

*The George Washington University
School of Medicine and Health Sciences*

SENIOR COURSE CATALOG

CLASS OF 2010

Fourth Year Calendar 2009-2010

Week 1	Assumed Vacation	June 26-July 5, 2009
Week 2		6 July – 12 July 2009
Week 3		13 July – 19 July 2009
Week 4		20 July – 26 July 2009
Week 5		27 July – 2 August 2009
Week 6		3 August – 9 August 2009
Week 7		10 August – 16 August 2009
Week 8		17 August – 23 August 2009
Week 9		24 August – 30 August 2009
Week 10		31 August – 6 September 2009
Week 11		7 September – 13 September 2009
Week 12		14 September – 20 September 2009
Week 13		21 September – 27 September 2009
Week 14		28 September – 4 October 2009
Week 15		5 October – 11 October 2009
Week 16		12 October – 18 October 2009
Week 17		19 October – 25 October 2009
Week 18		26 October – 1 November 2009
Week 19		2 November – 8 November 2009
Week 20		9 November – 15 November 2009
Week 21		16 November – 22 November 2009
Week 22		23 November – 29 November 2009
Week 23		30 November – 6 December 2009
Week 24		7 December – 13 December 2009
Week 25		14 December – 20 December 2009
Week 26		21 December – 27 December 2009
Week 27		28 December – 3 January 2010
Week 28		4 January – 10 January 2010
Week 29		11 January – 17 January 2010
Week 30		18 January – 24 January 2010
Week 31		25 January – 31 January 2010
Week 32		1 February – 7 February 2010
Week 33		8 February – 14 February 2010
Week 34		15 February – 21 February 2010
Week 35		22 February – 28 February 2010
Week 36	Required Senior POM Course	1 March – 7 March 2010
Week 37	Required Senior POM Course	8 March – 14 March 2010
Week 38	Required Senior POM Course	15 March – 21 March 2010
Week 39	Required Senior POM Course	22 March – 28 March 2010
Week 40		29 March – 4 April 2010
Week 41		5 April – 11 April 2010
Week 42		12 April – 18 April 2010
Week 43		19 April – 25 April 2010
Week 44		26 April – 2 May 2010
Week 45		3 May – 9 May 2010
Graduation		16 May 2010

TRACK PROGRAM REQUIREMENTS:

4TH YEAR ELECTIVES

Community Health Track: IDIS 354

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.

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation; Special Project

Emergency Management: IDIS 361 (TRACK ONLY)

Contact the Office of Student Opportunities for further details at oso@gwumc.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/~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 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. Mullan teaches two 7-week, one-credit classes in the SPHHS and he would welcome HP track students in the classes. He teaches Health Workforce Policy and The Policy Narrative.
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@gwumc.edu or 202-994-2295

Evaluation Method: Clinical (subjective) Evaluation

** Please contact the Office of Student Opportunities at oso@gwumc.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

Integrative Complementary Medicine

Students will spend two weeks observing complementary alternative medicine practiced in an integrative program. Students will observe a wide range of practices – Reiki, acupuncture, chiro, massage, nutritional counseling, etc. He/She will also participate in the weekly patient management meeting.

Report: 10 am Center for Integrative Medicine, 908 New Hampshire Avenue, Suite 200. Contact: Barbara Boston

Course Duration: 2 weeks

Evaluation method: Participation; short paper on CAM

Medical Education Leadership: IDIS 351

Practice of Medicine/The Clinician 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 include 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

Length: 4-weeks

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 the availability of a course by contacting Harolyn Johnson or Dean Haywood in the Dean’s Office (202 994-2202). 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 12, 2009
Spring Semester Faculty Notification – December 4, 2009

*******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 the 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 4 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." That '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.

Student's Name: _____	Today's Date: _____
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Course to be Dropped

Dept _____ Course# _____ Course Director : _____

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.**

Course to be Added

Dept _____ Course# _____ Course Director : _____

Starting week: _____ for _____ weeks Course Dates: _____ to _____

Reason: _____

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

Course Director _____ Date _____

Signature Required

Comments:

PERMISSION TO TAKE OFF-CAMPUS ELECTIVES

Please print

Name: _____ Date: _____

Name of Host Institution: _____

Course Title/Specialty: _____

Signature Approval Required by (GWUSOM) Course Director:

Course Director's Signature- Required

Dates of Course – from _____ to _____

Preceptor or Contact Name : _____

Preceptor or Contact Number: _____

How is this course listed on your schedule: _____
(i.e., med390; med391, surg390; ped391, etc.)

Does this fulfill a requirement? _____ Which requirement? _____

How can we reach you while you're away:

Email address: _____

Please check your email on a regular basis, all class messages will be sent via email.

Cell phone number: _____ Home phone voice message: _____

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.

CONTACT INFORMATION

Office Address:

George Washington University School of Medicine and Health Sciences
Dean's Office
2300 I Street, NW – Ross Hall 713W
Washington, DC 20037
Telephone: 202 994-2202/994-2987
Fax: 202 994-0926

E-mail addresses:

Jim Scott MD
Dean
msdjl@s@gwumc.edu

Yolanda Haywood, MD
Assistant Dean for Student Affairs
msdych@gwumc.edu

Harolyn Johnson
Executive Coordinator for Student Affairs
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Affairs

Leigh Anne Gebara
Executive Associate to the Dean
202 994-2977
msdlag@gwumc.edu

THIRD YEAR CLERKSHIP DIRECTORS/COORDINATORS

Dept.	Director	Phone	Coord	Phone/Fax	Rm/Flr.
Psych	Julia Frank MD	741-2865	Shaira Morales	741-2871/2891	ACC 8 403
Medicine	Robert Jablonover, MD	741-2203	Dana Brent	741-2187/2185	ACC 2-105
OB/GYN	Charles Macri, MD	741-2520	John Shafer Nykhiah Betts	741-2532/2518 741-2510	ACC 6A-409 ACC 6A-409
Prim Care	Matthew Mintz, MD	741-2194	Dana Brent	741-2187/2185	ACC 2-105
Surgery	Juliet Lee, MD jlee@mfa.gwu.edu	741-3187	Jessica England	741-3157/3285	ACC 6B-402
Ped	Terry Kind, MD tkind@cnmc.org	476-3022	Wilhelmina Bradford wbholmes@cnmc.org	476-5692/4741	CNMC
Neurology	Philip Pearl, MD	476-2120	Coordinator	476-2654	CNMC

Email addresses for faculty and staff at GWUMC: (initial of first name+the last name) name@mfa.gwu.edu.

Ex: jdoe@mfa.gwu.edu . Please note, there may be some exceptions for common last names, such as jlee@mfa.gwu.edu (Dr. Juliet Lee)

Email addresses for Childrens: (initial of first name+first seven letters of last) name@cnmc.org. Ex: gwashing@cnmc.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

For Your Information

3rd Year Courses:

MED301	Primary Care Clerkship
MED305 -	Internal Medicine Clerkship
OB&G303	Obstetrics and Gynecology Clerkship
PCHI302	Psychiatry Clerkship
PEDS303	Pediatrics Clerkship
SURG303	Surgery Clerkship
NEUR395	Neurology Clerkship

ANATOMY

Course Designation	Course Title	Course Director	Location	Contact for Course information	Contact Telephone #	Fax #	Email Address
Anat 279*	Applied Regional Anatomy	Frank Slaby, Ph.D	Ross Hall 210	Dr. Slaby	2/994-8813		anafxs@gwumc.edu
Anat 291**	Special Projects in Anatomy	Frank Slaby, Ph.D	Ross Hall 210	Dr. Slaby	2/994-8813		anafxs@gwumc.edu
Anat 501*	Didactic Anatomy	Kurt Johnson, PhD	Ross Hall 214	Dr. Johnson	2/994-8284	994-8885	anakei@gwumc.edu

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

**Can be scheduled for two weeks only

***ANAT 279 APPLIED REGIONAL ANATOMY**

Regional dissection, guided readings, weekly discussions.

Report: Contact Course Director

Course Duration: 2 weeks or 4 weeks – Offered weeks 18-43 (but not in 20/21; 38/39; 44/45).

Evaluation method: Clinical (subjective) evaluation.

****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: May be taken for 2 weeks only

Evaluation method: Clinical (subjective) evaluation.

****ANAT 501 DIDACTIC ANATOMY**

Course offered in weeks 32/33 and 34/35 only.

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 the Course Director.

Course Duration: 2 weeks

Evaluation method: Clinical (subjective) evaluation; paper.

ANESTHESIA

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact #	Fax #	Email address
Anes302*	Introduction to Anesthesia	Ronald Guritzky, MD	Roya Navid	GW Hosp 6220	2/715-4753	715-4759	rguritzky@mfa.gwu.edu
Anes380>	Anesthesia Sub Internship	Ronald Guritzky, MD	Roya Navid	GW Hosp 6220	2/715-4753	715-4759	rguritzky@mfa.gwu.edu
Anes 384	Intensive Care Unit	Danielle Davison, MD	Roya Navid	GW Hosp G150	2/715-	715-4759	ddavision@mfa.gwu.edu
Anes387*	Pain Medicine	May Chin MD	Roya Navid	2131 K St. , 6 th floor	2/715-4750	715-4759	chinm@gwu.edu
Anes390	Extramural Anesthesia	R. Guritzky, MD	Dr. Guritzky	GW Hosp G2092	2/715-4753		rguritzky@mfa.gwu.edu

* 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

Open enrollment weeks 22-45 only – other weeks by arrangement (space available) only

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

This course is intended as an introduction to the specialty of anesthesiology. Students will develop an understanding of the anesthetic preoperative evaluation and the perioperative 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 departments' 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 Hosp 6220 –7:00 am

Course Duration: 2 weeks

Evaluation method: Clinical (subjective) evaluation, written examination and seminar performance.

>ANES 380 CLINICAL ANESTHESIOLOGY

Fulfills anesthesia requirement

Reservation required in weeks 2-21

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

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 Anesthesiology and Critical Care Departments

Report: GWU Hospital 6220 - - 7:00 a.m.

Course Duration: 4 weeks (**Offered July – November (weeks 2-21) by arrangement with the Course Coordinator; open enrollment weeks 22-45**)

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 six 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) and Dr. Jalil Ahari (Medicine).

Report: 5th Floor ICU, 7:45 am. ICU Fellow's Number: 715-6141

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation-80% and 15 Minute presentation & Pre-test/Post test (objective)-20%.

***ANES 387 PAIN MEDICINE**

The student will be exposed to a variety of painful conditions including spine related pain (back and neck), neuropathic pain, cancer pain. The goals and objectives are to learn to take a focused history pertaining to the presenting pain complaint, perform a focused physical and neurological examination and discuss management options related to the pain. Most of the patients seen are outpatients. Students will also learn to apply the same principles in the evaluation of inpatient consultations.

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 and oral presentation.

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 G.W. students only.

Evaluation method: Variable.

BIOCHEMISTRY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Bioc 290	Extramural Biochemistry	Glenn Walker PhD	Dr. Walker	Ross Hall 557	2/994-8473		bcmgaw@gwumc.edu
Bioc 501*	Issues in Clinical Nutrition	Glenn Walker PhD	Dr. Walker	Ross Hall 557	2/994-8473		gawalker@gwu.edu

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

BIOC 290 EXTRAMURAL BIOCHEMISTRY ELECTIVE

The department may permit selected students to spend one or more elective periods at other institutions. This course available to G.W. students only.

***BIOC 501 ISSUES IN CLINICAL NUTRITION**

Course offered in weeks 32/33 only

This course is a two-week reading/seminar course in which a number of current topics in human nutrition will be studied. Each student will be required to write a status paper and give a seminar on one such topic.

Report: Contact Course Director

Course Duration: 2 weeks – Weeks 32/33 only

Evaluation method: Paper; seminar performance

EMERGENCY MEDICINE

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
>Emed 302	Emergency Medicine	Tenagne Haile-Mariam MD	Anna Barsan	ACC 2B	2/741-2914	741-2921	thailemariam@mfa.gwu.edu abarsan@mfa.gwu.edu
Emed350	Wound Management	Jim Marinucci	Jim Marinucci	ACC 2B	2/741-2924	741-2921	jmarinucci@mfa.gwu.edu
Emed390	Extramural Emergency Medicine	Dr. Haile-Mariam	Anna Barsan	ACC 2B	2/741-2911	741-2921	thailemariam@mfa.gwu.edu abarsan@mfa.gwu.edu
Emed504	Emergency Medicine Research	Dr. Jeremy Brown	Dr. Brown	ACC 2B	2/741-2902	741-2921	jbrown@mfa.gwu.edu
Emed505*	Internat'l Emergency Medical Systems	Jeffrey Smith, MD	Dr. Smith	ACC 2B	2/741-2911	741-2921	jsmith@mfa.gwu.edu
Emed506	International Emergency Medicine	Jeffrey Smith, MD	Dr. Smith	ACC 2B	2/741-2911	741-2921	jsmith@mfa.gwu.edu
Emed508*	Health Policy Issues	Steven Davis MD	Dr. Davis	ACC 2B	2/741-2911	741-2921	stdavis@mfa.gwu.edu
Emed514*	<i>Online</i> - Selected Topics in Emerging and Re-Emerging Infectious Diseases	Larissa May, MD	Dr. May	ACC 2B	2/741-2911	741-2921	lmay@mfa.gwu.edu
Emed515*	Death and Dying: Grim Reaper 101	Ryanne Mayersak MD	Dr. Mayersak	ACC 2B	2/741-2911	741-2921	ree@mfa.gwu.edu
Emed516*	Wilderness Medicine	Janna Baker MD	Dr. Baker	ACC 2B	2/741-2911		jbaker@mfa.gwu.edu

* 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 with the dept. prior to the match.

Reservation required for weeks 2-13

Required clerkship for senior medical students. Students will work approximately 16 clinical shifts at GW Emergency Department and Prince George's Hospital Center Emergency Department. Both are high acuity, high volume departments with Level 1 Trauma designation. 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 suture lab, regularly scheduled student conferences, required readings and Grand Rounds. This course is a pre-requisite for all elective rotations in Emergency Medicine. Night call - 5-6 shifts.

Report: 10:00am, Department of Emergency Medicine Conference Room, GWU Hospital Emergency Medicine Department, 1st floor, 900 23rd Street, N. W. - Contact Coordinator for additional information.

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

Evaluation method: Clinical (subjective) evaluation; written examination and seminar performance

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 or 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 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

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 week 44/45 only
Evaluation:

EMED 506 INTERNATIONAL EMERGENCY MEDICINE ELECTIVE

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-Miriam, MD
Students should contact the department at least six months before the elective is planned.

EMED508 HEALTH POLICY ISSUES IN EMERGENCY MEDICINE**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.
Additional faculty: Robert Shesser, MD
Report: Contact Course Director
Course Duration: 2 weeks
Evaluation Method: Paper; Seminar performance

EMED514 SELECTED TOPICS IN EMERGING AND RE-EMERGING INFECTIOUS DISEASES; A CASE-BASED MULTI-SPECIALTY ONLINE COURSE**Offered in weeks 16/17, 18/19, 20/21, 32/33, 34/35, 40/41 and 42/43 only**

As physicians in any specialty, you may be the first one to detect the sentinel case for an outbreak. Are you prepared? Find out by taking this innovative online course. Need more flexibility in your schedule? Then this is the option for you—sign up for this course when you will be studying for the boards, interviewing, or traveling—but complete the course at a convenient time for you before, during or after your assigned two-week period.

Choose one of four specialty-specific modules: Internal Medicine/Emergency Medicine, Pediatrics, Neurosciences, and Surgery/Critical Care. This course will focus on selected topics in emerging and re-emerging infections such as tuberculosis, influenza, nosocomial infections and their recognition and management. The course will also address general principles of infection control practices and biological containment plans for healthcare facilities. Topics will be tailored to each specialty area for greater relevance to your future career.

Complete the cases, powerpoint lectures and selected readings and activities at your own pace from anywhere in the world! Work through the modules on your own or pair up with a friend! The course instructor will be available by email for questions or assistance.

Evaluation will be based on completion of selected activities, an online “open-book” quiz, as well as a final paper on a selected topic of interest approved by the instructor—you may work in pairs on the paper but you must complete your own quiz and other graded assignment. The course will be taught entirely via blackboard—no classroom time required.

Students who sign up for the course anytime in the Fall Semester (July 1st through December 31st) will need to turn in their completed assignments no later than December 15th. Students who sign up for the course anytime in the Spring Semester (January 1st through May 15th) will need to turn in their completed assignments no later than April 15th.

Contact Course Director 1 week prior to start of course for information.

Course Duration: Offered in available weeks as a distance education online based course which can be completed from anywhere where internet access is available. No classroom attendance required. Instructor will be available by email. GW Students only.

Evaluation Method: Paper; Other

EMED 515 DEATH AND DYING; GRIM REAPER 101**Offered in weeks 20/21**

Discussion course 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.

Course Duration: 2 weeks

Evaluation: Seminar Performance and journal

EMED516 WILDERNESS MEDICINE**Offered in weeks 40/41 only**

A two-week elective consisting of lectures, practicals, skill sessions, and scenarios intended to expose the students to practicing medicine in an austere environment. Students will have the opportunity to practice skills and apply knowledge through interactive role playing in nearby wilderness environments. Additional faculty: Reed Smith, MD
Contact: Janna Baker, MD jbaker@mfa.gwu.edu 202 741-2914

INTERDISCIPLINARY MEDICINE

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
IDIS349	Volunteer Organizations	Huda Ayas, EdD	Amanda Tuffli	Ross 708	2/994-4844	994-0074	impawt@gwumc.edu
IDIS350	Intrnl Medical Experience in Third World Service	Glenn Geelhoed MD	Dr. Geelhoed	Ross 741	2/994-4428	994-0926	msdgwg@gwumc.edu
IDIS351	Clinician as Medical Educator	Jim Blatt, MD Larrie Greenberg, MD	Geetha Ananthakrishnan 994-5431	ACC 5-421	2/741-2237	994-0926	msdbcb@gwumc.edu msdgsa@gwumc.edu
IDIS352	Intrnl Medical Systems	Huda Ayas	Amanda Tuffli	Ross 708	2/994-4844	994-0074	impawt@gwumc.edu impawt@gwumc.edu
IDIS353*	Integrative Complementary Medicine	John Pan MD	Barbara Boston	908 New Hampshire	2/833-5055		jpan@mfa.gwu.edu
IDIS354	Community Health Care	Lisa Alexander	Lisa Alexander	GW Hosp Rm 6188	2/994-0659	994-2636	lalexander@gwumc.edu
IDIS360	Health Policy Track <i>Track Program only</i>	Track Program	oso@gwumc.edu	Ross 718	2/994-2295	994-4740	oso@gwumc.edu
IDIS361	Emergency Management <i>Track Program only</i>	Track Program	oso@gwumc.edu	Ross 718	2/994-2295	994-4740	oso@gwumc.edu
IDIS363	Research Track <i>Track Program only</i>	Track Program	oso@gwumc.edu	Ross 718	2/994-2295	994-4740	oso@gwumc.edu
IDIS364	Health Policy/Advocacy	Eric Rosenthal MD	Dr. Rosenthal	CNMC			erosenth@cnmc.org

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

***IDIS 349 INTERNATIONAL VOLUNTEER ORGANIZATIONS**

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. Operation Smile will cover Air Travel; Lodging and Meals.

Project MEDISHARE Thomonde, Haiti

This senior clinical elective allows GWUMC medical students to experience the healthcare system in the central plateau of Haiti. Students who choose this clinical rotation will gain a better understanding of infectious diseases, HIV/AIDS, Tuberculosis and other related healthcare issues that are continuing to plague Haiti. Students will also be able to offer their expertise in the areas of patient care; training and education programs and lecturing. Students must also perform standard clinical duties while in Haiti, and are expected to work closely with a designated Project Medishare healthcare mentor, who will supervise and evaluate the students' progress.

Course Duration: Two weeks maximum for Operation Smile; Up to eight weeks for Project Medishare

Report: Operation Smile – Students report to a selected mentor for the country chosen; Project Medishare – Students will report to Ms. Marie Chery, RN, Program Director

Evaluation: Clinical (subjective) Evaluation; Reflection paper based on experience; photos.

Operation Heartbeat – Kashmir, Pakistan

Operation Heartbeat conducts medical and surgical missions to Kashmir, Pakistan. Participating in these missions provides medical students with a unique learning opportunity. It will enrich and diversify their medical education in a different physical setting and provides quality patient care to the people of Kashmir. Dr. Farzad Najam, a GWUMC faculty is the contact person and vice president of Operation Heartbeat.

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 351 PRACTICE OF MEDICINE/THE CLINICIAN 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 videotapes of performance-based examinations, and feedback from faculty and from the students who have been taught clinical skills by the participant. Additional faculty include Drs. Benjamin Blatt, and Larrie Greenberg. Seminars are in the evening.

4 week credit for participation in year long course

Evaluation method: Clinical (subjective) evaluations; seminar performance.

IDIS352 INTERNATIONAL MEDICAL SYSTEMS

Introduction: The following sites 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

ASIA AND THE SOUTH PACIFIC

Mahatma Gandhi Medical College and Hospital - Jaipur, India

This elective allows 3rd and 4th year GWUMC medical students the opportunity to experience the Indian Health Care system. Students may participate in clinical electives for up to 8 weeks at Mahatma Gandhi Hospital in Jaipur, India. Mahatma Gandhi Medical College will also provide GW students with free housing during their clinical rotation. Students are expected to work closely with a designated faculty mentor, who will evaluate the student's progress.

Nippon Medical School - Tokyo, Japan

This senior elective provides GWUMC medical students with a medical and cultural experience to help foster a better understanding of the evolution and operation of their emergency medical systems (EMS). Students will be exposed to differences in medical and postgraduate education, EMS system design, and hospital operations. At the end of the program, students will have a better understanding of how the emergency medical system serves its target population and will be better able to function in a future that will have an increased interdependency among countries. Students are expected to work closely with a designated faculty mentor, who will evaluate the student's progress.

Kelaniya University - Colombo, Sri Lanka

This senior clinical elective allows GWUMC medical students to experience the healthcare system of Sri Lanka. Students may select a variety of specialties, mainly obstetrics and gynecology; pediatric; surgery and infectious disease that plague the poor areas. 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. Kelaniya University offers complimentary lodging for visiting medical students.

Hue Medical College - Hue, Vietnam

This senior clinical elective allows GWUMC medical students to experience the healthcare system of Vietnam. Students may select a variety of specialties, mainly obstetrics and gynecology; pediatric; surgery and infectious disease. 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.

CARIBBEAN, LATIN AND SOUTH AMERICA

Sabin Vaccine Institute - Minas Gerais, Brazil

This elective is an opportunity for GWUMC medical and public health students to participate in patient-oriented research in hookworm vaccine clinical trial sites located in rural northeastern 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.

Universidad Latina de Costa Rica - San Jose, Costa Rica

This senior clinical elective allows GWUMC medical students to experience the Costa Rican healthcare system through clinical rotations 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; however diseases that do plague Costa Rica are Malaria and Dengue Fever. Costa Rica is a very small nation; however, the student will gain knowledge of the importance of the diseases that are not so much known of in the United States. 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.

Project MEDISHARE - Thomonde, Haiti

This senior clinical elective allows GWUMC medical students to experience the healthcare system in the central plateau of Haiti. Students who choose this clinical rotation will gain a better understanding of infectious diseases, HIV/AIDS, Tuberculosis and other related healthcare issues that are continuing to plague Haiti. Students will also be able to offer their expertise in the areas of patient care; training and education programs and lecturing. Students must also perform standard clinical duties while in Haiti, and are expected to work closely with a designated healthcare mentor, who will evaluate the student's progress.

St. Lucia College of Medicine and Health Sciences - Rodney Bay, St. Lucia

This senior clinical elective allows GWUMC medical students to experience the healthcare system of St. Lucia more through Tropical Medicine; and other tropical diseases that plague many Latin American and Caribbean regions. Students must perform standard clinical duties or research whichever field is chosen and are expected to work closely with a designated faculty mentor, who will evaluate the student's progress.

EUROPE**Max Kade Fellowship Program - Vienna, Austria**

The senior clinical elective allows GWUMC medical students to experience a different system of quality medical care as seen in Austria. The students acquire specific knowledge along with a broader, more international view of medicine. Students may choose from an array of specialties. Students must be able to perform standard clinical duties while in Vienna and are expected to work with a designated faculty mentor, who will evaluate the student's progress. This elective is offered once a year to GW students during the month of February. The Max Kade Foundation offers scholarships to those qualified medical students. The scholarship will cover transportation to and from Austria, room and board.

University of Graz - Graz, Austria

The senior clinical elective allows GWUMC medical students to experience a different system of quality medical care as seen in Austria. The students acquire specific knowledge along with a broader, more international view of medicine. Students may choose from an array of specialties. 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 Echanges Franco-Americains (MICEFA) - Paris, France

This senior elective allows GWUMC medical students to experience the French healthcare system through clinical rotations at participating hospitals in the Mission Interuniversitaire de Cooperation Des Echanges Franco-Americains (MICEFA) consortium in Paris, France. Students may select any clinical specialty or basic science research area at any of the fifteen Paris institutions. 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.

University of Malta - Valletta, Malta

This senior clinical elective allows GWUMC medical students to experience the Maltese healthcare system through clinical rotations at St. Lukes General Hospital. Students may select any clinical specialty or basic science, however Thalamessia, Dermatology and Diabetes offer a very unique opportunity beyond what we have available at home. Students must also 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.

THE MIDDLE EAST**Alexandria University School of Medicine (AUSM) - Alexandria, Egypt**

This senior clinical elective allows GWUMC medical students to experience the healthcare system through clinical rotations at four hospitals in Alexandria, Egypt. Amiry Hospital and Shatby Hospital with specializations in Obstetrics and Gynecology, the Pediatric Hospital and El Hadara Hospital with specializations in Orthopedics and Neurology. Students must be able to perform standard clinical duties while in Alexandria and gain a better understanding of Schistosomiasis, which is a major health risk in Egypt. Medical students will work with a designated faculty mentor, who will evaluate the student's progress.

Jordan Hospital - Amman, Jordan

This senior clinical elective allows GWUMC medical students to experience the Jordanian healthcare system through clinical rotations at Jordan Hospital. 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

This senior clinical elective allows GWUMC medical students to experience the healthcare system at AUB, which offers comprehensive healthcare services and extensive tertiary resources through its specialized care units. Students may choose from a variety of specialties that are offered at AUB. 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

This senior clinical elective allows GWUMC medical students to experience yet another area of the Lebanese healthcare system through clinical rotations at (HHUMC) which offers clinical clerkships 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

This senior clinical elective allows GWUMC medical students to experience the Lebanese healthcare system through clinical rotations at TRAD Hospital, a small private hospital in Beirut, Lebanon. Students may select a clinical rotation from an array of specialties; however the most notable health issue 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.

***IDIS353 INTEGRATIVE COMPLEMENTARY ALTERNATIVE MEDICINE**

Students will spend two weeks observing complementary alternative medicine practiced in an integrative program. Students will observe a wide range of practices – Reiki, acupuncture, chiro, massage, nutritional counseling, etc. He/She will also participate in the weekly patient management meeting.

Report: 10 am Center for Integrative Medicine, 908 New Hampshire Avenue, Suite 200. Contact: Barbara Boston

Course Duration: 2 weeks

Evaluation method: Participation; short paper on CAM

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

IDIS361 EMERGENCY MANAGEMENT

For Track Students Only. Contact the Office of Student Opportunities for further details at oso@gwumc.edu or 202 994-2295.

IDIS364 HEALTH POLICY/ADVOCACY

Each student will undertake one or both of the following projects, depending on his or her interests and whether the course is two or four weeks: 1. A health policy 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 evidenced-based information to craft the solution. 2. Supervised placement working on a project in a community-based organization or governmental agency focusing on health policy. In addition, the student will attend health-related legislative hearings and meetings with government officials and relevant organizations.

Course Duration: 2 or 4 weeks

Evaluation Method: Paper; Report

MEDICINE

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Med 301	3 rd yr Clerkship in Primary Care	Matthew Mintz MD	Dana Brent	ACC 2-105	2/741-2187	741-2185	dbrent@mfa.gwu.edu
Med305	3 rd yr Clerkship in Medicine	Robert Jablonover, MD	Dana Brent	ACC 2-105	2/741-2187	741-2185	dbrent@mfa.gwu.edu
Med 332	Acting Internship – GW Hospital	Farida Millwala MD	Dana Brent	ACC 2-105	2/741-2187	741-2185	dbrent@mfa.gwu.edu fmillwala@mfa.gwu.edu
Med 333	Acting Internship - Inova Fairfax Hospital	Alita Mishra, MD	Jennifer Ettridge	Inova Frfax Hosp	7/776-3249	776-3020	Jennifer.Ettridge@inova.com
Med 334	Acting Internship Veterans Med Ctr	Dragica Mrkoci, MD	Roland DeLeon	VA Med Ctr	2/745-8471	745-8184	Roland.Deleon@med.va.gov Dragica.Mrkoci@med.va.gov
Med 336	Medical Intensive Care	Burton Lee, MD	Gaitri Tiwari	WHC	2/877-7856	291-0386	Burton.w.lee@medstar.net Gaitri.Tiwari@medstar.net
Med338*	Occup/Environ Medicine	Samuel Scott, MD	Dr. Scott	1120 19 th St NW	2/463-6698	223-6525	sscott@woha.com
Med 340*	Electrocardiography	Marco Mercader, MD	Monica Jenkins	ACC 4-414	2/741-2323	741-2324	mmercader@mfa.gwu.edu mjenkins@mfa.gwu.edu
Med 341	Primary Care and Health Services Research	Matthew Mintz MD	Dr. Mintz	ACC 2-114	2/741-2187	741-2185	mmintz@mfa.gwu.edu
Med 342*	Geriatric/Palliative Medicine	Elizabeth Cobbs MD	Dr. Cobbs	ACC 2-105	2/741-2191	741-2791	ecobbs@mfa.gwu.edu
Med 343	Advanced Clinical Experience in Primary Care	Matthew Mintz MD	Dana Brent	ACC 2-105	2/741-2187	741-2185	mmintz@mfa.gwu.edu dbrent@mfa.gwu.edu
Med 344	Supervised Ambulatory Experience	Matthew Mintz MD	Dana Brent	ACC 2-105	2/741-2187	741-2185	mmintz@mfa.gwu.edu dbrent@mfa.gwu.edu
Med 350*	Infectious Diseases	Debra Benator, MD	Jackie Jennings	VA Med Ctr 2CS/ID	2/745-8301	745-8432	Jackie.Jennings@med.va.gov Roland.Deleon@med.va.gov
Med 351	Infectious Diseases	Afsoon Roberts, MD	Dr. Roberts	ACC 5-411	2/741-2234	741-2241	aroberts@mfa.gwu.edu
Med 352	Clinical Cardiology	Marco Mercader, MD	Monica Jenkins	ACC 4-414	2/741-2323	741-2324	mmercader@mfa.gwu.edu mjenkins@mfa.gwu.edu
Med 358	Clinical Cardiology	Joseph Lindsay, MD	Gaitri Tiwari	WHC	2/877-7597	877-2247	Gaitri.Tiwari@medstar.net
Med 360	Clinical Cardiology	Steve Singh MD Pamela Karasik MD	Roland DeLeon	VA Med Ctr	2/745-8471 2/745-8545		Roland.Deleon@med.va.gov
Med 363	Intensive/Coronary Care	Rahul Khosla MD Nitin Seam MD	Roland DeLeon	VA Med Ctr	2/745-8657	745-8184	Roland.DeLeon@med.va.gov
Med 364	Intensive Care	Alita Mishra MD	Jennifer Ettridge	Ffax Hos	7/776-3249	698-3020	Jennifer.Ettridge@inova.com
Med 365	Coronary Care	Alita Mishra MD	Jennifer Ettridge	Ffax Hosp	7/776-3249	698-3020	Jennifer.Ettridge@inova.com
Med 372*	Endocrin/Diabetes	Joshua Cohen MD	Dr. Cohen	ACC 3-416	2/741-2489		jcohen@mfa.gwu.edu
Med 373	Endocrinology/ Metabolism	Kenneth Becker MD Eric Nylen MD	Roland DeLeon	VA Med Ctr	2/745-8300		Roland.Deleon@med.va.gov
Med 374*	Podiatry/Diabetes Care	Michael Stempel, DPM	Dr. Stempel	ACC 3-416	2/741-2489	741-2490	mstempel@mfa.gwu.edu
Med 375	Endocrinology Research	Kenneth Becker MD	Dr. Becker	VA Med Ctr	2/745-8300		Roland.Deleon@med.va.gov
Med 380 *>	Dermatology Clinic By Reservation only	Karla Gayer MD	Tamika Dunn	ACC 2 nd flr	2/741-2618	741-2622	tdunn@mfa.gwu.edu
Med 390-395	Extramural Internal Medicine Elective	Dr. Chakaborti or Dr. Mintz					
Med 403	Cancer/Primary Care	Steven Krasnow MD Anthony Arcenas MD	Dr. Krasnow	VA Med Ctr	2/745-8175 2/745-4058	745-8131	Steven.krasnow@med.va.gov
Med 405	Medical Oncology	Dennis Priebat, MD	Violet Jamison	WHC	2/877-2505	877-8909	Gaitri.Tiwari@medstar.net
Med 412	Clinical/ Research Gastroenterology/ Hepatology Elective	Marie Borum, MD, EdD, PhD	Dr. Borum	ACC 3-408	2/741-2160		mborum@mfa.gwu.edu
Med 413	Gastroenterology/Hep	Marie Borum, MD	Dr. Borum	ACC 3-408	2/741-2160		mborum@mfa.gwu.edu
Med 414	Gastro/Hepa/Nutrition	Tim Lipman, MD	Resident	VA Med Ctr	2/745-8151	745-8453	Timothy.Lipman@med.va.gov
Med 415	Clinical Gastroenterology	Michael Gold, MD 202 877-7108	Linda Jackson	WHC	2/877-2848	877-8163	Gaitri.Tiwari@medstar.net
Med 423	Clinical Gastroenterology	Nelson Trujillo, MD	Alisha	2021 K St	2/296-3449		Alisha 296-8981
Med 430*	Clinical Hematology	Geraldine Schecter, MD	Dr. Schecter	VA Med Ctr	2/745-8135		Roland.Deleon@med.va.gov
Med 431*	Hematology/Oncology	Robert Siegel, MD	Amanda Kasper	ACC 3-428	2/741-2478	741-2487	rsiegel@mfa.gwu.edu

Med 440	Pulmonary Medicine	PK Rohatgi, MD Nitin Seam MD	Roland DeLeon	VA Med Ctr	2/745-8117	2/518- 4658	Roland.Deleon@med.va.gov Prashant.rohatgi@med.va.gov
Med 442	Pulmonary Diseases	Dr. Levit	Gaitri Tiwari 2/877-8278	WHC	2/877-7856	291-0386	Gaitri.Tiwari@medstar.net
Med 447*	Pulmonary Medicine	Morgan Delaney, MD	Dr. Delaney	ACC 5-426	2/741-2316	741-2238	mdelaney@mfa.gwu.edu
Med 451	Muscu/Connec Tissue	Rodolpho Curiel, MD	Dr. Curiel	ACC 3-416	2/741-2488	741-2490	rcuriel@mfa.gwu.edu
Med 459*	Clin Nephrology	Steven Burka, MD	Dr. Burka	5530 Wisc	3/654-3803	654-3808	
Med 461*	Clin Renal Disease	Samir Patel, MD	Dr. Patel	ACC 1-200	2/741-2283	741-2285	spatel@mfa.gwu.edu
Med 472*	Ofc Prac of Allergy	Nirupma Rohatgi, MD	Dr. Rohatgi	9015 Shady Grove	3/963-0196		
Med 520*	Palliative and Hospice Care	Christina Puchalski MD	Dr. Puchalski	2131 K St NW 510	202 496- 6409	496-6413	hcscmp@gwumc.edu or cpuchalski@mfa.gwu.edu
Med 521*	Clinical Ethics	Katalin Roth, MD Stanley Reiser, MD	Dr. Reiser	Ross Hall 324	202 994- 2972	994-0926	msdsjr@gwumc.edu krath@mfa.gwu.edu
Med 522*	Narratives in and of Medicine	Linda Raphael, PhD	Dr. Raphael	2901 29 th St NW	202 387- 1512		msdlsr@gwumc.edu

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

MED 332 ACTING INTERNSHIP IN MEDICINE AT GWU HOSPITAL

Fulfills AI Requirement

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 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, pulmonology or geriatrics, a special request can be made 2 weeks earlier so that they can be assigned to ward teams pertaining to those specialties.

Report: Course coordinator will contact registered students. For other information contact coordinator Dana Brent.

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 GIIM 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, 4 residents, a critical care fellow, an attending, and up to 2 medical students. The medical student is an integral part of this team and will function as a sub-intern. Students will 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 (in-house). Additional faculty includes: Peter Levit, MD, Gene Colice

MD and Andrew Shorr, MD. Alternate Contact for Course Information: Gaitri Tiwari – gaitri.tiwari@medstar.net – 877-7856. – (Full four week attendance expected – 4 days off). (\$5.00 deposit-free parking)

Report: Must reserve and confirm with the coordinator at WHC eight weeks prior to the rotation

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation, written examination

MED 338 OCCUPATIONAL AND ENVIRONMENTAL MEDICINE

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: 1120 19th Street NW #410; 9:00am (\$5.00 deposit – free parking available)

Course Duration: 2 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 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: 2-8 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 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, and Carmelita Tuazon.
Report: ACC 5-418; 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 various 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: Drs. S. Goldstein; William Suddath; E. Platia, S. Mendelson, S. O'Donoghue, P. Sears-Rogan, Leslie Miller, Jared Widell, Gaby Weissman, 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 cardiac 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 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 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. 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. Additional Faculty includes Drs Michael Irwig and Suzanne Adler.

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 375 ENDOCRINOLOGY RESEARCH

Participation in the endocrinology and metabolism research laboratory. Introduction to the chemical and technical aspects of endocrine research. Participation in ongoing research activities with an emphasis on clinical correlations. Student should contact Dr. Becker.

Course Duration 8-12 weeks

Evaluation method: Clinical (subjective) evaluation; Paper.

MED 380* DERMATOLOGY CLINIC *Reservations required for all rotations.*

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. and Anthony Arcenas, M.D.

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. Korman, Lipman, Marino, Hirsch, Mohi-u-din.

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 activity, and may be called upon to participate in a case presentation at monthly joint GI Grand Round sessions. Night call is not required, but hospital time is extensive and may run to 7:00pm or more.

Report: Washington Hospital Center, Gastroenterology Section

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation; seminar performance.

MED 423 CLINICAL GASTROENTEROLOGY

Introduction to clinical problems in diagnosis and treatment of gastroenterology in office practice. Endoscopy, and biopsies. Call to arrange schedule: Drs. Trujillo and O'Kieffe, alternate months. Faculty also includes: Dr. Donald O'Kieffe.

Report: 2021 K Street NW

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation.

***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

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**

Immersion 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, Allen Mondzac, Reema Batra and Imad Tabbara and other Division of Hematology/Oncology faculty.

Report: ACC Room 3-107; 8:30am

Course Duration: 2 or 4 weeks

Evaluation method: Clinical (subjective) evaluation, written evaluation

MED 440 PULMONARY MEDICINE

Participation in the diagnosis and therapy of patients with pulmonary disease; introduction to the management of patients with acute respiratory failure. Daily ward rounds, chest roentgenology review sessions, participation in Journal Club and physiology conference. Emphasis is placed on acquainting the student with modern pulmonary diagnostic procedures and current literature. Faculty also includes: Drs. S. Spagnolo, R. Khosla, and A. Medinger. VA Medical Center.

Report: Contact Course Director

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) 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

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

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 patients on the inpatient service and write a clinical note each morning. Students will learn to perform a urinalysis and microscopy. Cases are presented during attending rounds each afternoon. Attendance at a weekly renal clinic and all renal conferences are mandatory. Students will also be expected to give brief topical presentations during rounds as assigned by the attending physician. Rotations

are four weeks in duration. Shorter periods must be approved by the course director prior to the start of the rotation. Faculty includes Susie Lew, Manuael Velasquez, Paul Kimmel, Nicolas Guzman, Samir Patel, Sharon Maynard and Lakhmir Chawla.

Report: GW Hospital, Dialysis Unit – 4th floor; 8:30 am

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 32/33 only

This course will teach the basis of palliative care and how to approach the care of patients with serious chronic illness or those who are dying. Issues discussed will be pain management, other symptom management (nausea/vomits, bowel obstruction, dysphagia, delirium, restlessness), common psychological and psychiatric issues, grief and spiritual distress, and ethical issues related to end of life care. Students will also learn communication skills used in caring for seriously ill and dying patients and their families. Students will have an opportunity to see patients in hospice care.

Course Duration: 2 weeks

Evaluation Method: Paper; Seminar performance; exam

***MED 521 CLINICAL ETHICS**

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.

Class meets for two weeks, two hours a day from 3-5; April 26-30, May 3-7, 2010.

***MED 522 NARRATIVES IN AND OF MEDICINE**

Students will read essays and stories that emphasize the narrative (or stories) of medicine. The writers will include medical students, physicians, patients, and others. Students will write short pieces in the style each prefers (e.g., reflection on a reading, "parallel chart"/the story of a patient that does not make it onto the chart; fiction; response to a reading; poetry). Several instructors will participate in the course, emphasizing either aspects of their specialty or their expertise in writing.

Course Duration: 2 weeks

Evaluation Method: Seminar Participation and Short Writings

NEUROLOGY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Neur 380	Clinical Neurology	Phillip Pearl, MD	Course Coordinator	CNMC	2/476-2654	476-5226	ppearl@cnmc.org

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 Thursday afternoon 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. In addition, the neurology and obstetrics-gynecology departments have developed a combined curriculum in neurogenetics that is covered during weeks 1 and 4.

The final week each student should deliver a 15-20 minute presentation on a topic of their choice at their home site (GWU for students at GWU Neurology and Neurosurgery; CNMC for rotations at CNMC, WHC and the VA). GW Neurology and neurosurgery can also present during the second week. A handout including objectives and relevant content for other attendees is expected.

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.

NEUROSURGERY

Course Designation	Course Title	Course Director	Location	Contact Telephone #	Fax #	Email Address
Nsur 380>	Neurosurgery – 4 week <i>(Register for Neur380)</i>	Richard Polin, MD	ACC 7-423	2/741-2750	741-2742	rpolin@mfa.gwu.edu

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

>NSUR 380 CLINICAL NEUROSURGERY

Fulfills Neuroscience requirement

Register for neur 380 and select nsur on the 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.

OBSTETRICS AND GYNECOLOGY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Ob&G303	3 rd Yr Obstetrics & Gynecology Clkshp	Charles Macri MD	Nykihah Betts	ACC 6A-418	2/741-2510		cmacri@mfa.gwu.edu nbetts@mfa.gwu.edu
Ob&g 378	Repro Endocrin and infertility	Molina Dayal, MD, MPH	Nykihah Betts	ACC 6A-418	2/741-2510	741-2518	mdayal@mfa.gwu.edu nbetts@mfa.gwu.edu
Ob&g381	Perinatal Medicine	Susanne Bathgate, MD	Nykihah Betts	ACC 6A-423	2/741-2510	741-2550	sbathgate@mfa.gwu.edu nbetts@mfa.gwu.edu
Ob&g385	Gynecologic Oncology	Paul Mackoul, MD	Nykihah Betts	ACC 6A-423	2/741-2510	741-2550	jlin@mfa.gwu.edu
Ob&g 390	Extramural Obstetrics	John Larsen, MD	Dr. Larsen	ACC 6A-427	2/741-2551		jlarsen@mfa.gwu.edu

OB&G 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)

OB&G381 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

OB&G 385 GYNECOLOGIC ONCOLOGY

This course is designed to afford students experience in patient management of Gynecologic Oncology--which includes gynecologic oncology clinics, oncology surgery cases and chemotherapy and advanced pelvic and minimally invasive surgery. It also includes exposure to complex minimally invasive surgical procedures. Students will be working with Oncology Residents and Dr. Paul MacKoul in Gynecologic Oncology at GWU Hospital and Holy Cross Hospital.
Report: GWU Hospital-- L&D Conference Room --3rd floor 6:30am
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation and oral presentation at the discretion of faculty.

OB&G 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

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Opht 381*>	Clinical Ophthalmology	Bryan Edgington, MD	Renita Thompson	ACC 2A	2/741-2815	741-2821	rthompson@mfa.gwu.edu
Opht 384*	Clin Ophthalmology VA Hosp, West VA	Alla Hynes, MD	Renita Thompson	Martinsburg WV	304 263-0811 ext 3530	2/ 741-2821	rthompson@mfa.gwu.edu
Opht 390	Extramural Ophthalmology	Bryan Edgington, MD	Renita Thompson		2/741-2815	2/741-2821	cgeist@mfa.gwu.edu

* 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, and Deneen Zaetta.

Report: ACC 2A Ophthalmology Clinic; 8:00am to Renita Thompson. Please call/email Ms. Thompson 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.

ORTHOPAEDICS

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Orth 302*	Orthopedic Clerkship –	Panos Labropoulos, MD	Ann Bond	ACC 7-408	2/741-3311	741-3313	abond@mfa.gwu.edu
Orth 380>	Orthopedic Surgery –	Robert Neviaser, MD	Ann Bond	ACC 7-408	2/741-3311	741-3313	abond@mfa.gwu.edu
Orth 390	Extramural Orthopedics	Robert Neviaser, MD	Ann Bond	ACC 7-408	2/741-3311	741-3313	abond@mfa.gwu.edu

* 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

*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

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

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 994-4390 to prearrange.

PATHOLOGY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Path 290	Extramural Pathology	Donald Karcher, MD	Dr. Karcher	Ross 502	2/994-2969	994-2618	sboccanera@mfa.gwu.edu dkarcher@mfa.gwu.edu
Path 296	Surgical Pathology	Sana Tabbara MD	Sandra Boccanera	Ross 502	2/994-2969	994-2618	sboccanera@mfa.gwu.edu stabbara@mfa.gwu.edu
Path 298	Autopsy Pathology	Patricia Latham, MD	Sandra Boccanera	Ross 502	2/994-2969	994-2618	sboccanera@mfa.gwu.edu platham@mfa.gwu.edu
Path 321*	Clin Path/Lab Medicine	Louis DePalma, MD	Sandra Boccanera	GW Hosp	994-2969	994-2618	sboccanera@mfa.gwu.edu ldepalma@mfa.gwu.edu

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

PATH 290-295 EXTRAMURAL PATHOLOGY ELECTIVE

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 intraoperative 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.

Report: Contact Course Director

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation; Seminar performance; composition of pathology reports; attendance at divisional conferences; participation in intraoperative 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/LABORATORY 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

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Ped303	3 rd yr Pediatrics Clerkship	Terry Kind MD	Wilhelmina Bradford	CNMC	2/476-5692	476-4741	tkind@cnmc.org wbolmes@cnmc.org
Ped 360	Peds AI – Hospitalist General Pediatrics/Endocrine	Terry Kind MD	Wilhelmina Bradford	CNMC	2/476-5692	476-4741	tkind@cnmc.org wbolmes@cnmc.org
Ped 361	Peds AI – Hospitalist General Pediatrics/Nephrology	Terry Kind MD	Wilhelmina Bradford	CNMC	2/476-5692	476-4741	tkind@cnmc.org wbolmes@cnmc.org
Ped 362	Peds AI – Hospitalist General Pediatrics/Pulmonology	Folasade Ogunlesi MD	Wilhelmina Bradford	CNMC	2/476-5692	476-4741	fogunles@cnmc.org wbolmes@cnmc.org
Ped 363	Peds AI – Hematology/Oncology	Michael Guerrero MD	Wilhelmina Bradford	CNMC	2/476-2800	476-4741	mguerre@cnmc.org wbolmes@cnmc.org
Ped 365	Peds AI – Hospitalist General Pediatrics at Holy Cross Hospital	Sandra Cuzzi MD	Arlene Grimes	Holy Cross	3/754-7240	754-7154	cuzzis@holycrosshealth.org
Ped 368	Pediatric HIV Infection	Natella Rakhmanina MD	Keetra Williams	CNMC -	2/476-3495	476-4450	nrakhman@cnmc.org kwillia@cnmc.org
Ped 369	Infectious Disease Consult	Barbara Jantausch MD	Wilhelmina Bradford	CNMC	2/476-6151	476-3850	bjantaus@cnmc.org wbolmes@cnmc.org
Ped 371	Community Pediatrics – Advocacy and Mobile Health	Rhonique Shields-Harris MD	Wilhelmina Bradford	CNMC	2/889-3033	889-3008	rshields-harris@cnmc.org
Ped 372*	Evaluation of Child Maltreatment and Advocacy	Allison Jackson MD	Wilhelmina Bradford	CNMC	2/476-6708	476-6997	amccarle@cnmc.org wbolmes@cnmc.org
Ped 373*	Pediatric Urology	H. Gil Rushton MD	Wilhelmina Bradford	CNMC	2/476-5042	476-4739	hrushton@cnmc.org wbolmes@cnmc.org
Ped 375*	Pediatric Surgery	Phillip Guzzetta MD	Yvette Dill	CNMC	2/476-2151	476-4174	pguzzetta@cnmc.org vdill@cnmc.org
Ped 376	Pediatric Neurology	Philip Pearl MD	Neurology Coordinator	CNMC	2/476-2120	476-5226	ppearl@cnmc.org
Ped 378	Medical Genetics	Cynthia Tift MD	Wilhelmina Bradford	CNMC	2/476-2187	476-2390	ctift@cnmc.org wbolmes@cnmc.org
Ped 379	Pediatric Critical Care	Christiane Corriveau MD	Wilhelmina Bradford	CNMC	2/476-2130	476-5724	ccorive@cnmc.org wbolmes@cnmc.org
Ped 380*	Pediatric Gastroenterology	John Snyder MD	Wilhelmina Bradford	CNMC	2/476-3032	476-4156	jsnyder@cnmc.org wbolmes@cnmc.org
Ped 381	Pediatric Allergy and Immunology	Michael Sly, MD	Wilhelmina Bradford	CNMC	2/476-2071	476-5864	wbolmes@cnmc.org msly@cnmc.org
Ped 382	Pediatric Radiology	Alexia Egloff, MD	Wilhelmina Bradford	CNMC	2/476-3628	476-3644	aegloff@cnmc.org wbolmes@cnmc.org
Ped 383	Pediatric Pulmonary Med	Folasade Ogunlesi MD	Wilhelmina Bradford	CNMC	2/476-3519	476-5864	fogunles@cnmc.org wbolmes@cnmc.org
Ped 386	Pediatric Hematology-Oncology Outpatient	Michael Guerrero MD	Wilhelmina Bradford	CNMC	2/476-2800	476-5685	wbolmes@cnmc.org mquerrer@cnmc.org
Ped 388	Neonatal Intensive Care	Billie Short MD	Sylvia McGuire	CNMC	2/476-3314	476-3459	kraisbah@cnmc.org smcguire@cnmc.org
Ped 389	Pediatric Cardiology	Chris Spurney	Brenda Roach	CNMC	2/476-2020	476-5700	cspurney@cnmc.org broach@cnmc.org
Ped 390	Extramural Pediatrics	Terry Kind MD	Wilhelmina Bradford	CNMC	2/476-3022		tkind@cnmc.org wbolmes@cnmc.org
Ped 397*	Pediatric Nephrology	John Hurley MD	Marilyn Silva	CNMC	2/476-3126	476-3475	dmoudgil@cnmc.org msilva@cnmc.org
Ped 398*	Pediatric Sports Medicine	Nailah Coleman MD	Wilhelmina Bradford	CNMC	2/476-4656		ncoleman@cnmc.org wbolmes@cnmc.org
Ped 399	Ambulatory Adolescent Med	Larry D'Angelo MD	Angela Ellis	CNMC	2/476-2178	476-3630	ldangelo@cnmc.org tbrown@cnmc.org
Ped 400	Pediatric Laboratory Medicine	Edward Wong MD	Wilhelmina Bradford	CNMC	2/476-5292	476-2007	nluban@cnmc.org wbolmes@cnmc.org
Ped 401	Pediatric Otolaryngology	Sukgi Choi MD	Wilhelmina Bradford	CNMC	2/476-3852	476-5038	schoi@cnmc.org wbolmes@cnmc.org
Ped 403*	Pediatric Rehabilitation	Sally Evans MD	Jennifer Okusany	CNMC	2/476-3094	2/ 476-5979	shevens@cnmc.org ookusany@cnmc.org
Ped 405	Pediatric Emergency Med	Shireen Atabaki MD	Hilda Rojas	CNMC	2/476-7666	476-3573	hrojas@cnmc.org satabaki@cnmc.org
Ped 406	Plastic and Reconstructive Surgery	Michael Boyajian MD	Nedra Hunter	CNMC	2/476-5297	476-3091	mboyajia@cnmc.org nhunter@cnmc.org

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

On-site parking is \$52.00 per month and is only for AI, NICU, and PICU students. Signed parking forms must be picked in the Medical Education Office.

Elective, computerized training and reporting information will be sent to enrolled students within 3 weeks of each start date.

Contact the Medical Education Coordinator, Wilhelmina Bradford at wbolmes@cnmc.org or 202 476-5692 for all inquiries about electives and their availability.

PED 360 CLINICAL PEDIATRICS AI – AT1 - HOSPITALIST GENERAL PEDIATRICS / ENDOCRINE

Students will admit, manage, and discharge general pediatric and endocrine patients under the supervision of the PL-3, working independently from the interns. Students will demonstrate an enhanced fund of knowledge by independently proposing an evidenced-based plan of assessment and evaluation. They will demonstrate refined critical reasoning skills by identifying the impact and interrelatedness of developmental, emotional, socioeconomic and organic factors. They will communicate effectively with patients, families, and team members during Family Centered Bedside Rounds, and will organize and prioritize the tasks needed to appropriately manage their patients.

Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation

PED 361 CLINICAL PEDIATRICS AI – AT2 - HOSPITALIST GENERAL PEDIATRICS / NEPHROLOGY

Students will admit, manage, and discharge general pediatric and nephrology patients under the supervision of the PL-3, working independently from the interns. Students will demonstrate an enhanced fund of knowledge by independently proposing an evidenced-based plan of assessment and evaluation. They will demonstrate refined critical reasoning skills by identifying the impact and interrelatedness of developmental, emotional, socioeconomic and organic factors. They will communicate effectively with patients, families, and team members during Family Centered Bedside Rounds, and will organize and prioritize the tasks needed to appropriately manage their patients.

Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation

PED 362 CLINICAL PEDIATRICS AI – AT3 - HOSPITALIST GENERAL PEDIATRICS / PULMONOLOGY

Students will admit, manage, and discharge general pediatric and pulmonary patients under the supervision of the PL-3, working independently from the interns. Students will demonstrate an enhanced fund of knowledge by independently proposing an evidenced-based plan of assessment and evaluation. They will demonstrate refined critical reasoning skills by identifying the impact and interrelatedness of developmental, emotional, socioeconomic and organic factors. They will communicate effectively with patients, families, and team members during Family Centered Bedside Rounds; and will organize and prioritize the tasks needed to appropriately manage their patients.

Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation

PED 363 CLINICAL PEDIATRICS AI - INPATIENT HEMATOLOGY/ONCOLOGY

Students will be a full-time Acting Intern in Pediatrics as part of the resident team. Night call is every fourth night. Students will admit, manage, and discharge patients independent of the interns under the supervision of the PL-3; demonstrate an enhanced fund of knowledge by independently proposing an evidenced-based plan of assessment and evaluation; demonstrate refined clinical skills; demonstrate refined critical reasoning skills; identify the impact and interrelatedness of developmental, emotional, socioeconomic and organic factors; communicate effectively with patients, families, and team members during Family Centered Bedside Rounds; and will organize and prioritize the tasks needed to appropriately manage their patients.

Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation method: Clinical (Subjective) evaluation

PED 365 CLINICAL PEDIATRICS AI - GENERAL PEDIATRICS—HOLY CROSS HOSPITAL

Students will be a full-time Acting Intern in Pediatrics as part of the house officer team on inpatient general pediatrics ward. They will attend lectures, conferences, and rounds at Holy Cross Hospital, Silver Spring, MD. Night call is every fourth night. Students will admit, manage, and discharge patients independent of the interns under the supervision of the PL-3; demonstrate an enhanced fund of knowledge by independently proposing an evidenced-based plan of assessment and evaluation; demonstrate refined clinical skills; demonstrate refined critical reasoning skills; identify the impact and interrelatedness of developmental, emotional, socioeconomic and organic factors; communicate effectively with patients, families, and team members during Family Centered Bedside Rounds; and will organize and prioritize the tasks needed to appropriately manage their patients.

Contact: Holy Cross Hospital Medical Education Office - 301 754-7240

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation

PED 368 PEDIATRIC HIV INFECTION

Students will participate in all Special Immunology clinical care activities, multi-disciplinary team meetings, and ongoing research protocols, and participate in a research project (ex chart review, short term project). They will learn about vertical transmission of HIV, management of an infant born to an HIV seropositive mother, clinical course and treatment of pediatric HIV infection. They will also gain exposure to international aspects of HIV care, prevention and operational research.

Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation Method: Clinical (subjective) evaluation, paper and seminar performance

PED 369 PEDIATRIC INFECTIOUS DISEASE CONSULTATION SERVICE

Students will experience in-hospital consultation on various infectious diseases including tropical medicine cases and occult and disseminated infections; management of infections in immunocompromised hosts and other life-threatening conditions; outpatient management of FUO, osteomyelitis and other conditions; appropriate selections and use of anti-microbial and anti-viral agents.
Report: Floor 3.5 West Wing, Suite 600 - 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation Method: Clinical (subjective) evaluations and seminar performance

PED 371 CHILDREN'S HEALTH PROJECT OF DC - MOBILE UNITS

The Children's Health Project of DC was started in 1992 as a program of the National Children's Health Fund. We are located at THEARC in SE Washington accessible by Metro. The program operates mobile medical and dental units that deliver care to uninsured children and children on Medicaid. The mission of the program is to ensure that all children have access to quality healthcare regardless of ability to pay. Our mobile units go to six sites in Wards 5, 6, 7 and 8 of the District. Students doing a rotation with the Children's Health Project of DC will spend time on the mobile units and at our fixed clinical site at DC General. Rotations are four weeks long and the student will be exposed to well and sick child care in a setting where advocacy is a primary focus. Students will be assigned reading during the rotation to highlight the importance of advocacy in the practice of medicine.
Report: Floor 3.5 West Wing, Suite 600 - 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation Method: Clinical (subjective) Evaluations, book assignments and paper

PED 372 EVALUATION OF CHILD MALTREATMENT AND ADVOCACY

Students will experience techniques in diagnosis, treatment and management of child abuse in the in-patient and out-patient setting. This elective offers a comprehensive review of appropriate history taking techniques in child abuse and comprehensive physical examination techniques with a focus on normal and abnormal genital exams as this relates to sexual abuse. Students also participate in the evaluation of physical abuse, with respect to identification, management and treatment. This includes identification of radiographs suggestive of child abuse, assessments of inpatients with Shaken Infant Syndrome, fractures and burns. Students will also work with emergency response team of social workers and psychologists thereby providing exposure to skilled interview techniques and identification of community resources for child abuse victims. Night call is not required.
Report: CNMC: Floor 3.5 West Wing, Suite 600 - 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 2 or 4 weeks
Evaluation Method: Clinical (subjective) evaluation and paper presentation

PED 373 PEDIATRIC UROLOGY

Students will experience clinical approaches to pediatric urological problems on an in-patient and out-patient basis; assessment, diagnostic evaluation and participation in non-surgical; and surgical problems. This course will fulfill the urology requirement, and can be elected in lieu of UROL 302. Only students interested in going into pediatrics or urology should take this elective.
Report: CNMC, Floor 3.5 West Wing, Suite 600 - 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation

PED 375 PEDIATRIC SURGERY

Students will participate in 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.
Report: CNMC: Floor 3.5 West Wing, Suite 600 - 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation and seminar performance

PED 376 (Register for Neur380) PEDIATRIC NEUROLOGY

Students will participate actively in the inpatient and outpatient management of children with a variety of neurologic disorders. They will experience a gamut of diagnostic procedures. They will also participate in regularly scheduled clinical rounds, conferences, and seminars. This course will fulfill the Neuroscience requirement.
Report: CNMC: Floor 4th West Wing, Neurology Suite for orientation
Contact: Neurology Student Coordinator – 202 476-2694
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation

PED 378 MEDICAL GENETICS

Students will experience the principles of basic human genetics with emphasis on the dysmorphic child and syndrome identification. They will have exposure to children with inborn errors of metabolism; receive an introduction to genetic testing used in diagnosis and management; and become exposed to the principles of genetic counseling.

Report: CNMC, Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation method: Case presentation and consultation

PED 379 PEDIATRIC CRITICAL CARE

Students will receive clinical and didactic material on the pathophysiology and treatment of life-threatening illnesses, conditions, or injuries in childhood. Students will be carefully supervised in the care of the patient. Expect to have night call every fourth night, including weekends.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation and case-based power point and written presentation

PED 380 GASTROENTEROLOGY

Student will participate in inpatient and outpatient experiences in GI, Hepatology, Nutrition and Intestinal Rehabilitation. They will participate in weekly teaching conferences.

Report: Floor 3.5 West Wing, Suite 600 - 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 2 or 4 weeks

Evaluation Method: Clinical (subjective) evaluations, oral teaching presentation

PED 381 PEDIATRIC ALLERGY & IMMUNOLOGY

Student will receive an introduction to pediatric allergy and clinical immunology within a clinical setting. Some experience in experimental techniques, pulmonary function testing, and objective methods of clinical evaluation. Offered in weeks 10, 14, 22, 28, 32 and 40 only - Student must have a car to travel to the clinical sites in the D.C. metropolitan area.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation and formal presentation

PED 382 PEDIATRIC RADIOLOGY

Pediatric Diagnostic Imaging and Radiology. Students will 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 a short review paper, perform clinical-radiological correlation on active patients 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 – it is suggested that the student observe two night calls in four weeks.

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 2 or 4 weeks

Evaluation method: Clinical (subjective) evaluation and seminar performance

PED 383 PEDIATRIC PULMONARY MEDICINE

Students will become familiar with the most common pulmonary conditions in both in-patient and outpatient settings; 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 Clinical Disorders: (1) Asthma – Understand the pathophysiology and treatment of asthma from pulmonary perspective. (2) Cystic Fibrosis – inpatient and outpatient management - Understand the clinical presentation, diagnosis and management of CF related problems (pulmonary, nutritional manifestations and complications in cystic fibrosis patients from newborn to adulthood. (3) Medical, surgical, psychological, and social problems of cystic fibrosis patients and their families. (4) Obstructive Sleep Apnea (OSA) and other sleep related childhood problems – understand the pathophysiology and treatment; and understand the principles of sleep studies. (5) Other conditions covered include: Bronchopulmonary Dysplasia, chronic lung diseases and SIDS, Pneumonias, and Pulmonary Function Testing in children with pulmonary diseases.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation method: Clinical (subjective) evaluation and feedback (mid-rotation and end of rotation) by faculty and fellows, written evaluation, case presentation and discussion at end of rotation).

PED 386 PEDIATRIC HEMATOLOGY-ONCOLOGY

Students will be exposed to the diagnosis and management of children with hematologic and oncologic diseases and stem cell transplantation. Laboratory experiences will 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.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation and seminar performance

PED 388 NEONATAL INTENSIVE CARE

Students will observe and participate in the intensive care of infants. Neonatal disease and physiology are emphasized. Suggested - Night call every fourth or fifth night.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation during rounds and evaluation of clinical care of patients during rotation.

PED 389 PEDIATRIC CARDIOLOGY

Student will be a full-time acting participant as part of the pediatric cardiology team. This elective emphasizes physical diagnosis of congenital and acquired heart disease; interpretation of electrocardiograms and echocardiograms; and cardiac catheterization. Optional observations of cardiac surgical procedures is available. Students are expected to participate in departmental conferences.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation

PED 390-395 EXTRAMURAL PEDIATRIC ELECTIVE

Available to GW students only. The department permits students to spend elective periods at other institutions in specialties not included in this document. Students will need signature approval.

PED 397 PEDIATRIC NEPHROLOGY

Students will experience activities that stress the evaluation and management of patients with diseases of the kidney and urinary tract. 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. Students will be involved in ambulatory, inpatient and consultative pediatric nephrology; the clinical experience is thus germane to those ultimately following either primary or tertiary care tracts. Attendance at scheduled conferences expected.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation; Journal Club presentation, and seminar performance

PED 389 SPORTS MEDICINE

Students will receive an introduction to the field of Orthopedics and Sports Medicine. In general, this rotation will include clinic-based and non-clinic activities. There is no call required.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 2 or 4 weeks
Evaluation method: Clinical (subjective) evaluation, case presentations, and journal club presentations.

PED 399 AMBULATORY ADOLESCENT MEDICINE

Students will have outpatient clinic experiences in diagnosis and management of problems of adolescents under supervision of senior staff and Fellows. They will participate in consultative clinics, multidisciplinary interviewing conferences, and medical teaching conferences. The student will attend Adolescent Grand Rounds and twice-weekly conferences with Director of Outpatient Department, Director of Education and/or Department Chairman.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation, mid-rotation feedback, paper, and exit test

PED 400 PEDIATRIC LABORATORY MEDICINE

Students will have exposure to laboratory tests unique to pediatric patients, appropriate selection of laboratory tests, and accurate interpretation of test results and in-depth review of a laboratory case study.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation, seminar performance, and paper (encouraged)

PED 401 PEDIATRIC OTOLARYNGOLOGY

Students will have exposure to the otoscopic examination of infants and children; understand the management of common middle ear disorders; and learn evaluation of stridor and airway compromise.
Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation
Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692
Course Duration: 4 weeks
Evaluation method: Clinical (subjective) evaluation and seminar performance

PED 403 PEDIATRIC REHABILITATION

Students will have exposure to acute and chronic disabling disorders in infants and children; be expected to learn normal neuromuscular development, physical examination with emphasis on neuromusculoskeletal functional exam; and be exposed to electrodiagnostic techniques and chemodeneration. Students will participate in the diagnostic workup of children with disorders such as Cerebral Palsy and neuromuscular diseases, and become familiar with the prescription of braces, adaptive equipment and physical and occupational therapy.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 2 or 4 weeks

Evaluation method: Clinical (subjective) evaluation

PED 405 PEDIATRIC EMERGENCY MEDICINE

Students will be working in a busy urban Pediatric Emergency Department with an annual census >55,000 with exposure to a wide variety of illnesses and injuries. The PED is a level I Trauma Center and is staffed by full-time pediatric emergency attendings and fellows. Tertiary and primary care patients are seen. The goals of the rotation include the development of skills necessary to rapidly assess and treat the ill or injured child. Emphasis is placed on the early identification of the child requiring rapid intervention. Students will be exposed to and gain skills in a variety of emergency procedures in children. Weekly emergency conferences are held Thursdays from 11am-1pm in the ED conference room. Monthly Emergency Department Grand Rounds are held on the 2nd Tuesday of each month from 7-10AM in ED conference room. Topics include splinting, wound management and a variety of ED related medical discussions. One presentation is required. Students are also required to go on two paramedic ride-alongs. Shift times and durations will vary. Weekend hours are required. This elective fulfills the Emergency Medicine requirement.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation

PED 406 PLASTIC AND RECONSTRUCTIVE SURGERY

Students will have exposure to a wide variety of plastic and reconstructive surgery problems in premature infants through adolescents. We focus on the cleft lip and palate, craniofacial disorders, trauma, burn reconstruction, congenital anomalies, and congenital hand anomalies. There are cases that require traveling to other sites. Having a car is helpful but not required.

Report: Floor 3.5 West Wing, Suite 600; 7:30am for orientation

Contact: Wilhelmina Bradford, Coordinator – wbolmes@cnmc.org or - 202 476-5692

Course Duration: 4 weeks

Evaluation Method: Clinical (subjective) evaluation; seminar performance; and clinical participation

PHARMACOLOGY

Course Designation	Course Title	Course Director		Location	Contact Telephone #	Fax #	Email Address
Phar501*	Readings in Pharmacology	Vincent Chiappinelli PhD	Dr. Chiappinelli	Ross Hall 640	2/994-3541		phmvac@gwumc.edu

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

***PHAR 501 READINGS IN PHARMACOLOGY**

Offered in weeks 10-25 and 28-41 only

Readings in the pharmacological literature; discussions and preparation of a report. Student may choose to work with one or more members 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 [proposed 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.

PSYCHIATRY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Pchi302	3 rd yr Psychiatry Clerkship	Julia Frank MD	Shaira Morales	ACC 8-408	2/741-2871		smorales@mfa.gwu.edu jfrank@mfa.gwu.edu
Pchi379	Inpatient Psychiatry Acting Internship	Vicenzio Perkins MD	Dr. Perkins or Dr. Frank	NVMHI	7/645-3172 2/741-2865		Vicenzio.perkins@nvmhi.dmhmsas.virginia.gov
Pchi381	Inpatient Psychiatry Acting Internship	Anton Trinidad MD	Julia Frank, MD	GWU Hosp	2/741-2894	741-2809	atrinidad@mfa.gwu.edu jfrank@mfa.gwu.edu
Pchi382	Psychiatric Consultation – Liaison Service	Lorenzo Norris MD	Dr. Norris Dr. Frank	ACC 8-408	2/741-2893 2/741-2865	741-2809	lnorris@mfa.gwu.edu jfrank@mfa.gwu.edu
Pchi 387	Psychiatric Research Elective	Paramjit Joshi MD	Dr. Joshi	CNMC	2/476-3932		
Pchi 388	Child and Adolescent Psychiatry	Miguel Macaoay MD	Dr. Macaoay	CNMC	2/476-5902		mmacaoay@cnmc.org
Pchi 409*	Independent Studies	Julia Frank MD	Dr. Frank	ACC 8 th fir	2/741-2865		jfrank@mfa.gwu.edu

* 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). 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.

Northern Virginia Mental Health Institute

Report: NVMHI Front Desk – Page Dr. Perkins

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 which is a service that serves patients suffering from not only acute psychiatric crisis but also co-morbid psychiatric and general medical disorders. The student is expected to have prior psychiatry 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 academic activities to be determined by the attending physician. 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: Hospital Cafeteria; 8:00am

Evaluation method: Clinical (subjective) evaluation

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 patients and their families. Services include inpatient, outpatient and day-treatment programs. 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, Pankopf, Thomas, Salpekar and Joshi.

Report: Contact Course Director

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 other medical schools is available. Available to G.W. students only.

PCHI 409 INDEPENDENT STUDIES

Individualized studies, clinical training, or research experience. Selections on basis of student interest, personal interview, and available resources. Possible subjects may include cross cultural psychiatry, women's issues in psychiatry, eating disorders, community psychiatry, psychoanalytic theory, depression, forensic psychiatry, medical education (curriculum development, etc.) or other psychiatry and behavioral science interests of the student and available faculty. Additional sites include community agencies such as The Multicultural Human Services Center,, Community Addictions Treatment Service at Fairfax Hospital, Psychiatric Institute of Washington (PIW). Students may apply to APA sponsored special experience in HIV psychiatry typically offered in early September and to NIMH advanced clerkship.

Additional faculty: Department Staff, voluntary faculty and outside faculty of selected programs. Student must arrange elective in advance.

Report: Contact Course Director

Course Duration: 2 - 8 weeks

Evaluation method: Clinical (subjective) evaluation or paper or seminar performance. (To be negotiated individually and determined by the faculty member).

Students should first see Dr. Frank and then must speak with the specific faculty member with whom they wish to work. That faculty member must agree to the dates and topic of elective. Failure to confirm these faculty arrangements may lead to student not being permitted to initiate or complete the elective.

RADIOLOGY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Rad 381*	Vascular Interventional Radiology	Anthony Venbrux MD Elizabeth Ignacio MD	Shundra Dinkins	GW Hosp Rm 112	2/715-5155	715-5161	avenbrux@mfa.gwu.edu sdinkins@mfa.gwu.edu
Rad383>	Clinical Radiology	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu
Rad 390	Extramural Radiology	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu
Rad 404	GI/GU Radiology	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu
Rad 405	Acute/ER Radiology	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu
Rad 406	Trauma/Bone Radiology	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu
Rad 407	Women's Imaging	Jocelyn Rapelyea MD	Paula Edelen	ACC – DC level	2/741-3003	741-3011	irapelyea@mfa.gwu.edu pedelen@mfa.gwu.edu

* 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 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

Evaluation Method: Clinical (subjective) evaluation, seminar performance, written examination. Paper/presentation – optional for Honors grade consideration.

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

Evaluation Method: Clinical (subjective) evaluation, seminar performance, written examination. Paper/presentation – optional for Honors grade consideration.

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

Evaluation Method: Clinical (subjective) evaluation, written examination. Paper/presentation – optional for Honors grade consideration.

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

Evaluation Method: Clinical (subjective) evaluation, seminar performance, written examination. Paper/presentation – optional for Honors grade consideration.

SURGERY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Surg303	3 rd Surgery Clerkship	Juliet Lee MD	Jessica England	ACC 6B-402	2/741-3157	741-3285	jengland@mfa.gwu.edu jclee@mfa.gwu.edu
Surg353*>	Otolaryngology-Head/Neck Surgery	Steven Bielamowicz MD	Jessica England	ACC Voice Treatment Ctr	202 741-3157	741-3285	sbielamowicz@mfa.gwu.edu jengland@mfa.gwu.edu
Surg354*	Otolaryngology-Head/Neck Surgery	Michael Nathan MD	Dr. Nathan	Private office	7/709-5645	709-7681	
Surg355*	Otolaryngology-Head/Neck Surgery	David Bianchi MD	Pat Cavey Jessica England	Suburban and Holy Cross Hosp	301 754-7236	301 236-5357	dbianchimd@aol.com jengland@mfa.gwu.edu
Surg358*	Tropical Otolaryngology	Adam Shapiro MD	Dr. Shapiro	St Thomas VI			See course description for address
Surg 378	Intensive Care Unit	Arthur St. Andre MD	Dr. St. Andre Renita Bean	WHC	2/877-7259	877-7258	
Surg 380>	Gen Surgery and Surgical Oncology	Paul Lin MD	Jessica England 741-3157	ACC 6B-402	2/741-3157	741-3285	plin@mfa.gwu.edu jengland@mfa.gwu.edu
Surg 382>	Laparoscopic/Colorectal Surg	Bruce Orkin MD	Jessica England	ACC 6B-402	2/741-3157	741-3285	borkin@mfa.gwu.edu jengland@mfa.gwu.edu
Surg 385*	Plastic/Reconstructive Surgery	Elizabeth Marshall MD	Jessica England	ACC ACC 6B-402	2/741-3157	741-3219	emarshal@mfa.gwu.edu jengland@mfa.gwu.edu
Surg388>	Gen Surgery/Endocrine Surgery/Laparoscopic Surgery	Stanley Knoll MD	Jessica England	2440 M St Suite 706	2/741-3157	2/741-3285	stanknoll@gmail.com jengland@mfa.gwu.edu
Surg 390-395	Extramural Surgery	Juliet Lee MD	Jessica England 741-3157	ACC 6B-402	2/741-3157	741-3285	jclee@mfa.gwu.edu jengland@mfa.gwu.edu
Surg 400>	Gen Surgery and Trauma	Juliet Lee MD	Jessica England	ACC 6B-402	2/741-3157	741-3285	jengland@mfa.gwu.edu jclee@mfa.gwu.edu
Surg 401	Peripheral Vascular Surg	Anton Sidawy MD	Dr. Sidawy	VA Med Ctr	2/745-8295		
Surg 402	Burns	Marion Jordan MD	Dr. Jordan	WHC	2/877-7347	877-7302	

* 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

>*SURG 353 OTOLARYNGOLOGY/HEAD AND NECK SURGERY

Reservation required in weeks 2-13

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

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 England

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.

***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

Evaluation method: Clinical (subjective) evaluations, seminar performance, 20-30 minute presentation.

***SURG358 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

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 surgical and internal medicine critical care physicians include: Drs. D. Herr, R. DiPhillips, G. Sample, M. Hockstein, M. M. Lewis; M. Dans, J. Kilcullen and Brian Lee. 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 match.

Active participation in both inpatient and outpatient surgical care. Assignment to Dr. Lin's Team II. 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 England 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 match.

Emphasis on complex colorectal and laparoscopic surgery. Night call every fourth night. 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 match.

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, Chief and Dr. Joanne Lenert.

Report: Contact the course coordinator

Course Duration: 2 or 4 weeks

Evaluation method: Clinical (subjective) evaluation.

>SURG 388 GENERAL SURGERY, ENDOCRINE SURGERY, AND LAPAROSCOPIC SURGERY

Reservation required in weeks 2-13

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

Fourth year acting internship in general surgery, endocrine surgery and laparoscopic surgery. Comprehensive care of the surgical patient including significant outpatient clinic experience.

Report: Contact the Course Coordinator Jessica England at 741-3157 or jengland@mfa.gwu.edu

Course Duration: 4 weeks **Offered July-October (weeks 2-13) by arrangement with the Course Coordinator, open enrollment weeks 14-45.**

Evaluation Method: Clinical (subjective) evaluations.

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 match.**

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.

Additional Faculty: Drs. Vaziri, Teal, Olding, Lenert, Macht, Kalan, and Marshall.

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 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

Evaluation method: Clinical (subjective) evaluation, seminar performance.

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.

UROLOGY

Course Designation	Course Title	Course Director	Contact for Course Information	Location	Contact Telephone #	Fax #	Email Address
Urol 302*>	Clinical Urology	Dr. Thomas Jarrett	Jessica England	ACC 6B-402	2/741-3157	741-3285	jengland@mfa.gwu.edu
Urol 390	Extramural Urology	Dr. Thomas Jarrett	Jessica England 741-3157	ACC 6B-402	2/741-3157	741-3113	jengland@mfa.gwu.edu tjarrett@mfa.gwu.edu

* 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 match.

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. R. Andrawis 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 England 202 741-2157 or jengland@mfa.gwu.edu for further information.*

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

Evaluation Method: Clinical (subjective) evaluation.

UROL 390-392 EXTRAMURAL ELECTIVE

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.

Uniform Student Clerkship Evaluation: Year III and IV Courses
 The George Washington University School of Medicine and Health Sciences
 Mail to: Senior Associate Dean for Academic Affairs
 2300 I St. NW, 713-W, Washington, DC 20037
 Fax to: 202-994-0926

Student: _____ Course: _____ Dates Attended: _____

Cognitive Skills: numerical rating (1-5, see below) _____
 Comments: _____

Clinical Skills: numerical rating (1-5, see below) _____
 Comments: _____

Information Presentation: numerical rating (1-5, see below) _____
 Comments: _____

Professional Behavior: numerical rating (1-5, see below) _____
 Comments: _____

//////////////////////////////////**COMPLETE REQUIRED SECTION ON PAGES 4 THROUGH 6**//////////////////////////////////

Comments:
 Areas of Strength: _____

Areas for Improvement: _____

Final Grade: (completed by Clerkship Directors Only)

Exam Grade: Type: _____ Score: _____ H HP P LP CN F
Project Grade: Type: _____ Grade: _____ H HP P LP CN F

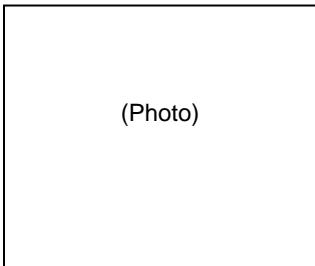
Clinical Grade _____ : Honors	"High Pass"	Pass	"Low Pass"	Conditional	Fail
Clinical Grade _____ : Honors	"High Pass"	Pass	"Low Pass"	Conditional	Fail
Clinical Grade _____ : Honors	"High Pass"	Pass	"Low Pass"	Conditional	Fail

Overall Grade:					
Honors	High Pass*	Pass	Low Pass*	Conditional**	Fail**
Signature of Course Director: _____					
Required					

*Informal grades that do not appear on the official University transcript. HP and LP grades appear as Pass on the transcript.
 **All conditional and fail grades must be reported to the Assistant Dean for Student Affairs before any remediation is attempted. Specific recommendations for remediation should accompany the report. The proposed remediation must be approved by the Medical Student Evaluation Committee.

Numerical Grading:
1 = Unacceptable performance. **2** = Marginal performance, below the level expected for a GW student.
3 = Very good, at the expected level for a GW student. **4** = Excellent, among the top 40% of all GW students.
5 = Outstanding, among the top 10-15% of all GW students.

UNIFORM EVALUATION FORM FOR CLINICAL CLERKSHIPS - GWUSOM



Clerkship: _____
 Student Name: _____
 Dates on Clerkship: _____
 Evaluator: _____

Year 3 - Rotation: 1 2 3 4 5 6
 Month: 1 2
 Weeks: 1 2 3 4 5 6 7 8

Rating Scale: The following rating scale applies to all succeeding numerical scales. In specific areas, descriptions of the expected performance and the extremes of performance are offered.

1	2	3	4	5
Unacceptable performance	Marginal performance, remediation suggested	Very Good. At expected level for GW student.	Excellent. Among top 40% of all GW students.	Outstanding. Among top 10-15% of all GW students.

Cognitive Skills:

- Fund of Knowledge:

1	2	3	4	5
Usually inaccurate. Knowledge of disease and pathophysiology, diagnosis, and treatment is very limited.		Solid fund of knowledge. Shows a good understanding of pathophysiology, diagnosis, and treatment. Meeting the expectations for level of training of a GW student.		Has outstanding knowledge of disease, pathophysiology, diagnosis, and treatment. Is in the top 10-15% of all GW students.

- Ability to Organize Data:

1	2	3	4	5
Usually disorganized. Cannot see relationships between information. Unable to formulate a reasonable description of the clinical information.		Usually able to organize information logically. Usually able to formulate a reasonable description of the clinical information. Meeting the expectations for level of training of a GW student.		Superior organizational skills. Always able to logically formulate a description of the clinical information. Is in the top 10-15% of all GW students.

- Ability to Synthesize Data into an Assessment:

1	2	3	4	5
Usually unable to reach a logical assessment about the patient and their problems. Poor ability to develop differential diagnosis and discriminate more likely from less likely causes.		Usually able to reach a logical assessment of the patient and their problems. Good ability to develop a differential diagnosis and discriminate more likely from less likely causes. Meets expectations for level of training of a GW student.		Outstanding ability to reach a logical assessment of the patient and their problems. Excellent ability to develop a comprehensive differential diagnosis and astute at organizing considerations in a logical order. Among the top 10-15% of all GW students.

• Ability to Formulate a Plan for Diagnosis or Treatment:

1	2	3	4	5
Usually unable to develop a logical plan for care. Usually unaware of appropriate treatment or diagnostic interventions.		Usually able to develop a logical plan for care. Aware of most common appropriate treatment and diagnostic interventions. Meets expectations for level of training of a GW student.		Outstanding ability to develop a logical plan for care. Includes sophisticated plans for treatment and diagnosis. Among the top 10-15% of all GW students.

(Mandatory) Comments on Cognitive Skills:

Clinical Skills

• History Taking

1	2	3	4	5
Generally incomplete. Frequently disorganized. Does not focus on the patient's problems at all. Poor patient rapport. Insensitive to patient. Important information is usually missing.		Usually complete. Good organization. Very good ability to establish rapport. Good sensitivity to patient. Can usually detect hidden agendas. Usually includes all important information. Meets expectations for level of training of a GW student.		Outstanding history taking. Very sensitive to patient and frequently picks up hidden agendas. Superior organization. Always includes important information. Among the top 10-15% of all GW students.

• Physical Examination/Mental Health Status Examination:

1	2	3	4	5
Usually incomplete, superficial, cursory or inaccurate. Misses major findings frequently.		Generally thorough examinations performed. Minor omissions, all major findings elicited. Meets expectations for level of training of a GW student.		Always complete, consistently accurate, all findings including subtle ones are elicited. Among the top 10-15% of all GW students.

• Technical/Procedural Skills:

1	2	3	4	5
Generally careless or incompetent. Frequent disregard for patient comfort.		Proficient. Exhibits appropriate care. Minimizes patient discomfort and risk. Meets expectations for level of training of a GW student.		Superb skills, excellent technique. Puts patients at ease, attends to their concerns. Among the top 10-15% of GW students.

Information Presentation:

- Oral Presentations:

1	2	3	4	5
Generally poorly organized. Multiple pieces of key information missing. Consistent inattention to details. Unable to express thoughts clearly.		Presentations are clear and usually well organized. They usually include a clear summary of historical information and an appropriate differential diagnosis and treatment plan. Meets expectations for level of training of a GW student.		Outstanding presentations. Always very clear and exceptionally well organized. All pertinent information presented concisely. Pertinent positives and negatives included. Excellent assessment and plan. Among the top 10-15% of GW students.

- Written Presentations:

1	2	3	4	5
Generally incomplete, messy, and poorly organized. Major omissions. Poor assessment and plan.		Thorough, neat, well organized and clear. Meets expectations for level of training of a GW student.		Outstanding clarity, superior organization, excellent summary of history, physical, assessment, and plan. Among the top 10-15% of GW students.

(Mandatory) Comments on Information Presentation:

Professionalism Evaluation: (Required)

In each domain, appropriate performance is indicated at the right of the scale (a numerical rating of "5" indicates satisfactory performance). Inappropriate performance descriptors are indicated at the left of the scale. **ANY NUMERICAL RATING THAT IS LESS THAN 5 MUST BE SUPPORTED BY A SPECIFIC DESCRIPTION OF THE STUDENT'S BEHAVIOR.** If you have not observed a characteristic please indicate "NO" for "Not Observed".

Honesty/Integrity:

- Truthfulness

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Untruthful; misrepresents position/status; misuses resources; falsifies data, plagiarizes, cheats OR Truthful to the point of blatant insensitivity; tactless				Exhibits truthfulness; trustworthy; displays honesty at all times	

• Adherence to Ethical Principles

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Engages in unethical behavior OR Sanctimonious; intolerant				Models ethical behavior	

Responsibility/Reliability/Dependability:

• Responsibility

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Consistent lack of punctuality; misses deadlines; does not comply with regulations; avoids responsibility and work OR Values timeliness over quality; inflexible and overly reliant on rules; not accountable to anyone, self-righteous or self-aggrandizing				Punctual; meets deadlines; complies with policies; assumes responsibility	

Teamwork:

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Non-participatory; aloof; arrogant; overcritical; demeans others OR Dominant; uncooperative; overbearing; obsequious				Respects authority and others; works well with others and team members	

Empathy:

• Compassion

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Emotionally unresponsive; little compassion; cold; indifferent; self-centered; selfish; unwilling to extend self to others; OR Emotionally over-responsive; objectivity clouded by desire to help others; gives misleading information in efforts to console; overextends self to own detriment				Empathic and sensitive to others; maintains objectivity; shows appropriate concern for others	

Commitment to Competence and Excellence:

- Motivation and Drive

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Low Standards of achievement; aspires to minimum standards only; complacent; aimless; educationally adrift OR Overly competitive; perfectionistic; answers for others; sets unachievable goals				Sets and achieves realistic goals; seeks to develop additional knowledge; conscientious; strives for excellence	

Respect for Patients:

- Relationships, Autonomy, Confidentiality

1	2	3	4	5	"NO"
Too little or too much				Satisfactory	
Disrespectful to patients; insensitive to beliefs, opinions, gender, race, culture, religion, sexual preference or status; disregards autonomy or confidentiality OR Indiscriminately accepts all behaviors, regardless of consequences; unable to provide limits to choice; inappropriately upholds confidentiality at expense of safety (e.g., suicidality, homicidality, sexual assault, child abuse, etc.)				Demonstrates sensitivity to patients; respects patient autonomy and confidentiality	

Global Rating Scale:

1	2	3	4	5
Unacceptable performance	Marginal performance, remediation suggested.	Very Good. At expected level for GW student.	Excellent. Among top 40% of all GW students.	Outstanding. Among top 10-15% of all GW students.

<p>Comments:</p> <p>Areas of Strength:</p> <p>Areas for Improvement:</p>
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