

NONCREDIT ELECTIVES
Spring 2015

Office of the Registrar
Medical Science Building
MSB B-640

Forward

This brochure describes the noncredit electives offered to students in Spring 2015 at New Jersey Medical School. The noncredit elective program augments required coursework and is designed to assist students in career planning. Noncredit electives offer students the opportunity to explore facets of their professional role in an informal atmosphere.

In order to be eligible for a notation on your academic transcript, you must register for a noncredit elective by **January 9, 2015** using the registration form provided to you under separate cover. Unfortunately, retroactive registration is not permitted.

Students are permitted to register for up to three noncredit electives per term. The dates/times of the electives cannot conflict. Students may enroll for four noncredit electives if one of your elective choices is SFHCC. If you wish to enroll in more than four noncredit electives, please contact me.

On the registration form, only list noncredit electives in which you wish to enroll. If you enroll in a noncredit elective and then wish to drop it, you do not need to notify the Registrar's Office. Noncredit elective drop activity **is not noted** on your academic transcript; noncredit electives will be officially recorded on your transcript only if you complete the noncredit elective requirements.

Unless you hear otherwise, you **are automatically enrolled** in your noncredit elective choices upon submission of registration material. If you are closed out of an elective because a course has reached enrollment capacity, you will be notified by the Registrar's Office.

If you have any additional questions, please contact the Office of the Registrar.

Best wishes for a rewarding and enjoyable year!

Julie E. Ferguson, MPA
Assistant Dean for Student Affairs/Director of the Registrar's Office
MSB-B640
Phone 973-972-4640
Fax 973-972-6930
julie.ferguson@rutgers.edu

Table of Contents

Forward.....	2
Table of Contents.....	3
ALL E.A.R.S.....	4
The Business of Medicine.....	5
Careers in Medicine Physician Shadowing Elective.....	7
Five Psychiatric Perspectives on American Culture through Popular Films.....	8
Global Health Alliance.....	10
Hands-on Surgery.....	11
Human Sexuality In Medicine.....	12
Integrated Clinical Experience (ICE) for the MD/PhD Student.....	13
The Internal Medicine Interest Group: “Club Med”.....	14
International Surgical Health Initiative.....	16
Introduction to Emergency Medicine.....	18
Introduction to Oncology NJMS – Cancer Society (NJMS – CASO).....	20
Introduction to Otolaryngology.....	22
Longitudinal Community Partnership Elective (LCPE).....	23
Mini-Medical School.....	25
Peter W. Carmel Neurosurgical Society.....	26
Project Pediatrics.....	28
Public Health & Preventive Medicine In Practice.....	30
Public Understanding of Medicine in Action - PUMA.....	31
Scholar’s Program in Family Medicine.....	32
Student Family Health Care Center - S.F.H.C.C.....	33
SIGN: Student Interest Group In Neurology.....	35
“Stem Cell 101” The Stem Cell Education Society (SCES).....	37
Technology and Imaging: A Case-Based Approach.....	38

ALL E.A.R.S (Encouraging Active Reception and Self-reflection) (OE 0097)

I. GOALS AND OBJECTIVES

ALL E.A.R.S (Encouraging Active Reception and Self-reflection), a student volunteer program sponsored by The Healthcare Foundation Center for Humanism and Medicine at Rutgers-New Jersey Medical School, provides medical students the opportunity to connect with patients beginning in their pre-clinical years. By collaborating with the Palliative Care team at University Hospital, the program is able to identify patients, who are often terminally ill, lonely, and facing long hospitalizations, that would benefit from interaction with students. By spending time with patients through the program, medical students are able to provide a listening ear to those truly in need. This program provides medical students with a rare opportunity to connect with patients on a personal level beyond that provided by their time on current clinical clerkships. ALL E.A.R.S allows medical students to develop their interpersonal skills, fosters their sense of compassion, empathy, altruism, and humanism, while filling a recognized void of basic human interaction for patients in need.

II. FORMAT

The elective will consist of a meeting component and a patient encounter component. Medical students will visit patients with their respective Palliative Care teams and will be required to participate in two self-reflection sessions/meetings throughout the semester. Students will be required to log the date and length of their patient encounters through the Healthcare Foundation Center for Humanism and Medicine and a minimum of 10 hours will be required to earn notation on a student's transcript. Students will also be required to complete the volunteer credentialing process at University Hospital prior to seeing patients.

III. LOCATION

Meetings will be held in MSB. Patient visits will take place at University Hospital.

IV. REGISTRATION

Registration will be conducted by the Registrar's Office, in the Medical Science Building, B-Level, Room 640. This course is open to first and second year students.

V. RESPONSIBLE FACULTY

Susanne Walther, walthesr@uhnj.org

VI. STUDENT COORDINATORS

Mary O'Connor, oconnom2@njms.rutgers.edu
Sheena Rastogi, rastogsh@njms.rutgers.edu
Jaimie John, johnja@njms.rutgers.edu

THE BUSINESS OF MEDICINE (OE 0054)

I. GOALS AND OBJECTIVES

While a medical school education prepares future physicians to practice medicine as an art, it is undeniable that modern healthcare is a business. It is precisely in looking at medicine as a business that we can take control as physicians and as decision makers. This course is designed to help medical students acquire a foundation of business knowledge and prepare for the professional challenges of working in an evolving healthcare environment in which managed care, pharmaceutical and biotechnological advances, and increasing political involvement have placed demands on physicians beyond their clinical knowledge. This lecture series will provide an opportunity for students to gain exposure to concepts that will better prepare them to shape the business and economics of medicine.

II. FORMAT

This elective is open to first and second year students with an enrollment limit of no less than 10 students. It will run for eight sessions beginning on Wednesday, January 21, 2015, through March 18, 2015 (1/21; 1/28; 2/4; 2/11; 2/18; 2/25; 3/4; and 3/18), from 5:00 p.m. to 6:00 p.m. Participants must complete **six** of the **eight** sessions in order to receive notation on his/her transcript. Each session will feature an invited lecturer who is considered an expert in his/her field of interest. The course will be conducted as a seminar with opportunity for discussion. *Please e-mail the student course directors if there are unavoidable conflicts. Some lectures and dates are subject to change.*

Tentative Topics include:

- (1) How do Americans Get Healthcare – And Who Pays For It?
- (2) Physician Billing and Coding
- (3) Status of Healthcare Reform
- (4) Physician's Role in Public Health
- (5) GME – The National Environment
- (6) Practice/Hospital Management
- (7) Hedge Fund Investments
- (8) Clinical Trials and Other Relationships with Pharma

III. LOCATION

MSB B 552

IV. RESPONSIBLE FACULTY

David L. Roe, MBA
Associate Dean & Chief Financial Officer, NJMS
MSB C-662
P: 973-972-1412
F: 973-972-1272
roeda@njms.rutgers.edu

Peter W. Carmel, MD, D. Med Sci
Professor and Chairman Emeritus
Department of Neurological Surgery
Neurological Institute of New Jersey
P: 973-972-2905
F: 973-972-2333
carmel@njms.rutgers.edu

V. STUDENT COORDINATORS

Nevedha Rajan (rajanne@njms.rutgers.edu)

Ryan Holland (rmhrmh@njms.rutgers.edu)

Rohit Reddy (reddycg@ubhc.rutgers.edu)

VI. REGISTRATION

Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640.

CAREERS IN MEDICINE PHYSICIAN SHADOWING ELECTIVE (OE 0063)

I. GOALS AND OBJECTIVES

The goal of this elective is to provide students with exposure to various specialties and subspecialties that they may be interested in. Students would have access to a Physician Database that would list physicians at UH who are willing to have students shadow them. Students would have the ability to observe physicians to attain a better understanding of what the specialty entails, as well as gaining insight into quality of life and work hours of the various specialties. Students have the option to choose one specialty of focus, or to sample a variety of specialties. All physicians in the database have come highly recommended from students who have worked with them previously.

All shadowing must be documented in advance of the shadowing experience. All shadowing not documented in advance will not be covered for the purposes of liability nor count toward the 10-hour requirement. All shadowing must be submitted to Dr. Gerula before the experience for verification and tracking. The shadowing cannot take place during days/times that required coursework is in session.

Students are not permitted to shadow doctors unless they are registered for this noncredit elective.

II. FORMAT

Students and physicians will decide the format together, i.e. rounds, clinic, or OR time. Students are required to complete 10 hours of shadowing time to earn notation on their transcripts.

III. LOCATION

University Hospital, Doctors Office Center

IV. REGISTRATION

Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640. This course is open to 2nd year medical students in the fall and 1st year medical students beginning in January. There is no enrollment limit.

V. FACULTY

Dr. Christine Gerula
Asst. Dean for Careers in Medicine
(gerula@njms.rutgers.edu)

FIVE PSYCHIATRIC PERSPECTIVES ON AMERICAN CULTURE THROUGH POPULAR FILMS (OE 0087)

I. GOALS AND OBJECTIVES

Goal:

The goal of the course is to introduce medical students to the psychiatric appreciation and interpretation of everyday life through the use of popular movies.

Objectives:

At the completion of the course, students will be able to:

1. Describe the basic psychiatric approach to people's everyday conflicts through the lens of (a) Child and Adolescent Psychiatry, (b) Geriatric Psychiatry, (c) Addiction Psychiatry, (d) Psychosomatic Medicine, and (e) Forensic Psychiatry
2. Distinguish between normal emotions and pathological symptoms of mental illness.
3. List four common psychotherapeutic strategies for the treatment of psychological conditions and mental disorders.

II. FORMAT

Monday, January 26, 2015, 5:00 – 7:30 pm

Film screening followed by discussion and light dinner

FROZEN (2013, 102 minutes), Focus on Child and Adolescent Psychiatry

Discussants: Tolga Taneli, MD, and Asha Martin, MS-2

Wednesday, January 28, 2015, 5:00 – 7:30 pm

Film screening followed by discussion and light dinner

PHILOMENA (2013, 98 minutes), Focus on Geriatric Psychiatry

Discussants: Najeeb Hussain, MD, and MS TBA

Monday, February 2, 5:00 – 7:30 pm

Film screening followed by discussion and light dinner

SHAME (2011, 101 minutes), Focus on Addiction Psychiatry

Discussants: Erin Zerbo, MD, and Khushboo Baldev, MS-1

Wednesday, February 4, 5:00 – 7:30 pm

Film screening followed by discussion and light dinner

DALLAS BUYERS CLUB (2013, 117 minutes), Focus on Psychosomatic Medicine

Discussants: Doug Opler, MD, and MS TBA

Monday, February 9, 5:00 – 7:30 pm

Film screening followed by discussion and light dinner

AMERICAN HUSTLE (2013, 138 minutes), Focus on Forensic Psychiatry

Discussants: Petros Levounis, MD, and MS TBA

III. LOCATION

MSB B 556

IV. REGISTRATION

Number of anticipated enrollees: 20-30

Enrollment limit: 100

Classes eligible for attendance: All classes

Course requirements necessary for notation on a student's academic transcript: at least 80% attendance, i.e., 4 out of 5 sessions

V. RESPONSIBLE FACULTY/STUDENT DIRECTOR(S)

Faculty Director:

Petros Levounis, MD, MA
Chair, Department of Psychiatry, Rutgers New Jersey Medical School
PetrosLevounis@rutgers.edu
973.972.7117

Student Director:

Asha Martin, MS-2
ADM140@njms.rutgers.edu
908-577-8967

GLOBAL HEALTH ALLIANCE (OE 0083)

I. GOALS AND OBJECTIVES

The goal of the Global Health Alliance is to increase global health awareness to the NJMS and Newark community. The meetings will consist of lectures from professions of various institutions on specific global health topics. Also, during these meetings, we will discuss how to get involved with summer medical missions. There will be one community service event in the local area focusing on refugee health during the spring semester. If students are interested, we will hold discussions on specific current global health topics.

II. FORMAT

In order to receive notation on their transcripts, students must attend at least six of the eight lectures. In addition to this, you must attend the mandatory fall event, which will be a service activity on Global Health. This course will meet on Wednesdays, from 1:00 PM to 2:00 PM.

Wednesday, January 21
Wednesday, January 28
Wednesday, February 4
Wednesday, February 11
Wednesday, February 18
Wednesday, February 25
Wednesday, March 4
Wednesday, March 18

III. LOCATION

MSB B 540 a&b

IV. REGISTRATION

Registration will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640. This course is open to all students. There is no enrollment limit for this course.

V. RESPONSIBLE FACULTY

Dr. Torian Easterling (easterto@njms.rutgers.edu)

VI. STUDENT COORDINATORS

Sneha Patel (patel412@njms.rutgers.edu)
Pranavi Vemuri (vemuripr@njms.rutgers.edu)
Sei Yeon Chung (chungsy@njms.rutgers.edu)
Stephanie Enner (ennersm@njms.rutgers.edu)

HANDS-ON SURGERY (OE 0046)

I. GOALS AND OBJECTIVES

This elective will consist of seven lectures given by surgeons in different surgical subspecialties or hands-on activities such as knot tying and suturing classes. Lecturers will speak about their specialty, how they came about choosing their specific field, offer advice on obtaining a residency position in that field, and will answer any other questions that students might have. Surgeons will also describe common cases encountered in their respective specialties and the work-up and treatment involved. It is our hope that this elective will offer insight into the interesting field of surgery and will provide an in-depth experience and exposure that many other electives cannot.

II. FORMAT

In order to receive notation on their transcripts, students must attend at least five of the seven scheduled events. Attendance at additional activities will be counted towards elective credit and will be announced throughout the term. This course will meet on two to three Mondays of each month from 6:00 pm to 7:30 pm unless otherwise noted. Dates are subject to change based on speaker availability. All lectures are announced by e-mail.

Monday, January 26th
Monday, February 2nd, 9th, 16th and 23rd
Monday, March 2nd and 16th

III. LOCATION

Lecture Series: MSB B 610

IV. REGISTRATION

Registration will be conducted by the Registrar's Office, in the Medical Science Building, B-Level, Room 640. This course is open to ALL STUDENTS. A maximum of 125 students can enroll in this course. If the number of interested students exceeds the maximum of 125, a random selection of students will be chosen.

V. RESPONSIBLE FACULTY

Dr. Dev Anjaria (anjaride@njms.rutgers.edu)

VI. STUDENT COORDINATORS

Ben Rush Surgical Society (njmsbenrush@gmail.com)
Rob Crum (crumrw@njms.rutgers.edu)

HUMAN SEXUALITY IN MEDICINE (OE 0092)

I. GOALS AND OBJECTIVES

The course provides an opportunity for students to gain a deeper understanding of the roles human sexuality and sexual health play in the care and treatment of patients. Potential topics include female sexual concerns and treatments, minority sexual health, sexuality and disability, LGBT health disparities, sexuality and aging, and transgender treatment and health. Additional topics may be included based upon student interest. After successful completion of the course, students will have an enhanced understanding of the importance of sexuality and sexual health in the lives and treatment of their patients.

II. FORMAT

This elective will be offered **Wednesdays from 1:00 pm- 2:00 pm** on the following dates: **1/21; 1/28; 2/4; 2/11; 2/18; 2/25; 3/4; and 3/18.**

The course will consist of a combination of lectures/small group discussions. Food will be provided.

III. LOCATION

MSB B 540 c&d

IV. REGISTRATION

Registration will be conducted by the Registrar's Office, in the Medical Science Building, Room B 640.

V. COURSE REQUIREMENTS

The course is open to all students. To receive notation on their transcripts, students must attend seven of the eight sessions.

VI. RESPONSIBLE FACULTY

John Paul Sanchez (jp.sanchez@njms.rutgers.edu)

VII. STUDENT COORDINATORS

Jilyan Decker (deckerjg@njms.rutgers.edu) (908-216-5592)

Riza Bueser (bueserrm@njms.rutgers.edu) (551-265-3837)

THE INTEGRATED CLINICAL EXPERIENCE (ICE) FOR THE MD/PHD STUDENT (OE 0071)

I. GOALS AND OBJECTIVES

This elective will provide MD/PhD students enrolled in the PhD phase with ongoing clinical experiences in medicine. Under the guidance of the Internal Medicine Clerkship Director, Dr. Alla Fayngersh, this elective will allow MD/PhD students, while in their PhD phase, to maintain their clinical skills and apply their basic science knowledge in a clinical setting.

Students enrolled in this noncredit elective will be expected to attend and participate in one intern morning report on a Wednesday morning at 8 am in UH I-121. After morning report, the student will join one of the four teaching teams for attending rounds on the floors. During rounds, students will see patients on the inpatient service, perform physical exams, access labs and generate a differential diagnosis and management plan. Students may be asked to present the patient to colleagues and team mates. The residents and/or attendings will assist students in the generation of a differential plan, always helping students to correlate and integrate their knowledge in the basic sciences with clinical practice.

Students are welcome to attend Medical Grand Rounds on Tuesday at 8 am – 9am in MSB B 610 and/or Clinical Case Conference Thursdays from 12-1 pm in MSB B 610.

II. FORMAT

This noncredit elective is only open to students in the PhD phase of the MD/PhD program. Students should contact Dr. Alla Fayngersh, fayngeal@njms.rutgers.edu, to arrange a flexible and individualized schedule of one monthly morning report/attending rounds session.

Registration will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640. Students must register for this elective during the noncredit elective registration period or they will not be permitted to participate.

III. LOCATION

Students attending morning report sessions should go directly to University Hospital, I Level, Room 121 at 8AM on their assigned day.

IV. REGISTRATION

The number of anticipated enrollees is twelve. MD/PhD students returning to NJMS Year 3 during academic year 2014-2015 or 2015-2016 must enroll in this elective, as it is a requirement for return.

V. RESPONSIBLE FACULTY

Course Faculty Director: Dr. Padmini Salgame (salgampa@njms.rutgers.edu)

Internal Medicine contact: Dr. Alla Fayngersh (fayngeal@njms.rutgers.edu)

THE INTERNAL MEDICINE INTEREST GROUP: “CLUB MED” (OE 0056)

I. GOALS AND OBJECTIVES

To create an elective that provides first and second year medical students with the foundation to ease their transition from the classroom to the floors. The Department of Medicine and Club Med will provide students with a lecture series, in conjunction with hands-on training while on the floors.

Every bit of clinical knowledge is beneficial for rising third year student. Under the guidance of the IM residents, this elective aims to sharpen students’ clinical skills, didactic skills, and ability to apply their basic science knowledge in a clinical setting.

The elective will have 2 components:

1. Lecture Series

- a. Students will be expected to attend 6 lectures over the course of the elective period (one full academic year). Lectures will be scheduled during the current regular elective periods on Wednesdays in the 1st year Lecture Hall, B552. However, there will be some optional lectures that will be open to the entire 1st and 2nd year class that will be held in a lecture hall B610, but not necessarily on a Wednesday. Students will be required to attend a minimum of 2 lectures in the spring semester if they begin the elective in the fall, or a minimum of 2 lectures in the fall semester if they begin the elective in the spring.
- b. Lecture topics will focus on developing practical clinical skills, including but not limited to, the following topics:
 1. What is Internal Medicine?
 2. Subspecialties of Internal Medicine (Cardiology, Gastroenterology; Endocrinology; Infectious Disease; Nephrology; Hematology; Medical Oncology; Pulmonology)
 3. Generating a differential diagnosis
 4. How a private practice is run
 5. How to write a note and present to an Attending
 6. Overview of common procedures (lumbar puncture, intubation, thoracentesis, etc)
 7. Internal Medicine Match Panel

2. Hospital Sessions

- a. Students will be expected to attend 4 clinical sessions total. During these sessions, groups of students 3-5 will work with a resident for about 1 ½ to 2 hours in the hospital. These sessions will be scattered throughout the year to allow flexibility for both the medical students and residents. Clinical sessions will also feature specialized sessions in cardiology, GI, ICU/CCU, etc.
- b. Students will see patients on the floor, perform a physical exam, access labs and generate an impression, differential diagnosis and plan. They will then present the patient to their resident. This will be followed by a discussion of the case, which will highlight important physical findings and historical clues. The residents will help students generate a differential and plan, always helping students to correlate their pre-clinical basic sciences with clinical practice.
- c. Students will submit a short write-up following a clinical session, detailing what they learned and/or what the residents showed them.

II. FORMAT

This course is offered on Wednesdays beginning January 21, 2015 and is offered throughout the academic year. The lectures will run on the following dates:

1/21, 1/28, 2/4, 2/11, 2/18, 2/25, 3/4, and 3/18 from 1:00 pm to 2:00 pm. The enrollment capacity for this elective is 200 students maximum. There are approximately 18 sessions over the year, 6 of which are required to have notation on a student's transcript, including hospital sessions.

III. LOCATION

MSB B 552

IV. REGISTRATION

Registration will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640.

V. RESPONSIBLE FACULTY

Course Faculty Director: Dr. Neil Kothari (kotharne@njms.rutgers.edu)

Course Student Director: Chrystal Chang (chachang@njms.rutgers.edu)

INTERNATIONAL SURGICAL HEALTH INITIATIVE (OE 0084)

I. OVERVIEW

The International Surgical Health Initiative (ISHI) is a humanitarian non-profit organization that is dedicated to providing free surgical care to underserved communities in countries such as Guatemala, the Philippines, Peru, and Sierra Leone. ISHI was founded by two attendings at University Hospital, Dr. Ziad Sifri and Dr. Asha Bale, in order to address the need for international surgical health care. This yearlong non-credit elective, organized by the NJMS student chapter of ISHI, provides students with an opportunity to learn more about various aspects of international health and surgery.

II. GOALS AND OBJECTIVES

NJMS students will have the opportunity to explore the field of international health and support ISHI with their missions abroad. Students will have the opportunity to attend lectures, take part in discussions with faculty, and involve themselves with ISHI missions.

III. FORMAT

This is a full year elective that will take place throughout the 2014-2015 academic year. The elective will meet Wednesdays, 1/21; 1/28; 2/4; 2/11; 2/18; 2/25; 3/4; and 3/18 from 5:30-6:30 PM unless otherwise specified. Topics of individual sessions vary and will be announced to participating students by the Monday evening prior to the Wednesday event. The first official meeting for the non-credit elective is a lecture by Dr. Sifri in which he will discuss current ISHI challenges and how to organize a surgical mission. Additional student chapter and ISHI events may be scheduled at other times throughout the year.

Lectures and other ISHI-sponsored events fall into the following categories:

- Passive learning: lectures given by current ISHI members regarding their experiences overseas, interfacing with the communities, lessons learned, and general topics of global health.
- Active learning: journal club where students have the opportunity to present and discuss a publication within the scope of international surgery as it applies to ISHI, Dr. Sifri, and other ISHI members AND theory discussions where students have the opportunity to present and discuss chapters from *Global Surgery and Public Health: A New Paradigm*.
- Interactive: case-based teaching via small group discussions of various topics including a mock triage.
- Supportive events: ISHI pre-mission preparation meetings, pre-mission organizing and packing of supplies and instruments, and fundraising events.

IV. LOCATION

All Wednesday night meetings will be in the MSB B 617, except the meeting on 2/4 will be located in MSB B 610. Packing parties and other ISHI events scheduled throughout the year may be held offsite; locations will be posted when determined.

V. REGISTRATION

All students are permitted to register. Registration for the elective will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640.

To receive notation on a student's academic transcript of successful completion of the non-credit elective, the student must attend a minimum of 12 events total over the course of the year including one from each of the following categories: passive learning, active learning, interactive, and supportive events (as described above).

VI. RESPONSIBLE FACULTY

Ziad Sifri, MD
Associate Professor of Surgery
Division of Trauma Surgery and Critical Care
150 Bergen Street
Newark, NJ 07101

ISHI-NJMS Student Chapter E-Board
ishi.njms@gmail.com

INTRODUCTION TO EMERGENCY MEDICINE (OE 0053)

I. GOALS AND OBJECTIVES

Emergency Medicine is an exciting and challenging field. The Emergency Department (ED) at University hospital serves as an outstanding training area for medical students and residents. Through this elective, first and second year students would be able to gain exposure to emergency medicine and clinical practice. You will improve your patient interaction skills; see the relevance of topics presented in your formal coursework, and cement new knowledge through real world experiences.

II. FORMAT

Students will work closely with an Emergency Medicine faculty member or resident in the University Hospital Emergency Department observing and, when comfortable, performing history and physical exams as well as emergency medicine procedures. Exposure to developing differential diagnosis, EKG, lab and X-ray interpretation will also be afforded. After attending a mandatory training session the student will become eligible to sign up for four hour shifts in the ED. Shift scheduling guidelines will be presented during the training sessions. Before the end of the semester the student must complete a total of 24 hours in order to complete the elective. Students may use hours accumulated in Fall 2014 to meet the Spring 2015 hour requirement. Students must also attend a minimum of 2 Emergency Medicine Interest Group (EMIG) lectures/workshops which will cover topics and procedures related to emergency medicine. Attendance at lectures in Fall 2014 and Spring 2015 semesters will count toward this requirement.

III. LOCATION

Training Sessions

There will be two training sessions. The dates for the training sessions will be announced at a later date.

Shadowing Sessions

After attendance at a training session, completion of 24 hours of shadowing time in the University Hospital Emergency Department is required. Shifts are typically daily weekdays from 3pm-7pm, and 7pm-11pm. Weekend shifts are typically from 7am-11am, 11am-3pm, 3pm-7pm, 7pm-11pm and 11pm – 7am. Hours students accumulated in the Fall 2014 semester will roll over into the Spring 2015 semester. Further explanation will be provided during the training sessions.

IV. RESPONSIBLE FACULTY

Jill Ripper, MD
Assistant Professor
Department of Emergency Medicine
150 Bergen Street
Newark, NJ 07101

V. STUDENT COORDINATOR

Chris Ojeda (ojedach@njms.rutgers.edu)

VI. REGISTRATION

All students (not just EMIG members) are permitted to register. There is no limit on the number of students that can register for the noncredit elective; however, space is limited by the number of

available time slots. Students must attend one of the two training sessions that are scheduled to be eligible to sign up for shadowing time slots on the NJMS Intranet. The sessions will be approximately 20-30 minutes long and include a brief tour of the emergency rooms. Registration for the elective will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640.

INTRODUCTION TO ONCOLOGY (OE 0072)
NEW JERSEY MEDICAL SCHOOL – CANCER SOCIETY (NJMS – CASO)

I. GOALS AND OBJECTIVES

CaSo is a student run oncology interest group. Our goal is to expose students at NJMS to the breadth and scope of oncology as a medical specialty. This goal will be accomplished through multiple hands-on and lecture based learning experiences including:

- Sitting in on Tumor Boards
- Surgery Case Presentations
- Radiation, Medical, & Surgery Lectures
- Radiation, Medical & Surgery Clinics
- Research opportunities at the Cancer Center
- Scrubbing-in on Oncology Surgeries

In addition to these learning experiences, students will also be able to network through the Cancer Society's vast directory of doctors.

II. FORMAT

1. Lecture Series will be held on the following dates:

January 21, 2015- 1:00 pm- 2:00 pm
January 28, 2015 - 1:00 pm- 2:00 pm
February 4, 2015 - 1:00 pm- 2:00 pm
February 11, 2015- 1:00 pm- 2:00 pm
February 18, 2015- 1:00 pm- 2:00 pm
February 25, 2015- 1:00 pm- 2:00 pm

2. Tumor Boards - Located in the Cancer Center or University Hospital

Tumor Board schedules will be sent out when elective starts.

3. Clinic and Surgery Days and Times- TBA when elective starts.

It will be mandatory to attend a scrub-in learning session if you would like to observe surgery.

III. LOCATION

MSB B 617 (lectures), Cancer Center, University Hospital

IV. REGISTRATION

Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640. This elective is open to first and second year medical students. There is a maximum enrollment of 120 students. In order to receive notation on academic transcripts, students must attend 4 out of 6 lectures and at least 4 events. These events can be completed in any combination:

1. Tumor board of your choice
2. Shadow in either clinic or operating room
3. Any community service events

Students will be provided with a checklist and must present the checklist to the attending physician for a signature.

V. RESPONSIBLE FACULTY

Dr. Ravi Chokshi (chokshrj@njms.rutgers.edu)
Dr. Lillian Pliner (plinerlf@njms.rutgers.edu)

VI. STUDENT COORDINATORS

Jimmy Patel (jpatel21@njms.rutgers.edu)
Calvin Leung (cnleung@njms.rutgers.edu)
Joe Sambataro (sambatjs@njms.rutgers.edu)
Elisha Lim (limel@njms.rutgers.edu)

INTRODUCTION TO OTOLARYNGOLOGY (OE 0087) ENT INTEREST GROUP

I. GOALS AND OBJECTIVES

The “Introduction to Otolaryngology” elective, sponsored by the ENT Interest Group, will provide medical students, primarily first and second year students, an opportunity to explore and experience the unique field of otolaryngology. This elective will allow 1st, 2nd, and 3rd years the opportunity to meet faculty and resident mentors within the Otolaryngology department through shadowing experiences and lectures showcasing interesting cases or topics.

II. FORMAT

The elective will consist of eight meetings and students are required to attend at least six meetings to receive a notation on their transcript. In addition, students will be required to participate in a clinical shadowing experience, where the students will rotate in the department for a specified week. The elective lectures will be held on the following Wednesdays from 5:00 pm-6:00 pm: 1/21; 1/28; 2/4; 2/11; 2/18; 2/25; 3/4; and 3/18. These meeting times may be subject to change based on lecturer availability.

III. LOCATION

Lecture meetings will be held in MSB B 619. Clinical shadowing experience will take place at University Hospital.

IV. REGISTRATION

Registration will be conducted by the Registrar’s Office, in the Medical Science Building, B-Level, Room 640. This course is open to first, second, and third year students.

V. RESPONSIBLE FACULTY

Dr. Chan Park, Assistant Professor
Head and Neck Oncology/Microvascular Reconstructive Surgery
cwp39@njms.rutgers.edu

VI. STUDENT COORDINATORS

David Kam (kamda@njms.rutgers.edu)
Helen Han (hyehan@njms.rutgers.edu)
George Gorgy (ggorgy@njms.rutgers.edu)

LONGITUDINAL COMMUNITY PARTNERSHIP ELECTIVE (LCPE) (OE 0094)

I. GOALS AND OBJECTIVES

New Jersey Medical School (NJMS) students recognize the need to reach out proactively to the Newark community by organizing and participating in health screenings, medical education meetings, and other similar, community service initiatives. Service Learning is defined as a “course-based, credit bearing education experience in which students a) participate in an organized service activity that meets identified community needs and b) reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility.”

The goal of the LCPE is to create a structured framework for medical students to take part in community educational and outreach activities that meet service learning goals and objectives and complement the Student Family Health Care Center (SFHCC). Currently, community service activities take place either through Student Health Advocacy for Resources and Education (SHARE) or individually through the SFHCC or the Office of Diversity and Community Engagement. The LCPE will allow the students to structure their community engagement with specific service and learning objectives in mind. There is flexibility in the design of the activity and level of commitment. Through this process, students will fulfill requirements and achieve specific outcomes to receive proper school credit.

II. FORMAT

The LCPE will allow students to participate in service learning activities through their four year journey in medical school. Students will present proposals and obtain approval from the LCPE Faculty Preceptor. Students will need to demonstrate that there is 1) engagement of the community partner focused on health promotion and service, and 2) an organized portfolio of activities to be completed in the four years of medical school.

At the end of the four years of participation in the LCPE, students will be expected to satisfactorily complete 80 hours of community service learning and maintain a portfolio of service learning activities. This portfolio will include reflection essays for all community projects in which students participate, and documentation of all 6 steps of development and implementation of community projects that students lead (as described below); all of which need to be completed in a satisfactory manner as determined by the elective director.

For the full 6-step project, the student is expected to:

- Submit a one page needs assessment developed in collaboration with the community organization where the activity will take place.
- Submit a log sheet of community risk factors affecting the health of the community in direct relationship with the partnering site where the activity will take place.
- Submit a 1-2 page proposal for a service learning activity either as an individual effort or as part of a group effort through the existing opportunities at NJMS.
- Complete a Pre-Service reflection essay and a Post-Service reflection essay when participating in an activity.
- Present to SHARE and SFHCC community presentations: “Lessons learning from my service learning activity”.

This elective runs from September through August of each academic year.

III. REGISTRATION

Registration will be conducted through the Registrar's Office, in the Medical Sciences Building, Room B-640.

IV. RESPONSIBLE FACULTY

Dr. Ana Natale-Pereira (natalean@njms.rutgers.edu)
Dr. Chantal Brazeau (chantal.brazeau@rutgers.edu)
Dr. Hanaa Hamdi (hamdiha@njms.rutgers.edu)

MINI-MEDICAL SCHOOL (OE 0015)

I. GOAL AND OBJECTIVES

The New Jersey Medical School offers an 8-week sequence of dinner / seminars, formal lectures, small seminars, elective courses, tours and a screening clinic.

II. FORMAT

Mini-Med School 2014-2015 will be offered in the spring on consecutive Wednesdays from 5:30 p.m.-8:45 pm beginning February 25, 2015 and ending April 22, 2015. The spring offering is 8 sessions.

Medical students, known as Medical Student Preceptors, are responsible for leading discussions, offering impromptu brief lectures, explaining the reading materials and lectures, answering questions and recording attendance.

First, second and fourth year students receive up to two (2) weeks of 4th year elective credit for participating in the Mini-Med School, one week for every 18 sessions in the program.

III. LOCATION

To be announced.

IV. RESPONSIBLE FACULTY

Jacob Jay Lindenthal, Ph.D., Dr. PH
Department of Psychiatry, Professor
Jacob.Lindenthal@rutgers.edu

Telephone: (973) 972-4805

V. REGISTRATION

Detailed information will be distributed. Registration will be conducted by the Registrar's Office, in the Medical Sciences Building, B-Level, Room 640.

PETER W. CARMEL NEUROSURGICAL SOCIETY (OE 0095)

I. GOALS AND OBJECTIVES

The Peter W. Carmel Neurosurgical Society is dedicated to providing students in their preclinical and clinical years with an exposure to neurological surgery and other related specialties. Through an organized curriculum of didactics, hands-on workshops, and faculty/resident mentored journal clubs, we will provide an avenue for students to gain exposure to this rapidly innovating surgical subspecialty. Additionally, the society will provide opportunities for faculty mentorship and a variety of research opportunities. This elective will also allow students to gain access to various ongoing neurosurgical research projects, participate in seminars such as “Brain Cutting” and CT/MRI reading, and engage in community outreach programs relevant to the surgical neurosciences.

II. FORMAT

Sessions will be held Wednesday evenings from 6:30 pm-7:30 pm on the following dates this spring semester: 1/21; 1/28; 2/4; 2/11; 2/18; 2/25; 3/4; and 3/18. To earn a notation on his/her transcript, enrolled students must attend at least six (6) of PWCNS’s scheduled events throughout the semester, as well as participate in at least one (1) community service or fundraising event. If a student desires to complete the requirements over the course of the entire academic year, the student must be registered in both semesters, attending twelve (12) or more scheduled events, and participate in at least two (2) community service or fundraising events.

*Students participating in research through the PWCNS are required to attend a minimum of two (2) out of the three (3) journal club meetings per semester.

III. LOCATION

MSB B 610

IV. REGISTRATION

Registration will be conducted by the Registrar’s Office, in the Medical Science Building, B-Level- Room 640. This course is open to ALL STUDENTS. There is no enrollment limit.

V. RESPONSIBLE FACULTY

Chirag D. Gandhi, MD, FAANS
(gandhich@njms.rutgers.edu)
Associate Professor of Neurological Surgery
Director, Endovascular Neurosurgery Fellowship

Charles J. Prestigiacomo, MD, FAANS, FACS
(presticj@njms.rutgers.edu)
Professor and Chairman
Department of Neurological Surgery
Professor, Department of Radiology and Neurology and Neurosciences
Director, Residency Program in Neurological Surgery
Director, Cerebrovascular and Endovascular Surgery

VI. STUDENT COORDINATORS

Mohammad Zaidi (zaidims@njms.rutgers.edu)

Ryan Holland (rmhrmh@njms.rutgers.edu)

Sangsoo Kim (sk1545@njms.rutgers.edu)

Rohit Reddy (rohit.reddy@rutgers.edu)

Abhinav Changa (changaar@njms.rutgers.edu)

Club email (pwcns.njms@gmail.com)

PROJECT PEDIATRICS (OE 0069)

I. GOALS AND OBJECTIVES

1. Provide a setting for exploration of many of the different career tracks available in pediatric medicine like Adolescent Medicine, Behavioral Pediatrics, and Neonatology and including those in more specialized fields such as Surgery, Orthopaedics, and Anesthesiology. Students will have the opportunity to hear lectures, as well as interact with the clinical faculty in these various disciplines.
2. Provide the opportunity for students to volunteer in a pediatric setting, which allows the students to become more comfortable dealing with sick kids. Opportunities to volunteer within the hospital usually lie on F-level in the Peds playroom and the nursery.
3. To promote awareness of current issues in pediatric medicine, whether it is through lectures on topics like Pediatric Advocacy or the Ethics of Pediatric Genetics.
4. Provide opportunities for involvement in pediatric service projects inside the university (e.g. the F-Blue Beautification Project) and outside in the city of Newark (e.g. Apostle House Christmas party)

II. FORMAT

1. This is a full year elective that will take place throughout the academic year.
2. There will be a lecture series (schedule to be announced)
3. Students may volunteer at the Pediatric Playroom (F-Blue).
4. There will also be several holiday parties (Halloween, Holiday, Valentine's Day) that students from the elective plan yearly for kids in the hospital.
5. Various community service projects held throughout the year.

Requirements:

1. Attendance at a minimum of at least 80% of the lecture series per semester.
2. Participation/volunteering at any of the above locations for a combined yearly total of at least 6 hours.
3. Participation/volunteering at one Project Pediatrics event per semester.

III. LOCATION

For lectures during block schedule elective time (Wednesdays 1:00 pm to 2:00 pm),
MSB B 617 b&c

IV. REGISTRATION

Registration will be conducted through the Registrar's Office, in the Medical Sciences Building,
Room B 640.

V. RESPONSIBLE FACULTY

Christin Traba, M.D., M.P.H.; Department of Pediatrics
Medical Sciences Building, F-Level, Room F603
Telephone: (973) 972-6014
Pager: (973) 203-0187
Email: morancm@njms.rutgers.edu

VI. STUDENT COORDINATORS

Claire Terez (terez@njms.rutgers.edu)

Neelam Upadhyaya (nupadhy@njms.rutgers.edu)

Faith Ikalina (fli1@njms.rutgers.edu)

Samantha Leong (leongse@njms.rutgers.edu)

Anshu Paul (anpaul@njms.rutgers.edu)

Project Pediatrics General Email Address: projectpediatrics@gmail.com

PUBLIC HEALTH & PREVENTIVE MEDICINE IN PRACTICE (OE 0082)

I. GOALS AND OBJECTIVES

Through cooperation with the Department of Preventive Medicine and Community Health, medical students will have the opportunity to network with physicians from various departments within NJMS with backgrounds in preventive medicine, in addition to NJ state and local public health officials. The lecture series will focus on the variety of issues encountered in the fields of public health & preventive medicine. Students will also have the opportunity to interact with the NJMS Preventive Medicine residents, who can share information about training programs and help students get involved with new and ongoing projects within the department.

The goal of this elective is to expose students to the types of positions and responsibilities available for physicians in the fields of public health and related disciplines of preventive, community, and occupational medicine.

II. FORMAT

The course will be offered on Wednesdays from 1:00 pm- 2:00 pm on the following dates: 1/21, 1/28, 2/4, 2/11, 2/18 and 2/25.

To earn notation on their transcripts for this elective, students must attend five out of six lectures.

III. LOCATION

The weekly lecture series will be held in room MSB B 540 e+f.

The MMRS Surveillance Subcommittee Meeting will be located at the Newark Health Department, 110 William Street (Room 205), Newark, NJ.

The PMCH Grand Rounds are in MSB B 610.

IV. RESPONSIBLE FACULTY

Dr. Lawrence Budnick (budnicla@njms.rutgers.edu)

V. STUDENT COORDINATORS

Rahul Vasireddy (vasirerp@njms.rutgers.edu)
Brandon Schwartz (bts62@njms.rutgers.edu)
Arjun Gupta (gupta15@njms.rutgers.edu)
Christina Thoonkuzhy (cet67@njms.rutgers.edu)

VI. REGISTRATION

Registration will be conducted through the Registrar's Office, in the Medical Sciences Building, Room B-640.

PUBLIC UNDERSTANDING OF MEDICINE IN ACTION- PUMA (OE 0061)

I. GOALS AND OBJECTIVES

The Community Outreach elective empowers medical students at NJMS to branch out into Newark and lead lessons and discussions on basic medical topics (e.g. cancer and nutrition).

- Expose and connect medical students to the underserved populations in Newark.
- Challenge students to apply their medical knowledge by teaching.
- Practice public speaking skills.
- Help underserved communities in Newark.

II. FORMAT

This elective is open to all students. It will be offered on the following days: 1/21; 1/28; 2/4; 2/11; 2/18; 2/25, 3/4 and 3/18. Students will meet in the Medical Science Building at 12pm for a brief lunch and depart for their chosen locations by 12:20 pm in order to be back on campus before afternoon classes. (N.B. If mandatory programs are scheduled during the Reserved Hour, students will not be permitted to leave until 1:00 pm). Participating students will be given the lesson one week in advance to provide adequate time for preparation. In addition, hard copies of the lessons and other relevant material will be distributed to the students for their respective groups. Two or three students will act as preceptors in each group; there will be at least one second-year medical student present in each group. Students **MUST** be present for four of the six sessions in order to receive notation on their transcripts.

III. LOCATION

Newark Renaissance House
50 Norfolk Street
Newark, NJ 07103

The Kintock Group
50 Fenwick Street
Newark, NJ 07114

IV. RESPONSIBLE FACULTY

Jacob Jay Lindenthal, Ph.D., Dr.PH
Department of Psychiatry, Professor
lindenth@njms.rutgers.edu

V. STUDENT COORDINATORS

Stephen Iacono- iaconosa@njms.rutgers.edu
Kevin Colodner- colodnkt@njms.rutgers.edu
Pamela Chin- chinpa@njms.rutgers.edu
Lauren Kelly- kellyls@njms.rutgers.edu

First Year Representatives

Robert Luceri- rel105@njms.rutgers.edu
Khoa Tran- kt291@njms.rutgers.edu
Mary Fakunle- mof10@njms.rutgers.edu

VI. REGISTRATION

There is an enrollment limit of 20 students. Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640.

SCHOLAR'S PROGRAM IN FAMILY MEDICINE (OE 0096)

I. GOALS AND OBJECTIVES

The goal of the Scholar's Program in Family Medicine is to expose students to the scholarly aspects of the discipline of Family Medicine by having the student participate in longitudinal teaching activities and scholarly projects on research, service or clinical topics pertinent to Family Medicine. For a more detailed description of the program, please visit the Registrar's Office.

By the end of their Scholar's Program experience, students will:

1. Have developed a solid mentoring relationship with a Family Medicine faculty member
2. Describe and contrast scholarly activities that occur in the field of Family Medicine
3. With mentor guidance, develop and fulfill individual goals and objectives for their Scholar's Program experience specific to their scholarly interests
4. Plan, review, reflect on, and complete a scholarly project on a research, service or clinical family medicine topic that results in an at least regional, reviewed presentation and/or publication
5. Experience a community of students with similar scholarly interests.

II. FORMAT

The Scholar's Program in Family Medicine will offer longitudinal educational experiences in Family Medicine throughout the four years of medical school, including a formal scholarly activity that will result in a presentation or publication for all participants. A minimum of one year is required to fulfill program requirements. Students must apply for acceptance into the program.

The Scholar's project will be approved and followed by the mentoring faculty and the Scholars Program Director throughout the duration of the project.

III. RESPONSIBLE FACULTY

Dr. Steve Keller (skeller@njms.rutgers.edu)

IV. REGISTRATION

Registration will be conducted through the Registrar's Office, in the Medical Sciences Building, Room B-640.

STUDENT FAMILY HEALTH CARE CENTER (OE 0079)

I. GOAL/OBJECTIVES

The Student Family Health Care Center (SFHCC) has been providing family-centered health care to Newark residents since 1967. The SFHCC is organized and conducted by medical students with the guidance of a faculty advisor. Participants gain experience working as members of health care teams and are given responsibility for patient care commensurate with their level of training. The Center affords a unique opportunity to participate in the continuing medical care of ambulatory patients, and to be exposed to the Patient-Centered Medical Home concepts, quality assurance in clinical care, collaboration with other health care professionals and community outreach.

II. FORMAT

Students are encouraged to begin their association with the SFHCC during their first year and continue throughout their tenure at NJMS. Student teams are comprised of a first, second, third and fourth year student and an attending physician. The third year student functions as team leader and primary care physician for the team's patients.

Sessions are held every Tuesday and Thursday from 5:30 pm to roughly 9:00 p.m. During the first half-hour of each session, a third-year student presents a topic related to the outpatient management of common medical problems. After the lecture, students either see patients or attend a teaching session, depending on the number of students and patients present on a given evening. The elective runs from June through May of the academic year.

Fourth year students are eligible to receive up to four (4) weeks of elective credit for participating in SFHCC. To be eligible to receive this credit a student must complete **the following requirements:**

- Twenty (20) clinic sessions during the first and second years (combined)
- First and second year competencies
- Twenty (20) clinic sessions during the third and fourth years (combined)- Must be completed by December of fourth year
- Third and fourth year competencies
- Participate in the ongoing care of one patient for a minimum of three visits
- Participate in teaching sessions or reflection sessions
- Present a lecture in the third or fourth year
- View required podcasts, attend designated reflection session and fulfill SFHCC competencies
- Completion of all required program surveys
- Additional responsibilities as determined by current student directors

If a student participates in SFHCC in the first and second years, this is noted on the student's permanent record.

III. LOCATION

The Student Family Health Care Center is administered through the Department of Family Medicine, BHSB E 1558. The clinical aspect of SFHCC takes place at the DOC 4400. The Tuesday and Thursday lectures are located in MSB B 552 during the dates of 9/5-12/18.

IV. REGISTRATION

Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640. **ALL STUDENTS PARTICIPATING IN SFHCC MUST REGISTER FOR SFHCC EVERY ACADEMIC YEAR.** Retroactive registration is not permitted. You may not attend Clinic unless you are registered for SHFCC.

V. RESPONSIBLE FACULTY

Dr. Torian Easterling (torian.easterling@rutgers.edu)
Phone: (973) 972-2495

Student Director Email: njms.sfhcc@gmail.com

SIGN: STUDENT INTEREST GROUP IN NEUROLOGY (OE 0044)

I. GOALS AND OBJECTIVES

This elective will be sponsored by the Student Interest Group in Neurology (SIGN) which was established at NJMS in 2003. This group is sponsored by the American Academy of Neurology (AAN) and the Neurology Department at NJMS in order to bring together medical students who are interested in exploring the practice of neurology and a variety of its subspecialties, as well as its closely associated fields.

II. FORMAT

The SIGN group will meet on following afternoon/evening hours of these dates:

1. 1/21 (W): 1-2
2. 1/28 (W): 1-2
3. 2/11 (W): 1-2
4. 2/18 (W): 1-2
5. 2/25 (W): 1-2
6. 3/18 (W): 1-2

The elective will consist of a series of six lectures; most of which will be focused on specific and sometimes rare neurological disorders/diseases in a variety of patient populations. There will also be one lecture on psychiatry and one on neurosurgery, which are very closely related fields. Most of the lectures will look at a variety of diagnoses from a case-based approach, with some clinicians even introducing students to patients with the conditions or showing video demonstrations. In addition to the lecture series, a shadowing program will be in place allowing students to shadow physicians or surgeons in neurology, neurosurgery, and/or psychiatry. In order to earn notation on their transcripts for the elective, students must attend five of six lectures OR attend four of the six lectures and attend the MS Walk.

III. LOCATION

Lectures will be given in MSB B 609 b&c.

IV. RESPONSIBLE FACULTY

Stephen S. Kamin, M.D.
Department of Neurology & Neurosciences
90 Bergen Street, DOC 8138
Newark, NJ 07103
kaminst@njms.rutgers.edu

V. STUDENT COORDINATORS

Kevin Spiegler (spiegler@njms.rutgers.edu)
David Kopel (dmk260@njms.rutgers.edu)
Jay Shi (shijj@njms.rutgers.edu)

VI. REGISTRATION

There is no enrollment limit for this course and all classes are eligible to register. Registration will be conducted in the Registrar's Office, Medical Science Building, B-Level, Room 640.

“STEM CELL 101”: THE STEM CELL EDUCATION SOCIETY (SCES) (OE 0058)

I. GOALS AND OBJECTIVES

The course will cover the important concepts in stem cell biology, emphasizing current research areas and possible application to medicine.

II. FORMAT

This course will be offered on Wednesdays from 1:00 pm – 2:00 pm beginning January 21, 2015 through March 18, 2015. This course is offered to all classes whereby students must complete eight of the nine sessions in order to earn notation on their transcripts. The first session is mandatory. The number of anticipated enrollees is 20.

III. LOCATION

MSB B 619 b&c

IV. RESPONSIBLE FACULTY

Dr. Pranela Rameshwar (rameshwa@njms.rutgers.edu)

V. STUDENT COORINDATOR

Garima Sinha (sinhag1@gsbs.rutgers.edu)

VI. REGISTRATION

Registration will be conducted by the NJMS Registrar’s Office, in the Medical Science Building, B-Level, Room 640.

TECHNOLOGY AND IMAGING: A CASE-BASED APPROACH (OE 0047)

I. GOALS AND OBJECTIVES

This elective is designed to avail first and second year students to the strategies, techniques and tools used regularly by doctors to accurately diagnose pathology through standard radiological modalities. In this elective, radiological fields will be explored which focus on more non-invasive diagnostic techniques and treatments. Lectures offered through the Radiology Interest Group will feature professors primarily from Radiology department, including Dr. Stephen Baker, Chair of the Radiology Department. Included among the topics are: introduction to X-rays and CT scans; learning the basics of MRI; basics in interventional radiology; basics behind breast radiology; PET and Nuclear Medicine; pneumonias; a Q & A session with Radiology Residents and 4th year students entering radiology residency. Students will also have an opportunity to observe reading films in the emergency room. Throughout the course, emphasis on proper history, physical and diagnostic protocols will be made to help evaluate the cost/benefit of performing radiological procedures.

II. FORMAT

This elective is open to all students with an enrollment limit of 40 students. It will include six lectures held on Tuesdays from 5:00 pm-6:00 pm beginning January 27, 2015 through March 3, 2015. The dates for the elective will be 1/27, 2/3, 2/10, 2/17, 2/24, and 3/3. Students will also have the opportunity to observe diagnostic radiologists in the reading room and interventional radiologists in the angiography suite. Each student will be required to attend five of the six lectures in order to earn a notation on his/her transcript. Alternatively, each student can attend four of the six lectures and observe a diagnostic or interventional radiologist for a minimum of 2 hours.

III. LOCATION

Technology and Imaging will meet in the University Hospital H-Level, Room H350.

IV. RESPONSIBLE FACULTY

Stephen Baker, M.D.
Department of Radiology
UH C 320
973-972-5188
bakrsr@njms.rutgers.edu

V. STUDENT COORDINATORS

Kevin Chu (chukk@njms.rutgers.edu)
Praveen Ranganath (ranganpg@njms.rutgers.edu)

VI. REGISTRATION

Registration will be conducted in the Registrar's Office, MSB, B-Level, Room 640.