience in in vitro fertilization is available. Additional faculty includes: Drs. Gindoff, Frankfurter and Dubey.
Report: ACC Room 6-300 at 8:30am. Contact the course coordinator for further instructions.
Evaluation method: Clinical (subjective) evaluation; Weekly Seminar Performance (presentation and discussion of ‘interesting cases’); Final Evidence Based Presentation of REI topic of interest; Paper (if research performed)

OBG & GYN 381 Perinatal Medicine
This course is designed for the 4th year medical student to participate in complicated obstetrics clinics and antepartum and intrapartum management of high risk obstetrical patients including ultrasound, prenatal diagnosis and genetic counseling. The student will also work with residents and faculty in Maternal Fetal Medicine at GWU Hospital and the MFA outpatient clinic. Additional faculty: John W. Larsen, MD, Charles Macri, MD and Lisa Freese, M.S.
Report: GWU Hospital, Labor and Delivery-3 North at 6:30 am. Contact course coordinator if additional information is required.
Course Duration: 4 weeks
Evaluation Method: Clinical (subjective) evaluation, paper

OBG & GYN 386 Minimally Invasive Gynecologic Surgery
This course will expose 4th year medical students to the full array of complex minimally invasive gynecologic surgery including laparoscopic, hysteroscopic, robotic, and single-site approaches. Typical case volume is 20-30 cases. In addition to the surgical exposure students play an integral role in the busy consultative clinic and will be exposed to office procedures including flexible and rigid hysteroscopy, tubal sterilization, endometrial ablation, colposcopy, LEEP, transvaginal sonography, and urodynamics. Students will attend weekly Grand Rounds and Gynecology conferences and will take part in the MIS journal club.
Students will work closely with the Minimally Invasive Gynecologic Surgical Fellow, the Chief Resident, and Dr. James Robinson. All students are required to present a scholarly presentation toward the end of the rotation. There will be an opportunity for interested students to work on their technical laparoscopic skill in a laboratory setting over the course of the rotation.
Report: Contact Course Coordinator
Course Duration: 4 weeks
Evaluation Method: Clinical (subjective) evaluation

OBG & GYN 390-395 Extramural Obstetrics & Gynecology Elective
The department will approve students to spend elective periods at selected institutions. Available to G.W. students only.
OPHTHALMOLOGY

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<td>OPHT 381*&gt;</td>
<td>Clinical Ophthalmology</td>
<td>Bryan Edgington, MD</td>
<td>Pat Johnson</td>
<td>ACC 2A</td>
<td>2/741-2493</td>
<td>741-2821</td>
<td><a href="mailto:gwophthalmologyrotation@gmail.com">gwophthalmologyrotation@gmail.com</a> <a href="mailto:patjohnsonson@mfa.gwu.edu">patjohnsonson@mfa.gwu.edu</a></td>
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<tr>
<td>OPHT 384*</td>
<td>Clinical Ophthalmology</td>
<td>George Smith, MD</td>
<td>Dr. Smith</td>
<td>Martinsburg, WV</td>
<td>304-263-0811 ext: 3530</td>
<td>741-2821</td>
<td><a href="mailto:gwophthalmologyrotation@gmail.com">gwophthalmologyrotation@gmail.com</a></td>
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<td>Pat Johnson</td>
<td>ACC 2A</td>
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<td><a href="mailto:gwophthalmologyrotation@gmail.com">gwophthalmologyrotation@gmail.com</a> <a href="mailto:patjohnsonson@mfa.gwu.edu">patjohnsonson@mfa.gwu.edu</a></td>
</tr>
</tbody>
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*Indicates a course which may be taken for a two-week duration
> Indicates a course which must be reserved by arrangement with the Course Director

>**OPHT 381 Clinical Ophthalmology**

Reservation required in weeks 2-9
Space must be reserved with the dept. prior to the match.

The rotation consists of observation and participation in the examination, diagnosis, and management of wide variety of ocular conditions in ambulatory patients. There is the opportunity to observe both in clinic and in the operating rooms. All subspecialties of ophthalmology are available and students are rotated through the department to enhance the overall exposure to ophthalmology. If interested a portion of the elective can be arranged at Children’s National Medical Center with the pediatric ophthalmology faculty. Emphasis is placed on conducting a general ophthalmic examination with recognition of abnormal findings and management of common ocular diseases. Additional faculty at the MFA includes: Drs.: Craig Geist (Chairman), David Belyea, Bryan Edgington, Sanjeev Grewal, Alla Hynes, Kenyon Kramer, Jevan Mathura, Roberto Sunga, Mervin Zimmerman, Deneen Zaetta, Tania Lamba, William Madigan, Sam Mansour, Mohamad Jaafar and Stanley Tempchin.

**Report:** ACC 2A Ophthalmology Clinic; 8:00am to Melinda Evans. Please call/email Ms. Evans one week prior to the start of the rotation to confirm your position.

**Course Duration:** 2 or 4 weeks (Offered July and August [weeks 2-9] by arrangement with the dept; open enrollment weeks 10-45)

**Evaluation method:** Clinical (subjective) evaluation, written examination, oral presentation.

**OPHT 384 Clinical Ophthalmology –Martinsburg V.A. Hospital**

Observation and participation in examination, diagnosis and management of wide variety of ocular conditions. Emphasis on conducting a general ophthalmic examination, recognition of abnormal findings, and management of common ocular diseases. VA Medical Center, Eye Clinic 613/112, Martinsburg, West Virginia 25401

**Report:** Contact Course Director

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) assessment

**OPHT 390-392 Extramural Ophthalmology Elective**

Special elective program arranged for selected students at other institutions. Available to G.W. students only.
*ORTH 302 Clinical Clerkship in Orthopaedic Surgery*

Basic clinical rotation. This course will partially fulfill the surgical subspecialty requirement. All students in any given period must go to the hospital where that section's preceptor is located. Preceptors are based at GW or an affiliated hospital. A faculty preceptor is assigned to each group of students and is responsible for didactic sessions on physical diagnosis, x-ray interpretation, arthritis, trauma, and reconstructive surgery. Much of the students' remaining time is spent with the orthopaedic residents, on ward rounds, in the Emergency Room or Operating Room or attending conferences. Night call is a requirement, 2 nights during the two weeks. Students cannot exceed an 80 hour work week. You must contact Ann Bond at (202) 741-3311 or by e-mail: abond@mfa.gwu.edu one week before your start day to find out where you will be assigned and where and when to report; this information will not be mailed to you. Rotations at GW or affiliated Hospitals

**Report:** Contact Course Coordinator

**Course Duration:** 2 weeks

**Evaluation Method:** Clinical (subjective) evaluation and written exam. Preceptor may assign a special project instead of an exam.

>ORTH 380 Orthopaedic Surgery

Reservation required in weeks 2-21

Students desiring further exposure to orthopaedics may elect this preceptorship. ORTHO 302 is a prerequisite. Students will participate in in-patient and out-patient care of orthopaedic patients, daily rounds, conferences, etc., under the direction of two different faculty members one for each of two 2- week periods. Night call 4-8 times. Students cannot exceed an 80 hour work week. GW students should contact Ann Bond by e-mail: abond@mfa.gwu.edu in May to pre-arrange this elective. Non-GW students should contact Ann C. Bond (in May), by e-mail: abond@mfa.gwu.edu with name, school, contact information, preferred dates, areas of interest, and information on orthopaedic background. See www.gwumc.edu/edu/ortho GW students will not be able to sign-up for this course in the computer match. Sign-up for ORTH 390 and reserve space with the Orthopedic Department. The Dean will switch you into this course during your individual meeting. ($Parking and Metro accessible)

**Report:** Contact Course Coordinator, Ann Bond

**Course Duration:** 4 weeks (Offered July-November by arrangement with the Course Coordinator; GW students have first preference)

**Evaluation method:** Clinical (subjective) evaluation. Preceptor may assign a special project instead of an exam.

**ORTH 390-393 Extramural Elective**

The department permits students to spend elective periods at other institutions. ORTHO 302 is a prerequisite. Available to G.W. students only. Call Dr. Neviaser or Ann Bond at 202-741-3311 to prearrange.
### PATH 290 Extramural Pathology

Pathology

**Course Title:** Extramural Pathology

**Course Director:** Donald Karcher, MD

**Contact for Information:** Silvia Locks Ross

**Location:** 502 Ross

**Phone #:** 994-2969

**Fax #:** 994-2618

**Email Address:**
- slocks@mfa.gwu.edu
- dkarcher@mfa.gwu.edu

*Indicates a course which may be taken for a two-week duration

The department permits medical students to spend elective periods at other institutions. Available to G.W. students only.

### PATH 296 Surgical Pathology – A Mini-Residency

A mini-residency - under supervision, the student participates in all activities conducted by residents: case sign-out of biopsies at double-headed microscope; case conferences at multi-headed scope; cutting of surgical specimens; dictation and formulation of macroscopic reports; attendance at intra-operative consultations; photography of gross specimens; students develop an almost one to one relationship with surgical pathology attendings. Course objectives: wide exposure to clinical role of surgical pathologist; rudiments of diagnostic process in surgical pathology through constant visual exposure to gross pathologic material and histologic slides; an attractive potential future career choice.

Additional faculty includes: Drs. Sana Tabbara, Arnold Schwartz, Robert Jones, Katherine Berezowski, Katy Rezaei, Michael Stamatakos, Janna Kelleher, Patricia Latham and Jan Orenstein.

**Course Duration:** 4 weeks

**Evaluation method:**
- Clinical (subjective) evaluation; Seminar performance; composition of pathology reports; attendance at divisional conferences; participation in intra-operative consults; learning curve at microscope; processing of surgical specimens.

### PATH 298 Autopsy Pathology

Organ changes in disease, gross and microscopic correlation, preparation of protocols. Participation in autopsy pathology service. Course not available until September.

**Report:** Contact Course Director

**Course Duration:** 4 weeks

**Evaluation method:** Paper; seminar performance.

### PATH 321* Clinical Pathology/Lab Medicine

Rotations through clinical chemistry, hematology, microbiology, and transfusion medicine (blood bank) laboratories providing guided readings, laboratory experience, didactic presentations, weekly conferences, and opportunities for clinical consultation. Course emphasizes basic principles of laboratory technology applied to the diagnosis and management of clinical disorders, with special focus on the appropriate interpretation of laboratory data. Faculty also includes: Drs. Louis DePalma, Donald Karcher, John Keiser, and Elsie Lee.

**Report:** Contact Course Director

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) evaluation.
### PEDIATRICS

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<th>Location</th>
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<tr>
<td>PED 303</td>
<td>3rd yr Pediatrics Clerkship</td>
<td>Terry Kind MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5692</td>
<td>476-4741</td>
<td>kind@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<tr>
<td>PED 360</td>
<td>Peds Al – General Hospital Pediatrics (Silver Team)</td>
<td>Craig DeWolfe MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5344</td>
<td>476-4741</td>
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<td>PED 361</td>
<td>Peds Al – General Hospital Pediatrics (Orange Team)</td>
<td>Craig DeWolfe MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5344</td>
<td>476-4741</td>
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<td>PED 362</td>
<td>Peds Al – General Hospital Pediatrics (Purple Team)</td>
<td>Craig DeWolfe MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5344</td>
<td>476-4741</td>
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<tr>
<td>PED 365</td>
<td>Peds Al – General Hospital Pediatrics at Holy Cross Hospital</td>
<td>Sandra Cuzzi MD</td>
<td>Pat Cavey</td>
<td>Holy Cross Hospital</td>
<td>301 754-7236</td>
<td>301 754-7154</td>
<td><a href="mailto:cuzzis@holycrosshealth.org">cuzzis@holycrosshealth.org</a></td>
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<tr>
<td>PED 366</td>
<td>Peds Al – General Hospital Pediatrics Non-resident Service</td>
<td>Elizabeth Shashaty MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5692</td>
<td>476-4741</td>
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<td>PED 368</td>
<td>Pediatric HIV Infection</td>
<td>Natella Rakhamina MD</td>
<td>Kathy Ferrer MD</td>
<td>Keeta Williams</td>
<td>Children’s National</td>
<td>476-3495</td>
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<td>PED 369</td>
<td>Infectious Disease Consult</td>
<td>David Hyun MD</td>
<td>Martha Mulgeta</td>
<td>Children’s National</td>
<td>476-2980</td>
<td>476-3850</td>
<td>dhyun@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<tr>
<td>PED 371</td>
<td>Community Pediatrics – Advocacy and Mobile Health</td>
<td>Marcee White MD</td>
<td>Wilhelmina Bradford</td>
<td>THERC</td>
<td>436-3060</td>
<td>436-3090</td>
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<td>PED 372</td>
<td>Child Abuse Evaluation</td>
<td>Tanya Hinds, MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-6708</td>
<td>476-6997</td>
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<td>Medical Genetics</td>
<td>Brendan Lanphier MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-2187</td>
<td>476-2390</td>
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<tr>
<td>PED 379</td>
<td>Pediatric Critical Care</td>
<td>Christiane Corriveau MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-2130</td>
<td>476-5724</td>
<td>ccorriveau@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 380</td>
<td>Pediatric Gastroenterology</td>
<td>John Snyder MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-3032</td>
<td>476-4156</td>
<td>jsnyder@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<tr>
<td>PED 381</td>
<td>Pediatric Allergy and Immunology</td>
<td>Cindy Nguyen MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5692</td>
<td>476-4741</td>
<td>cnguyen@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<tr>
<td>PED 382</td>
<td>Pediatric Diagnostic Imaging &amp; Radiology</td>
<td>Alexia Egooff MD</td>
<td>Verne Mattox</td>
<td>Children’s National</td>
<td>476-4291</td>
<td>476-3644</td>
<td>aegooff@<a href="mailto:vmattox@childrensnational.org">vmattox@childrensnational.org</a></td>
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<td>PED 383</td>
<td>Pediatric Pulmonary Med</td>
<td>Folasade Ogunesi MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-3519</td>
<td>476-5864</td>
<td>fogunesi@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 386</td>
<td>Pediatric Hematology-Oncology Outpatient</td>
<td>Michael Guerrera MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-2800</td>
<td>476-5685</td>
<td>mguerrera@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 388</td>
<td>Neonatal Intensive Care</td>
<td>Louis Scavo MD</td>
<td>Sylvia McGuire</td>
<td>Children’s National</td>
<td>476-3314</td>
<td>476-3459</td>
<td>lscavo@<a href="mailto:smcuigire@childrensnational.org">smcuigire@childrensnational.org</a></td>
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<tr>
<td>PED 389</td>
<td>Pediatric Cardiology</td>
<td>Chris Spurmy MD</td>
<td>Brenda Roach</td>
<td>Children’s National</td>
<td>476-2020</td>
<td>476-5700</td>
<td>cs spurmy@<a href="mailto:broach@childrensnational.org">broach@childrensnational.org</a></td>
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<td>PED 390</td>
<td>Extramural Pediatrics</td>
<td>Terry Kind MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-3022</td>
<td>476-4741</td>
<td>kind@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 397</td>
<td>Pediatric Nephrology</td>
<td>Jonathan Heliczer MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5058</td>
<td>476-3475</td>
<td>jheliczer@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 398</td>
<td>Pediatric Sports Medicine</td>
<td>Nailah Coleman MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-4063</td>
<td>476-4613</td>
<td>ncoleman@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 399</td>
<td>Ambulatory Adolescent Med</td>
<td>Larry D’Angelo MD</td>
<td>Angela Ellis</td>
<td>Children’s National</td>
<td>476-2178</td>
<td>476-3630</td>
<td>ldangelov@<a href="mailto:geilis@childrensnational.org">geilis@childrensnational.org</a></td>
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<td>PED 400</td>
<td>Pediatric Laboratory Medicine</td>
<td>Edward Wong MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-5292</td>
<td>476-2007</td>
<td>ewong@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 403</td>
<td>Pediatric Rehabilitation</td>
<td>Olga Morozova MD</td>
<td>Jennifer Okusanya-Aromashodu</td>
<td>Children’s National</td>
<td>476-3094</td>
<td>476-5979</td>
<td>omorozova@<a href="mailto:ookusany@childrensnational.org">ookusany@childrensnational.org</a></td>
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<td>PED 405</td>
<td>Pediatric Emergency Med</td>
<td>Shireen Atabaki MD</td>
<td>Hilda Rojas</td>
<td>Children’s National</td>
<td>476-4177</td>
<td>476-3573</td>
<td>satabak@<a href="mailto:harjas@childrensnational.org">harjas@childrensnational.org</a></td>
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<td>PED 407</td>
<td>Pediatric Healthy Generations – Teen Parent Program</td>
<td>Ruth Holo MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-6878</td>
<td>476-2381</td>
<td>rsrcano@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 408</td>
<td>Breastfeeding Medicine</td>
<td>Sahira Long, MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-6594</td>
<td>476-6579</td>
<td>salong@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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<td>PED 409</td>
<td>Pediatric Help Team</td>
<td>Miriam Bloom MD</td>
<td>Wilhelmina Bradford</td>
<td>Children’s National</td>
<td>476-3957</td>
<td>476-3732</td>
<td>mbloom@<a href="mailto:wbholmes@childrensnational.org">wbholmes@childrensnational.org</a></td>
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Each of these electives emphasizes an exposure to subject matter in a close working relationship with Children’s National faculty. Contact the Medical Student Education Coordinator, Wilhelmina Bradford at wbholmes@childrensnational.org or 202 476-5692 for all inquiries about electives and their availability. Orientation and reporting information is sent via e-mail 3 weeks prior to the start date. There is a required registration fee of $75.00 for up to 2 electives. Free off-site parking/shuttle available & Metro is accessible for the Children’s National main campus. Only AI, NICU, and PICU students receive on-site parking in the Children’s National Staff Lot at $54.00 per month.
Students will be allowed no more than 1 excused day off during a 2 week elective, 2 days off during an AI, and 3 days off during a 4 week elective unless prior notification and approval are granted at least 2 weeks prior to the start of the elective. Excused days off include illness, holidays, interviews, or examinations. Permission for additional days could be granted at the discretion of the elective and/or course director based on available alternative learning experiences. Students, however, should not expect that an alternate experience will be made available.

**PED 360 ACTING INTERNSHIP – GENERAL HOSPITAL PEDIATRICS - SILVER TEAM**

Full-time Acting Internship in Pediatrics as part of the resident team. Patients are managed by the Pediatric Hospitalist team. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the resident night float team. There is a weekend requirement. Proof of influenza vaccination will be required for those electing to do the course during Flu season.

This elective provides a close working relationship with pediatric residents during their required inpatient ward month.

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation

**PED 361 ACTING INTERNSHIP – GENERAL HOSPITAL PEDIATRICS - ORANGE TEAM**

Full-time Acting Internship in Pediatrics as part of the resident team. Patients are managed with the Pediatric Hospitalist team. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the resident night float team. There is a weekend requirement. Proof of influenza vaccination will be required for those electing to do the course during Flu season.

This elective provides a close working relationship with pediatric residents during their required inpatient ward month.

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation

**PED 362 ACTING INTERNSHIP – GENERAL HOSPITAL PEDIATRICS - PURPLE TEAM**

Full-time Acting Internship in Pediatrics as part of resident team. Patients are managed with the Pediatric Hospitalist team. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the resident night float team. There is a weekend requirement. Proof of influenza vaccination will be required for those electing to do the course during Flu season.

This elective provides a close working relationship with pediatric residents during their required inpatient ward month.

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation

**PED 365 ACTING INTERNSHIP – GENERAL HOSPITAL PEDIATRICS at HOLY CROSS HOSPITAL**

Full-time Acting Internship in Pediatrics as part of the resident team on a general pediatric ward. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the resident night float team. This elective provides a close working relationship with pediatric residents during their required inpatient ward month. Because all of the clinical responsibilities will be off of the CHILDREN’S NATIONAL campus, personal transportation is required. Although there will be a limited exposure to resident conferences at CHILDREN’S NATIONAL, regular pediatric resident and medical student conferences are provided at Holy Cross Hospital. There is a weekend requirement. Proof of influenza vaccination will be required for those electing to do the course during Flu season.

Holy Cross Hospital, 1500 Forest Glen Road, Silver Spring, MD 20901

Report: Holy Cross Hospital - 1st Floor - Med Ed office at 7:30am - Pat Cavey. She will then direct you to the 8th Floor Pediatric Unit - ask for the Pediatric Resident

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation

**PED 366 ACTING INTERNSHIP – GENERAL HOSPITAL PEDIATRICS — NON-RESIDENT TEAM**

Full-time Acting Internship in Pediatrics as part of the Attending Hospitalist team. Patient acuity is similar to community hospital patients. Students work and present directly with the hospitalist faculty attending. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the attending night team. There is a weekend requirement. Proof of influenza vaccination will be required for those electing to do the course during Flu season.

Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation

**PED 368 PEDIATRIC HIV INFECTION – A Letter of Interest is Required**

In this elective, the student will learn about perinatal transmission of HIV, prevention of perinatal transmission of HIV and management of an infant born to an HIV-positive mother. The student will also learn about the clinical course and treatment of pediatric HIV infection, principals of antiretroviral therapy, HIV resistance, opportunistic infections and prevention. Additional aspects of training include international aspects of pediatric and adolescent HIV, HIV prevention (early identification and post-exposure prophylaxis), and clinical and bench research participation. The student will participate in all Special Immunology clinical activities, multi-disciplinary team meetings and reviews of the research protocol. There may be opportunities to engage in a research project (ex chart review, short term project) – some of which go on to publication. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.

Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.

**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation and an optional research performance

**PED 369 PEDIATRIC INFECTIONOUS DISEASE CONSULTATION SERVICE**

Students will serve as members of the inpatient consultation team. Common conditions encountered include infections in immunocompromised hosts, complex pneumonia, musculoskeletal infections, unexplained fever, and tropical diseases. Students will develop increased competence in the appropriate selection and use of antimicrobial agents to treat bacterial, viral, fungal and parasitic infections. Students also are offered the opportunity to see patients in the outpatient clinic, participating in follow-up management of osteomyelitis and other disorders, as well as in evaluation of prolonged fever and other outpatient infectious disease conditions. Students also will participate in the Tuesday afternoon conference series and case discussion session. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.

Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.

**Course Duration:** 2 or 4 weeks  
**Evaluation Method:** Clinical evaluations, conference participation
PED 371  CHILDREN’S HEALTH PROJECT OF DC – Children's Health Center @THEARC & Mobile Health Program
The mission of the program is to ensure that all children have access to a medical home regardless of their ability to pay. Students doing a rotation with the Children’s Health Project of DC will spend time on the mobile units and at the fixed clinic site at Town Hall Education Arts and Recreation Campus (THEARC). Students will be exposed to the enhanced medical home model and advocacy. Opportunities to work with dental and other ancillary care professionals in addition to community events may be provided. Students will be assigned reading during the rotation to highlight the importance of medical homes and advocacy in the practice of medicine. Because all of the clinics and experiences will be off of the Children’s National campus, public or personal transportation is required. Proof of influenza vaccination will be required for those electing to do the course during Flu season. There will be limited exposure to resident conferences but this elective does provide an opportunity to work with pediatric residents during their continuity clinic experience. No weekends or call.
Children’s Health Project of DC/Children’s Health Center at THEARC - 1901 Mississippi Ave, SE, Washington, DC 20020
Course Duration: 4 weeks
Evaluation Method: Clinical Evaluations

PED 372  CHILD ABUSE EVALUATION
Students will focus on diagnosis and management of child abuse and neglect in the in-patient and out-patient setting. This elective offers a comprehensive overview of appropriate history taking and physical examination techniques. This elective includes opportunities to learn from normal and abnormal genital exams when there is concern for sexual abuse. Trainees participate in the comprehensive evaluation of physical abuse victims. Trainees will be exposed to skin manifestations of abuse, fractures, burns and abusive head trauma (shaken baby syndrome). Faculty and staff emphasize objective, systematic diagnosis and management of child maltreatment. There are opportunities to observe forensic interviewers, social workers, psychologists, law enforcement and legal colleagues who comprise the District of Columbia’s Multidisciplinary Team. At the end of the rotation the trainee is expected to complete a reflection paper or a project that reflects the trainee’s interest in an aspect of child abuse or neglect. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.
Although there are limited opportunities to work with Children's National residents during the clinical portion of the elective, regular attendance at Children’s National resident conferences is encouraged.
Course Duration: 2 or 4 weeks. A 4 week rotation will allow a greater opportunity for independent, direct patient care as skills are developed.
Evaluation Method: Clinical evaluation and end of rotation project.

PED 378  PEDIATRIC MEDICAL GENETICS
This elective provides an exposure to the principles of basic human genetics with an emphasis on the dysmorphic child, syndrome identification, and inborn errors of metabolism in the genetics clinic and through inpatient consultation. Additional emphasis on genetic testing and counseling will also be provided. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.
Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation.

PED 379  PEDIATRIC CRITICAL CARE
This elective will introduce students to the care of critically ill children and their families. Students will participate on a resident team and will be responsible for the care of 2-3 patients. This elective offers the opportunity for fourth year students to apply pathophysiologic principles learned during medical school to the care of critically ill children. Care teams are composed of both medical and surgical subspecialty patients. Students will be supervised directly by residents, fellows and critical care attendings. Night call averages every 5th night and includes weekend call.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation.

PED 380  PEDIATRIC GASTROENTEROLOGY
Experience will be provided in GI, Hepatology, Nutrition and Intestinal Rehabilitation on the inpatient team. Additional exposure may be possible on the consultation team as well. A limited outpatient shadowing experience can be requested. Although no call or weekend hours are required, extended hours of pre-rounding and sign-out will be expected. Proof of influenza vaccination will be required for those electing to do the course during Flu season.
This elective provides a close working relationship with pediatric residents during their required inpatient ward month.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation; Oral Teaching Presentation

PED 381  PEDIATRIC ALLERGY & IMMUNOLOGY
This elective is an introduction to pediatric allergy and immunology. The majority of the time will be spent in outpatient clinics at the main hospital and at our satellite clinic in Fairfax, Virginia; however, students will also participate in inpatient consults as well. The emphasis is on pediatric allergic disease but rotations through immunology clinics are also available. Students will be seeing patients and then discussing them with the faculty. Students will also often work with residents and fellows. Additional education is provided through allergy and immunology rounds and conferences. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation; Formal oral presentation.
Free parking is available at the Northern Virginia location. It is not easily accessible by Metro.

PED 382  PEDIATRIC DIAGNOSTIC IMAGING & RADIOLOGY
Students participate in clinical rounds, teaching conferences, case discussions, research conferences, and journal reviews. Observation will be arranged in diagnostic radiology, ultrasound, nuclear medicine, computed tomography, magnetic resonance imaging, and cardiovascular interventional radiology. Student/faculty tutorials will occur. Students will be expected to present short interesting case presentations, perform clinical-radiological correlation on active patients, fulfill online pediatric radiology curriculum and read significant portions of the imaging literature. Problem solving will be stressed. Previous training in general (adult) radiology is highly recommended. Night call – not required – suggestion of observing two night calls in four weeks. Proof of influenza vaccination will be required for those electing to do the course during Flu season. Approximately 25% of the clinical experiences may provide exposure to pediatric residents participating in an elective. Regular attendance at resident conferences is also encouraged.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation; presentation performance.
PED 383  PEDIATRIC PULMONARY MEDICINE
Students will become familiar with the most common pulmonary conditions in both in-patient and outpatient settings. By the end of the course students will understand the pathophysiology of common pulmonary conditions and apply this knowledge to clinical decision making and management. This rotation will enhance clinical skills in history taking and examination with specific focus on the respiratory systems. Common areas of focus will include asthma, cystic fibrosis, obstructive sleep apnea, bronchopulmonary dysplasia, pneumonia, and SIDS. Attention will be given to pulmonary function testing. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call. The inpatient portion of the elective provides a close working relationship with pediatric residents during their required inpatient ward month. The outpatient portion does not provide regular exposure to residents. Regular attendance at resident conferences is encouraged.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation, case presentation.

PED 386  PEDIATRIC HEMATOLOGY-ONCOLOGY
Students will be exposed to both the inpatient and outpatient diagnosis and management of children with hematologic and oncologic diseases. Students will pre-round and present patients on the hematology-oncology service in the mornings and then evaluate new and follow-up patients in the outpatient clinic in the afternoons. Students on this rotation will be an integrated member of the inpatient team with resident, fellow and attending supervision. The student will work with different fellows and attendings in the afternoon based on the specialty focus of the clinic. Laboratory experiences include examination of peripheral blood smears and bone marrow aspirates, as well as the interpretation of laboratory tests used in the diagnosis and management of these patients. Proof of influenza vaccination will be required for those electing to do the course during Flu season. Although no call or weekend hours are required, extended hours of pre-rounding and sign-out will be expected. Regular attendance at resident conferences is encouraged.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation; Seminar performance.

PED 388  NEONATAL INTENSIVE CARE
Students will participate in the intensive care of infants on the resident team. Neonatal disease and physiology are emphasized. The overnight call experience will be provided during the 2nd or 3rd week of the rotation on the resident night float team. Proof of influenza vaccination will be required for those electing to do the course during Flu season. There is a weekend requirement. This elective provides a close working relationship with pediatric residents during their required inpatient ward month.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation

PED 389  PEDIATRIC CARDIOLOGY
Full-time participant in the outpatient pediatric cardiology clinic team. Emphasis is provided on physical diagnosis of congenital and acquired heart disease, interpretation of electrocardiograms and echocardiograms. Exposure will be offered in cardiac catheterization and cardiac MRI’s. Optional observation of cardiac surgical procedures will be made available. Students are expected to participate in departmental conferences. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call. Although the elective may be adapted to allow care of admitted patients with the pediatric residents during their required inpatient ward month, the outpatient experience does not provide regular exposure to residents. Experiences can be provided at regional outpatient clinics. Regular attendance at resident conferences is encouraged.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation and a formal case presentation.

PED 390-395  EXTRAMURAL PEDIATRIC ELECTIVE
Available to GW Students Only. The department permits students to attend electives at other institutions. Students will need signature approval.

PED 397  PEDIATRIC NEPHROLOGY
Students will be involved in ambulatory, inpatient and consultative pediatric nephrology. The breadth of patient exposure ranges from those with common primary care problems to those who have complex nephrological disorders, including acute and chronic renal failure. Attendance at regularly scheduled conferences is expected. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call. Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.
Course Duration: 2 or 4 weeks
Evaluation Method: Clinical evaluation; Journal Club presentation, seminar performance

PED 398  PEDIATRIC SPORTS MEDICINE
The rotation will serve as an introduction to the field of Orthopedics and Sports Medicine. In general, this rotation will include clinic-based and non-clinic activities. Clinic activities may include sports medicine clinic, fracture clinic, bone health clinic, and general orthopedics clinic. OPEN clinic times can be spent in radiology or physical therapy. Non-clinic activities may include didactics, journal club, training room, game and event coverage, and operating room observation. Rotators will be expected to be present at/participate in the sports medicine lecture (monthly) and indications conference (weekly on Thursdays at 7 am). Many of the clinics and experiences will be off of the Children’s National campus. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call. There will be a limited exposure to resident conferences. Use of public transportation or using personal transportation is recommended.
Course Duration: 2 or 4 weeks
Evaluation Method: Clinical evaluations, Case Presentations and Journal Club Presentations

PED 399  AMBULATORY ADOLESCENT MEDICINE
Out-patient clinic experiences in the diagnosis and management of problems of patients between 12 years and adulthood under the supervision of senior staff and fellows. Additional participation in consultative clinics, medical teaching conferences, and Adolescent Grand Rounds will be expected. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call. This elective provides a close working relationship with pediatric residents during their required outpatient adolescent month.
Course Duration: 4 weeks
Evaluation Method: Clinical evaluation and topic presentation.
**PED 400  PEDIATRIC LABORATORY MEDICINE**
This elective is intended for fourth year medical students interested in pediatrics. Students will spend four weeks in the Division of Laboratory Medicine at Children’s National Medical Center gaining an understanding of what tests should be ordered, how they are performed, and the clinical significance of test results. They may choose to concentrate their experience in a particular area of the laboratory (e.g. chemistry, hematology, transfusion medicine, microbiology, molecular diagnostics, biochemistry, genetics, immunology, or laboratory informatics) or they may choose a broad exposure to all aspects of pediatric laboratory medicine. Students are expected to present a case study highlighting the role of the laboratory in diagnosis and management of a disease. In addition students will attend divisional meetings dealing with laboratory test utilization, quality of laboratory testing, and laboratory informatics. Proof of influenza vaccination will be required for those electing to do the course during Flu season. Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences. No weekends or call.
**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation; Seminar performance

**PED 403  PEDIATRIC REHABILITATION MEDICINE**
Students will learn about management of patients with acute and chronic childhood disabilities including but not limited to cerebral palsy, Spina Bifida, brain injury, neuromuscular disorders, and other disorders of the spinal cord. The rotation includes inpatient consults and ambulatory clinics including multidisciplinary Muscular Dystrophy, Spasticity, and Spina Bifida clinics. Students will learn the functional neuromuscular exam, become familiar with physical and occupational therapy, adaptive equipment and orthoses and will get exposure to chemodenervation procedures as a part of spasticity management. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.
Although there are limited opportunities to work with pediatric residents during the clinical portion of the elective, there are opportunities to work with PM&R residents. Moreover, regular attendance at pediatric resident conferences is encouraged.
**Course Duration:** 4 weeks (2 week electives provided with pre-approval).  
**Evaluation Method:** Clinical evaluation.

**PED 405  PEDIATRIC EMERGENCY MEDICINE**  
Fulfills Emergency Medicine requirement
The student will work in a busy urban pediatric emergency department and level 1 Trauma Center staffed by full-time pediatric emergency attendings and fellows. The goals of the rotation include the development of skills necessary to rapidly assess and treat the ill or injured child. Students will be exposed to and gain skills in a variety of emergency procedures in children. Participation in weekly emergency conferences and monthly ED Grand Rounds will be expected. Topics include splinting, wound management and a variety of ED related medical discussions. A variety of shifts over the course of 24 hours and weekends are required. Proof of influenza vaccination will be required for those electing to do the course during Flu season. This elective provides a close working relationship with pediatric residents during their required emergency medicine months.
**Course Duration:** 4 weeks  
**Evaluation Method:** Clinical evaluation and a power point presentation.

**PED 407  PEDIATRIC HEALTHY GENERATIONS – TEEN PARENT PROGRAM**
Healthy Generations at Children’s National is a “Teen-Tot” clinic offering medical care and comprehensive social work and mental health services for Teen Parents and their Children. Students will have the opportunity to assist in evaluating patients in the multi-disciplinary Generations medical clinic, providing preventative well child care, anticipatory guidance, as well as providing medical care for adolescent parents to include routine gynecological care, STD testing and counseling, and contraceptive care. Students will have the opportunity to work with members of the multi-disciplinary case-management team to learn about community resources available to support adolescent parents as well as accompany team-members on community based visits. Proof of influenza vaccination will be required for those electing to do the course during Flu season. No weekends or call.
Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.
**Course Duration:** 2 or 4 weeks  
**Evaluation Method:** Clinical (subjective) evaluations. Students will also be encouraged to complete a project within the Generations program.

**PED 408  BREASTFEEDING MEDICINE**
This elective is an introduction to breastfeeding medicine. Students spend the majority of their time in outpatient and inpatient lactation clinics in the DC Metropolitan area; however, students will also participate in in-home consults as well. Additional education is provided through didactic sessions and independent study. Proof of influenza vaccination will be required for those electing to do the course during Flu season. As many of the clinics and experiences will be off of the Children’s National campus, personal transportation is required.  No weekends or call.
There may be a limited exposure to resident conferences. Approximately 25% of the clinical experiences may provide exposure to pediatric residents participating in their continuity clinic or NICU / well-baby nursery rotation.
**Course Duration:** 2 weeks  
**Evaluation method:** Clinical evaluation; online exam

**PED 409  PEDIATRIC HELP TEAM**
Elective offers an opportunity to learn how to approach a medically complex pediatric patient on the inpatient hospitalist complex care service: to review and critically assess the medical record and to prioritize both acute and chronic medical care issues. The student will develop management care plans that address medical problems, social issues, and case management concerns that may impact a child’s care. The student will also be able to attend hospitalist conferences. No weekends or call. Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences. Proof of influenza vaccination will be required for those electing to do the course during Flu season.
**Course Duration:** 2 weeks  
**Evaluation Method:** Clinical evaluation.
# PHARMACOLOGY

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<th>Course Director</th>
<th>Contact for Course Information</th>
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<tr>
<td>PHAR 501*</td>
<td>Readings in Pharmacology</td>
<td>Vincent Chiappinelli, PhD</td>
<td>Dr. Chiappinelli</td>
<td>Ross Hall 640</td>
<td>994-3541</td>
<td>994-2870</td>
<td><a href="mailto:vac@gwu.edu">vac@gwu.edu</a></td>
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*Indicates a course which may be taken for a two-week duration

**PHAR 501 Readings in Pharmacology**
Offered in weeks 12-25 and 29-40 only
Readings in the pharmacological literature; discussions and preparation of a report. Students work with a member of the Department of Pharmacology & Physiology on such topics as chemical dependencies, psychopharmacology, pain management, chemotherapy, cardiovascular drugs, OTC drugs, or other topics of mutual interest. **This course must be pre-arranged with faculty member and requires early contact with Dr. Chiappinelli to make such arrangements.** Student is required to read copy of guidelines for Pharmacy 501.
**Report:** Contact Course Director for Information – Course must be pre-arranged with Dr. Chiappinelli.
**Course Duration:** 2 or 4 weeks
**Evaluation Method:** Paper.
## PHYSICAL MEDICINE & REHABILITATION

<table>
<thead>
<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone #</th>
<th>Fax #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDIS 389</td>
<td>Physical Medicine and Rehabilitation- Pain Medicine</td>
<td>Mehul Desai, MD</td>
<td>Roya Navid</td>
<td>The GW Spine &amp; Pain Center</td>
<td>715-5213</td>
<td>715-4759</td>
<td><a href="mailto:mavid@mfa.gwu.edu">mavid@mfa.gwu.edu</a>, <a href="mailto:mdesai@mfa.gwu.edu">mdesai@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

*Indicates a course which may be taken for a two-week duration

### *IDIS 389 Physical Medicine and Rehabilitation- Pain Medicine*

This rotation will focus on the physiatric evaluation of chronic pain and musculoskeletal disorders in an outpatient setting. Core skills will include history taking and physical examination. Radiographic review will also be emphasized. Care coordination, and working with other specialties including physical therapy, orthopaedic surgery, neurosurgery and neurology is expected. Exposure to interventional spine procedures and medical management.

**Report:** 8 AM
The GW Spine & Pain Center
2131 K Street NW, 20037
**Course Duration:** 2 or 4 weeks
**Evaluation Method:** Clinical (subjective) evaluation, Power Point presentation topic or article review.
## PSYCHIATRY

<table>
<thead>
<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
<th>Location</th>
<th>Phone #</th>
<th>Fax #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCHI 302</td>
<td>3rd Year Psychiatry Clerkship</td>
<td>Julia Frank, MD</td>
<td>Shaira Morales</td>
<td>ACC 8-408</td>
<td>2/741-2871</td>
<td>2/741-2809</td>
<td><a href="mailto:smorales@mfa.gwu.edu">smorales@mfa.gwu.edu</a>, <a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>PCHI 379</td>
<td>Inpatient Psychiatry Acting Internship</td>
<td>Navid Rashid, MD</td>
<td>Dr. Frank</td>
<td>NVMHI</td>
<td>2/741-2865</td>
<td>2/741-2809</td>
<td><a href="mailto:Navid.Rashid@dbhds.virginia.gov">Navid.Rashid@dbhds.virginia.gov</a>, <a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
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<tr>
<td>PCHI 381</td>
<td>Inpatient Psychiatry Acting Internship</td>
<td>TBA</td>
<td>Dr. Frank</td>
<td>GWU Hospital</td>
<td>2/741-2865</td>
<td>2/741-2809</td>
<td><a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>PCHI 382</td>
<td>Psychiatric Consultation – Liaison Service</td>
<td>Lorenzo Norris, MD</td>
<td>Dr. Norris, Dr. Frank</td>
<td>GWU Hospital</td>
<td>2/741-2865</td>
<td>2/741-2809</td>
<td><a href="mailto:pjorris@mfa.gwu.edu">pjorris@mfa.gwu.edu</a>, <a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>PCHI 387</td>
<td>Psychiatric Research Elective</td>
<td>Paramjit Joshi, MD(Child)</td>
<td>Dr. Frank (CNMC)</td>
<td>CNMC or GWU MFA</td>
<td>2/741/2865</td>
<td>2/741/3554</td>
<td><a href="mailto:pjoshi@childrensnational.org">pjoshi@childrensnational.org</a>, <a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a>, <a href="mailto:mcompton@mfa.gwu.edu">mcompton@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>PCHI 388</td>
<td>Child and Adolescent Psychiatry Acting internship</td>
<td>Dr. Wendell Wu, Dr. Frank</td>
<td>CNMC</td>
<td>210/885/8787 2/741/2865</td>
<td>n/a</td>
<td>n/a</td>
<td><a href="mailto:wwu@childrensnational.org">wwu@childrensnational.org</a>, <a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>PCHI 409*</td>
<td>Independent Studies</td>
<td>Julia Frank, MD</td>
<td>Dr. Frank</td>
<td>ACC 8-408</td>
<td>2/741-2865</td>
<td>2/741-2809</td>
<td><a href="mailto:jfrank@mfa.gwu.edu">jfrank@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

*Indicates a course which may be taken for a two-week duration

### PCHI 379 Inpatient Psychiatry Advanced Internship
Student performs as an acting intern on one of the inpatient psychiatric teams at the Northern Virginia Mental Health Institute (NVMHI) in Fairfax Virginia. The student is expected to have prior psychiatry clerkship experience. NVMHI is a 114 bed state psychiatric hospital that has an acute treatment unit, two progressive treatment wards, an on-site rehabilitation program, and, in addition, is a training site for GWU Department of Psychiatry residents. Students will have exposure to patients with acute psychiatric and substance abuse disorders as well as patients with severe and persistent mental illness. They will attend weekly didactics with PGYII residents. Students must pay NVMHI directly in advance for a background check ($37) and a urine drug screen on the first day ($28) (fees mandated by the state of Virginia). While the hospital is accessible by bus, parking is free.

**Report:** NVMHI Front Desk – Page Dr. Rashid
**Evaluation Method:** Clinical (subjective) evaluation.

### PCHI 381 Inpatient Psychiatry Advanced Internship
The student performs as an acting intern on the University Hospital's inpatient psychiatry service, treating patients with acute psychiatric disorders, and/or combined medical and psychiatric disorders. The student is expected to have prior psychiatry and internal medicine clerkship experience. He/she will have the primary responsibility, acting directly under the attending, for the evaluation and treatment of assigned psychiatric inpatients from admission to discharge. Other responsibilities may include supervision and teaching of third year medical students doing their clerkship, attendance at grand rounds and other resident didactics. Required written reports will include daily progress notes and discharge summaries. Elective papers such as literature reviews or full case reports with discussion may be submitted by the student to augment his/her experience. Additional faculty: Department staff.

**Report:** GW Hospital – 6 South
**Course Duration:** 4 weeks
**Evaluation method:** Clinical (subjective) evaluation.

### PCHI 382 Psychiatric Consultation-Liaison Service – GWUMC
Student must have completed a psychiatry clerkship. Student performs as an acting intern on the Consultation-Liaison Service in the Department of Psychiatry. The student will have the opportunity to work with specific medical and surgical departments that have developed formal liaison relationships with the Psychiatry department and with third year psychiatry residents. CL AIs also attend residency didactic seminars. Faculty Course Instructors: James Griffith, MD, and Lorenzo Norris, MD.

For course registration contact Dr. Frank, jfrank@mfa.gwu.edu

**Report:** GWUH 6S
**Course duration:** 4 weeks
**Evaluation method:** Clinical (subjective) evaluation.
PCHI 387 Psychiatry research elective 2-8 weeks
The department of psychiatry has two active research programs. Before registering, students interested in child psychiatry research should discuss with Dr. Pramjit Joshi what projects are ongoing at Children’s National Medical Center and which ones might accept a student for a given period of time.

Students interested in a 4 week experience in adult psychiatry research may elect to work on an ongoing study of hospitalized patients with a first episode of non-affective psychosis. Responsibilities may include attendance at team meetings, conducting literature reviews, assistance with participant recruitment and informed consent, observing and assisting with clinical research assessments (e.g., SCID, PANSS), exposure to data entry and data analysis, and preparing a manuscript for publication. The student will develop an understanding of the various phases of clinical research (e.g., human subjects protections, research design, recruitment, data collection, data entry, data analysis, manuscript preparation) and gain a deeper appreciation of research issues relevant to first-episode psychosis.

Faculty: Michael T. Compton, M.D., M.P.H., Department of Psychiatry and Behavioral Sciences
Contact Information: 202-741-3554 / mcompton@mfa.gwu.edu

History of Medicine Research Elective
This intensive elective provides an in-depth case-study approach to the history of medicine in the nineteenth and twentieth centuries. Students will become familiar with primary sources in the history of medicine and readings will be tailored to the student's particular areas of interest. It will be expected that the student will have a topical research interest that will be ongoing during the course and will result in development of an original contribution to the field by the end of the rotation.

Faculty: Amir Afkhami, MD 202-741-2900 aafkhami@mfa.gwu.edu

PCHI 388 Child and Adolescent Psychiatry
Student must have completed a psychiatry clerkship. Student performs an acting-internship in evaluation and treatment of child and adolescent inpatients and their families. Individualized program by arrangement. Actual assignments based on student - preference and prior experience, within limits of feasibility for elective period involved. Additional faculty includes Drs. Robb, Dr. Salpekar and Dr. Joshi.
Report: Contact Course Director, Dr. Wendell Wu wwu@childrensnational.org
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation; case description and presentation.

PCHI 390-393 Extramural Psychiatry Elective
The department may permit students to spend elective periods at other institutions. Information on electives at some other medical schools is available from Dr. Julia Frank (jfrank@mfa.gwu.edu). She also has information on an HIV psychiatry elective given in September under the sponsorship of the American Psychiatric Association. Students must apply and be accepted by another school's or organization's elective to receive credit for this course.
Available to G.W. students only.

PCHI 409 Psychiatry Independent Studies
Various faculty of the department of psychiatry at the MFA and at CNMC are available to mentor students who wish to do independent studies. Students should contact Dr. Julia Frank 202-741-2865 jfrank@mfa.gwu.edu, to be matched with faculty that share interest in a particular area of research.

International Psychiatric Public Policy Elective
This intensive elective provides an in-depth case-study approach to international psychiatric public policy. Students will follow recent global trends in psychiatry and will develop an original contribution to the field by the end of the rotation.

Faculty: Amir Afkhami, MD 202-741-2900 aafkhami@mfa.gwu.edu
**RADIOLOGY**

<table>
<thead>
<tr>
<th>Course Designation</th>
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<th>Contact for Course Information</th>
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<th>Fax #</th>
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</thead>
<tbody>
<tr>
<td>RAD 381*</td>
<td>Vascular Interventional Radiology</td>
<td>Anthony Venbrux, MD</td>
<td>Elizabeth Ignacio, MD</td>
<td>Shundra Dinkins</td>
<td>GW Hospital 112</td>
<td>2/741-3018</td>
<td>715-5161</td>
</tr>
<tr>
<td>RAD 383 &gt;</td>
<td>Clinical Radiology</td>
<td>Jocelyn Rapelyea, MD</td>
<td>Paula Edelen</td>
<td>ACC – DC level</td>
<td>2/741-3003</td>
<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
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<tr>
<td>RAD 390</td>
<td>Extramural Radiology</td>
<td>Jocelyn Rapelyea, MD</td>
<td>Paula Edelen</td>
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<td>2/741-3003</td>
<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>RAD 404</td>
<td>GI/GU Radiology</td>
<td>Jocelyn Rapelyea, MD</td>
<td>Paula Edelen</td>
<td>ACC – DC level</td>
<td>2/741-3003</td>
<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
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<tr>
<td>RAD 405</td>
<td>Acute/ER Radiology</td>
<td>Jocelyn Rapelyea, MD</td>
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<td>ACC – DC level</td>
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<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
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<tr>
<td>RAD 406</td>
<td>Trauma/Bone Radiology</td>
<td>Jocelyn Rapelyea, MD</td>
<td>Paula Edelen</td>
<td>ACC – DC level</td>
<td>2/741-3003</td>
<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>RAD 407</td>
<td>Women’s Imaging</td>
<td>Jocelyn Rapelyea, MD</td>
<td>Paula Edelen</td>
<td>ACC – DC level</td>
<td>2/741-3003</td>
<td>741-3011</td>
<td><a href="mailto:jrapelyea@mfa.gwu.edu">jrapelyea@mfa.gwu.edu</a>, <a href="mailto:pedelen@mfa.gwu.edu">pedelen@mfa.gwu.edu</a></td>
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</tbody>
</table>

*Indicates a course which may be taken for a two-week duration

> Indicates a course which must be reserved by arrangement with the Course Director

**RAD 381 Vascular Interventional Radiology**
A two or four week subspecialty radiology elective focusing on vascular and interventional radiology. The goals are to orient the student to the vascular and interventional radiology section and to become familiar with the full variety of special procedures which are performed by this section. The student will take an active role in working up the patients, performing and following patients post-procedure. Faculty includes: Elizabeth Ignacio, MD and Shawn Sarin, MD

Report: GW Hospital, 2nd Floor, Interventional Radiology Control Room (Rm 2); Cardiac Cath Lab Area - 7:30 am

Course Duration: 2 (preferred) or 4 weeks

Evaluation method: Clinical (subjective) evaluation.

**RAD 383 Clinical Radiology**
Offered weeks 6-13 only

Space must be reserved with the dept. prior to the match.

Students will be assigned to rotate and observe various sections in the University Hospital’s Department of Radiology. The department considers this a basic course in radiology and urges students to use this for their introductory clinical radiology course. Additional faculty includes the full departmental faculty.

Report: ACC – DC level Radiology section; 8:00am

Course Duration: 4 weeks (Offered only in August and September [weeks 6-13] by arrangement with the Radiology Dept.)

Evaluation method: Seminar performance; Clinical (subjective) evaluation; written examination, paper/presentation is optional but required for consideration for the Honors grade.

**RAD 390-392 Extramural Radiology Elective**
Participation in a radiology program at another medical center, by signature approval of the course director. Available to G.W. students only.

**RAD 404 GI/GU Radiology**
Offered weeks 14 –21; 28-35 and 40-43 only

A one month course focusing on aspects of gastro-intestinal and genito-urinary radiology. This is a subspecialty training in radiological diagnosis to prepare students interested in a career path involving the aforementioned areas. Students will rotate in GI, ultrasound, CT and interventional.

Report: ACC - DC level; 8:00am

Course Duration: 4 weeks


**RAD 405 Acute/ER Radiology**
Offered weeks 14 –21; 28-35 and 40-43 only

A full month in radiology with special dedication to the aspects of Acute Radiology. This subspecialty training in radiological diagnosis will prepare students for a career path involving the aforementioned areas. Students will rotate in Chest, CT, Bone and Neuro Radiology.

Report: ACC DC level; 8:00am

Course Duration: 4 weeks

RAD 406 Trauma/Bone Radiology
Offered weeks 14 – 21; 28-35 and 40-43 only
A full month in radiology with special dedication to the aspects of Trauma/Bone Radiology. This subspecialty training in radiological diagnosis will prepare students for a career path involving the aforementioned areas. Students will rotate in Bone, Spine and Neuro Radiology.
Report: ACC DC level; 8:00am
Course Duration: 4 weeks

RAD 407 Women’s Imaging
Offered weeks 14 – 21; 28-35 and 40-43 only
A full month in radiology with special dedication to the aspects of Women’s Health Radiology. This subspecialty training in radiological diagnosis will prepare students for a career path involving the aforementioned areas. Students will rotate in Ultrasound, Mammography and Chest Radiology.
Report: ACC DC level; 8:00am
Course Duration: 4 weeks
## SURGERY

<table>
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<tr>
<th>Course Designation</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>SURG 303</td>
<td>3rd Yr Surgery Clerkship</td>
<td>Khashayar Vaziri, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a> <a href="mailto:kvaziri@mfa.gwu.edu">kvaziri@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>SURG 353*</td>
<td>Otolaryngology – Head/Neck Surgery</td>
<td>Steven Bielamowicz, MD</td>
<td>Jessica Ruiz</td>
<td>ACC Voice Treatment Center</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:sbielamowicz@mfa.gwu.edu">sbielamowicz@mfa.gwu.edu</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>SURG 354*</td>
<td>Otolaryngology – Head/Neck Surgery</td>
<td>Michael Nathan, MD</td>
<td>Dr. Nathan</td>
<td>Private Office 6355 Walker Lane Alexandria, VA</td>
<td>7313-0373</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>SURG 355*</td>
<td>Otolaryngology – Head/Neck Surgery</td>
<td>David Bianchi, MD</td>
<td>Pat Cavey Jessica Ruiz</td>
<td>Suburban and Holy Cross Hospital</td>
<td>301-754-7236</td>
<td>301-236-5357</td>
<td><a href="mailto:dbianchi@aol.com">dbianchi@aol.com</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a> <a href="mailto:caveyp@holycrosshealth.org">caveyp@holycrosshealth.org</a></td>
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<tr>
<td>SURG 358*</td>
<td>Tropical Otolaryngology</td>
<td>Adam Shapiro, MD</td>
<td>Dr. Shapiro</td>
<td>St Thomas, VI</td>
<td>n/a</td>
<td>n/a</td>
<td>See course description for details and address.</td>
</tr>
<tr>
<td>SURG 378</td>
<td>Intensive Care Unit</td>
<td>Arthur St.Andre, MD</td>
<td>Lashawn Williams</td>
<td>WHC</td>
<td>877-7259</td>
<td>877-7258</td>
<td><a href="mailto:Arthur.St.Andre@Medstar.net">Arthur.St.Andre@Medstar.net</a> <a href="mailto:Lashawn.Williams@medstar.net">Lashawn.Williams@medstar.net</a></td>
</tr>
<tr>
<td>SURG 380&gt;</td>
<td>General Surgery and Surgical Oncology</td>
<td>Paul Lin, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:plin@mfa.gwu.edu">plin@mfa.gwu.edu</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
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<td>SURG 382&gt;</td>
<td>Laparoscopic/Colorectal Surgery</td>
<td>Vincent Obias, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:vobias@mfa.gwu.edu">vobias@mfa.gwu.edu</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
</tr>
<tr>
<td>SURG 385*</td>
<td>Plastic/Reconstructive Surgery</td>
<td>Elizabeth Marshall, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:emarshall@mfa.gwu.edu">emarshall@mfa.gwu.edu</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
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<td>SURG 388</td>
<td>Vascular Surgery</td>
<td>Bao-Ngoc Nguyen, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:bnnnguyen@mfa.gwu.edu">bnnnguyen@mfa.gwu.edu</a> <a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
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<tr>
<td>SURG 390-395</td>
<td>Extramural Surgery</td>
<td>Juliet Lee, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a> <a href="mailto:jcllee@mfa.gwu.edu">jcllee@mfa.gwu.edu</a></td>
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<tr>
<td>SURG 400&gt;</td>
<td>General Surgery and Trauma</td>
<td>Juliet Lee, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a> <a href="mailto:jcllee@mfa.gwu.edu">jcllee@mfa.gwu.edu</a></td>
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<tr>
<td>SURG 402</td>
<td>Burns</td>
<td>Marion Jordan, MD</td>
<td>Dr. Jordan</td>
<td>WHC</td>
<td>877-7347</td>
<td>877-7302</td>
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<td>Ped 375*</td>
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<td>______</td>
<td>Jessica Ruiz</td>
<td>n/a</td>
<td>741-3157</td>
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<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

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> Indicates a course which must be reserved by arrangement with the Course Director

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### *SURG 353 Otolaryngology/Head and Neck Surgery*

Reservation required in weeks 2-13

Space must be reserved with the dept. prior to the lottery.

Students will participate in the work-up and care of out-patients and in-patients. Students will participate in surgery and ER consultations. Night call is voluntary. Additional faculty includes: Drs. Steven Bielamowicz, Nader Sadeghi, Philip Zapanta, Ameet Singh, Houtan Chaboki and Tom Troost.

**Report:** Contact Course Coordinator, Jessica Ruiz

**Course Duration:** 2 or 4 weeks (Offered July-September [weeks 2-13] by arrangement with the surgery dept.; open enrollment weeks 14-45)

**Evaluation method:** Clinical (subjective) evaluation; Seminar performance.

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### *SURG 354 Otolaryngology/Head and Neck Surgery*

A clinical elective covering all aspects of ear, nose and throat disorders, including otolaryngologic allergy, audiology, head and neck cancer, and facial plastic surgery. Opportunity to participate in office, hospital, and operating room activities.

**Report:** Contact Course Director

**Course Duration:** 2 or 4 weeks

**Evaluation method:** Clinical (subjective) evaluations.
SURG 355 Otolaryngology/Head and Neck Surgery
This course will provide an exposure to all aspects of Otolaryngology – Head and Neck Surgery in a private practice setting. Students will work intimately with Dr. David Bianchi and partners along with senior otolaryngology residents in suburban, Maryland. Students will be exposed to operative care at Suburban and Holy Cross Hospitals. Additional faculty include: Dr. Ken Hauck, Dr. Valerie Asher, Dr. Brian Driscoll, Jeff Robin, PA-C/OTO.
Report: Contact Pat Cavey – 301 754-7236
Course Duration: 2 or 4 weeks

SURG 358 Tropical Otolaryngology
A unique opportunity to be involved with the medical and surgical care of diseases of the ear, nose and throat. All aspects of clinical otolaryngology are covered including audiology, vestibular disorders, head and neck surgery and pediatric ENT. Housing may be available. For information contact Adam Shapiro, MD, 9150 Estate Thomas, Suite 111, St. Thomas, VI
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation.

SURG 378 Intensive Care Unit
This course, highly rated by students, is an introduction to the management of the medical and surgical problems of acutely ill surgical patients, including cases involving trauma; neurosurgery; cardiovascular-thoracic, abdominal, and orthopaedic surgery. Excellent rotation for students interested in medicine or surgery. Over 200 patients per month are treated for vital organ dysfunction secondary to many surgical pathologies. (The student will participate in patient evaluation, presentation and management including intensive care procedures.) Additional faculty of internal medicine critical care physicians include: Drs. R. DiPhillips, G. Sample, M. Hockstein, Brian Lee, Patrick Cullinan, Molly Sarumi. Night call 2-3 times in 4 weeks. Washington Hospital Center
Report: Surgical Critical Care 4B42
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation.

SURG 380 General Surgery and Surgical Oncology
Reservation required in weeks 2-13
Space must be reserved with the dept. prior to the lottery.
Active participation in both inpatient and outpatient surgical care. Assignment to Dr. Lin’s Team Adkins. Significant time in operating room, and on the wards managing patients. Emphasis on complex gastrointestinal, oncologic diseases and hepatobiliary, pancreatic and bariatric surgery. Additional faculty: Dr. Bruce Abell and Dr. Lynn Abell. Night call every fourth night.
Report: Contact Course Coordinator Jessica Ruiz for information.
Course Duration: 4 weeks (Offered July-September [weeks 2-13] by arrangement with the surgery dept; open enrollment weeks 14-45)
Evaluation Method: Clinical (subjective) evaluation.

SURG 382 Laparoscopic and Colorectal Surgery
Reservation required in weeks 2-13
Space must be reserved with the dept. prior to the lottery.
Emphasis on complex colorectal and laparoscopic surgery. Night call every fourth night. Team Blades Additional faculty: Vincent Obias MD, Subodh Arora, MD, Fred Brody, MD.
Report: Contact Course Coordinator
Course Duration: 4 weeks (Offered July-September [weeks 2-13] by arrangement with the Surgery Department; open enrollment weeks 14-45)
Evaluation method: Clinical (subjective) evaluation.

SURG 385 Plastic and Reconstructive Surgery
Reservation required in weeks 2-13
Space must be reserved with the dept. prior to the lottery.
This course includes experience in the full spectrum of plastic and reconstructive surgery in adult age groups, including congenital anomalies, cosmetic surgery, neoplasms of the head and neck, facial trauma, benign and malignant skin lesions, hand surgery, burns, microsurgery, breast surgery. Responsibilities in the operating room, at the bedside and in the clinic are combined with participation in a busy conference schedule and daily contact with all of the subspecialty resident and faculty members. Additional faculty: Dr. Michael Olding and Dr. Joanne Lenert.
Report: Contact the course coordinator
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation.

SURG 390-395 Extramural Surgery Elective
The department permits students to spend one or more elective period at other institutions. Students must have the approval of the chairman of the department. Available to G.W. students only.
Evaluation method: Variable.
SURG 400 General Surgery and Trauma

Reservation required in weeks 2-13. Space must be reserved with the dept. prior to the lottery.

Fourth year acting internship in general surgery with focus on general abdominal surgery and comprehensive care of the traumatically injured patient. Significant time spent in the operating room, ICU, and wards. Individual attention with attending and senior residents. Focus on independent learning and management of ward and ICU patients, supervision of third year medical students. Call – every 4 nights. Team DePalma Additional Faculty: Drs. Sarani, Lee and Vaziri

Report: GW Hospital – AM Rounds – Contact the course coordinator
Course Duration: 4 weeks (Offered July-September [weeks 2-13] by arrangement with the surgery dept; open enrollment weeks 14-45)
Evaluation method: Clinical (subjective) evaluations.

SURG 388 Vascular Surgery

Fourth year acting internship in vascular surgery with focus vascular disease. Significant time spent in the operating room, ICU, and wards. Individual attention with attending and senior residents. Focus on independent learning and management of ward and ICU patients, supervision of third year medical students. Call – every 4 nights. Additional Faculty: Drs. Neville, Babrowicz, Arora, Rahbar and Nguyen.

Course Duration: 4 weeks (Offered July-September [weeks 2-13] by arrangement with the surgery dept; open enrollment weeks 14-45)
Evaluation method: Clinical (subjective) evaluations.

SURG 401 Peripheral Vascular Surgery

The goal of the course is to introduce students to the physiologic basis for an approach to peripheral vascular disease. Students will initially be assigned to the chief vascular technician in the recently updated non-invasive laboratory. After learning modern diagnostic techniques (to include observations of contrast arteriography) the student will be expected to follow the patient once admitted, through surgery, and into the post-operative period. Students will have the opportunity to participate in the course director's clinic as well. Veterans Administration Medical Center.

Report: Contact Course Director
Course Duration: 4 weeks

SURG 402 Burns

Participation in a 10-bed surgical burn intensive care unit with an associated 10-bed rehab unit for recuperating burn patients. Two full-time attendings. One hundred major and 200 minor/rehab/reconstructive patients admitted to the Burn Center every year. Additional faculty includes: James C. Jeng, M.D. Washington Hospital Center.

Report: Contact Course Director
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation.

*PED 375 Pediatric Surgery

Students will participate in a closely supervised surgical service for infants and children, including newborn surgery and surgery for trauma and neoplasms. This elective will partially fulfill the surgical specialty requirements. The elective may be taken for two weeks; however students are encouraged to consider a four-week rotation.

Contact course coordinator, Jessica Ruiz for more information: jruiz@mfa.gwu.edu or 202-741-3157.

Course Duration: 2 or 4 weeks
Evaluation Method: Clinical (subjective) evaluation.

PED 401 Pediatric Otolaryngology

Students will have exposure to otoscopic examination of infants and children; understand the management of common middle ear disorders; and learn evaluation of stridor and airway compromise.

Contact course coordinator, Jessica Ruiz for more information: jruiz@mfa.gwu.edu or 202-741-3157.

Course Duration: 2 or 4 weeks.
Evaluation Method: Clinical (subjective) evaluation.
<table>
<thead>
<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Course Director</th>
<th>Contact for Course Information</th>
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<th>Phone #</th>
<th>Fax #</th>
<th>Email Address</th>
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<td>Clinical Urology</td>
<td>Thomas Jarrett, MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
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<tr>
<td>Ped 373*</td>
<td>Pediatric Urology</td>
<td>H. Gil Rushton MD</td>
<td>Jessica Ruiz</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:hrushton@childrensnational.org">hrushton@childrensnational.org</a></td>
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<td>UROL 390-392</td>
<td>Extramural Urology</td>
<td>Thomas Jarrett, MD</td>
<td>Jessica England</td>
<td>ACC 6B-402</td>
<td>741-3157</td>
<td>741-3285</td>
<td><a href="mailto:jruiz@mfa.gwu.edu">jruiz@mfa.gwu.edu</a></td>
</tr>
</tbody>
</table>

* Indicates a course which may be taken for a two-week duration  
> Indicates a course which must be reserved by arrangement with the Course Director

**UROL 302 Clinical Urology**  
Reservation required in weeks 2-13  
Space must be reserved with the dept. prior to the lottery.

Observation of urologic conditions and procedures for diagnosis and treatment; radiologic and pathologic studies, endoscopy and surgery, collateral reading, weekly staff conference. Additional faculty: Dr. Thomas Jarrett, Dr. Harold Frazier, Dr. Michael Phillips, Dr. R. Andrawis, Dr. Compton Benjamin and Dr. Tiffany Sotelo. Students are to report to residents for orientation and assignments by 7:00am. Page the urology resident for first day instructions.

Report: GW Hospital, 5 North; 7:00am - Contact Course Coordinator, Jessica Ruiz 202 741-2157 or jengland@mfa.gwu.edu for further information.

Course Duration: 4 weeks (Offered July-September [weeks 2-13] by arrangement with the urology dept; open enrollment weeks 14-45)  
Evaluation Method: Clinical (subjective) evaluation.

**PED 373 Pediatric Urology**  
Students will be active participants and have the opportunity to initially evaluate patients in the Children’s out-patient urology clinic. 90% of the diagnoses in the clinic will be conditions that would be typically discovered, evaluated, and often treated in the primary physician’s office. Exposure will be provided in UTI management, obstructive uropathy, prenatal and postnatal hydronephrosis, voiding disorders, differentiating retractile and undescended testes, genital disorders, catheterization techniques and many other less common problems. OR time is optional. This course will fulfill the urology requirement, and can be elected in lieu of UROL 302. No night or weekend call. Additional faculty: Drs. Gil Rushton, A. Barry Belman, Naidaa Kalloo, Hans G. Pohl, and Scott Sparks.

Report: CNMC, Floor 3.5 West Wing, Suite 600; 7:00am for orientation; Contact: Wilhelmina Bradford at wbholmes@childrensnational.org or 202 476-5692

Course Duration: 2 or 4 weeks  
Evaluation method: Clinical (subjective) evaluation.

**UROL 390-392 Extramural Elective in Urology**  
With permission, the student can participate in a (reviewed) urology clerkship in another medical center. Available to G.W. students only. Night call may be required.
TRACK PROGRAM REQUIREMENTS:

Community Health Track: IDIS 354

Outpatient student run clinic experience at Bread for the City medical clinic and Family Medical Counseling Services. The clinics provide primary care to low income DC residents, regardless of their ability to pay. Students will be required to attend a minimum of twelve Tuesday evening sessions during the course of the year. In addition students will be expected to serve on a committee and/or review and update evaluation data, curriculum, training manuals or other special projects deemed necessary by the student steering committee.

Community Health Track students are given registration priority.

Course Duration: In schedule for 4 weeks, but it’s a year long course

Evaluation Method: Clinical (subjective) evaluation; Special Project

Emergency Management: IDIS 361 (TRACK ONLY)

Contact the Office of Student Opportunities for further details at oso@gwu.edu or 202-994-2295.

Global Health: IDIS 349, 350, or 352

IDIS 349: International Volunteer Organizations
See course catalog for descriptions

IDIS 350: International Medical Experience in Third World Service
Medical care in the Third World involves resourceful application of limited resources to often advanced diseases, including some exotic tropical disorders affecting large numbers of very needy people. Health practices of care and prevention are experienced in supervised settings and in challenging environments. Occasional night call as appropriate, approximately every third night. Additional faculty will include John F. Williams, M.D., and others. For additional information see Web Page: http://www.gwu.edu/~intmed.ed.

Report: By arrangement with the Course Director
Course Duration: 4 – 12 weeks
Evaluation method: Clinical (subjective) evaluations; paper; report summarizing experience; seminar performance.

IDIS 352: International Medical Systems
Introduction: The sites associated with this elective are available to 3rd and 4th year medical students who have completed the required rotations in the following areas: internal medicine; family practice; pediatrics; OB/GYN; surgery; and psychiatry. An application will be required and students must be in excellent academic standing. Rotations range from four – eight weeks and are based upon availability.

Course Duration: Variable

Contact Course Director/Coordinator for information
Evaluation Method: Clinical (subjective) Evaluation; Paper/Report

*Students participating in third party international electives will also sign up for this elective (IDIS 352). You will need to submit a program description, a CV, and a statement of interest to the international medicine programs office in Ross Hall 708.

Health Policy Track: IDIS 360 or IDIS 364

IDIS 360: Health Policy Track Elective (TRACK ONLY)
1. Research electives are available with selected members of Department of Health Policy Faculty and policy placements are available at institutions in the Washington area. These will need to be arranged on a student-by-student basis and information on specific placements will be available at OSO.

2. Six week (or more) placements on Capitol Hill as assistants to Congressional Staff Members are possible. Individuals interested in this possibility should contact OSO.

3. The opportunity to take classes in the SPHHS Health Policy Curriculum also exists. These would be "longitudinal" experiences lasting either 14 or 7 weeks during the Fall and/or Spring. Please consult the SPHHS Web site and notify OSO if you are interested: http://www.gwumc.edu/sphhs/coursesregistration/gradcourses/

4. Dr. Fitzhugh Mullan teaches a 7-week, one-credit class in Health Workforce Policy in the SPHHS curriculum in the latter part of the fall semester. He would welcome Health Policy Track students.

5. Individual electives arranged by students with health policy mentors of their selection are available. Proposals for such electives should be cleared by OSO.

Course Duration: Variable

Contact Course Director/Coordinator for information: Office of Student Opportunities at oso@gwu.edu or 202-994-2295
Evaluation Method: Clinical (subjective) Evaluation

*Please contact the Office of Student Opportunities at oso@gwu.edu with information on your specific project.
IDIS 364: Health Policy/Advocacy

Course: Health Policy/Advocacy
Duration: 2 or 4 weeks
Dates: Offered throughout the year for either a two-week or four-week block. Check with the course director before scheduling.
Description: Each student will undertake a health policy project that will simulate the way a physician would advocate in the public policy arena. Working with the course director or another faculty member, the student will identify a health issue, propose a solution for the issue, determine how to enact the solution and take steps to advance the solution in the public policy arena. The student will use population, epidemiological and other data to describe the issue and evidence-based information to craft the solution. In addition, the student will attend health-related legislative hearings and meetings with government officials and relevant organizations.
Prerequisite: Permission of the course director
Course Director: Eric Rosenthal, MD, MPH
Medical Director, Municipal and Regional Affairs
Child Health Advocacy Institute
Children's National Medical Center

Integrative Medicine: IDIS 353

Students will learn the definition, the philosophy and the practice principles of integrative medicine. The application of these principles will be demonstrated with a wide variety of patients who bring with them complex medical conditions. These diagnostic and management plans may include laboratory testing and treatment modalities not used in conventional medicine but are always based on good science and longstanding traditions of practice. The students are encouraged to develop critical thinking, challenge what is being taught and incorporate what is appropriate for each individual student.

The Center is staffed with experts and experienced practitioners in their own fields and are eager to share their knowledge with interested students. Students will often have a first hand experience in some of the treatment modalities, e.g. Reiki, when there is such an opportunity. At the least, students will observe CAM (Complementary and Alternative Medicine) practices, such as, naturopathic medicine, acupuncture, herbal and homeopathic medicine, manual manipulation-chiropractic, hypnotherapy, and nutritional counseling. They will also observe how the members of the Center staff work together as an integrative team in the care of their patients.

There are weekly staff meetings where there are guest lecturers, presentations by CIM staff, case reviews and journal reviews. Students will have weekly meetings with Dr. Kogan to review current journal articles. Students are also encouraged to write a short paper on a topic of their choice in integrative medicine. Interested students are strongly urged to visit the Center website, www.IntegrativeMedicineDC.com, to learn more about the Center, its staff and its programs.

Medical Education Leadership: IDIS 351

Practice of Medicine/The Clinicians as Medical Educator
This senior elective will develop the participant’s teaching skills in the clinical setting. Principles of adult learning theory, effective teaching techniques and evaluation of performance, including effective methods of giving feedback to trainees, are presented in didactic sessions. There is emphasis upon how to teach clinical skills effectively. This theory is put into practice by the participant in the elective, who serves as an instructor for freshman or sophomore students in physical diagnosis and interviewing, and an evaluator of their performance during standardized patient examinations. By serving as teacher and evaluator, the participant enhances his/her own clinical skills.

The course is credited as a four week elective, although required activities take place episodically during the fourth year. Several alternate dates for participation in required activities are offered. The participant is evaluated on the basis of attendance at all required activities, review of 28 videotapes of performance-based examinations, and feedback from faculty and from the students who have been taught clinical skills by the participant. Additional faculty includes: Drs. Benjamin Blatt, Larrie Greenberg, and Ms. Rhonda Goldberg. Seminars are in the evening. 4 week credit for participation in year long course
Evaluation method: Clinical (subjective) evaluations; seminar performance.

Research: IDIS 363 (TRACK ONLY)

Research Track Elective
Students must participate in a research project for a minimum of 4-weeks. This can be a continuation of a past project or involvement of a new project. Students must submit their research project topic to the Office of Student Opportunities.
Course Director: Office of Student Opportunities
Duration: 4-weeks