

Faculty In Charge Of Course:	Sandra A.A. Oldham, M.D., Course Director
Participating Faculty:	Attending Radiology faculty at both the Medical School and M.D. Anderson Cancer Center
Location:	Three weeks at the Medical School (JFB G.710) and Memorial Hermann Hospital; and one week at the M.D. Anderson Cancer Center Dept. of Diagnostic Imaging
Offered:	Monthly, except May, June, July, December
Max. # Students/Period:	15

Course Objective

- This elective is designed to accommodate the needs of medical students as well as the particular interests of individual students. The elective comprises didactic lectures, practical rotations observing faculty and residents in subspecialty areas of Radiology as well as case presentations and discussions. A final exam is given.
- There will be daily didactic lectures for students covering the wide scope of radiology, including pediatric radiology, neuroradiology, nuclear medicine, thoracic radiology, mammography, ultrasound, CT, MRI, abdominal imaging, and musculoskeletal radiology.
- The practical rotations can be tailored to meet the specific needs or interests of individual students. For example, if a student has a particular interest (such as neurology, neurosurgery, pediatrics, urology, orthopaedic surgery, etc.) he/she needs to tell us that interest prior to the start of the elective and we will then enroll that student in practicals geared specifically toward their area of interest or specialization. If, on the other hand, the student wishes to have a broader exposure to Radiology, perhaps students going into family practice, general internal medicine, or surgery, we will assign that student to a rotating menu of daily practical rotations in a variety of subspecialty areas to expose them to a wider scope of Radiology.
- All students will be exposed to the same "core": lectures, case presentations, and discussions. What will vary will be where the student spends his/her practical rotation time.

Areas of Knowledge to be Covered and Skills Acquired:

- Become aware of currently used diagnostic imaging procedures and their indication, contraindication, hazards, and costs;
- Learn effective methods of utilizing the radiologist as a consultant and a member of the health care team;
- Develop an understanding of what can and cannot be accomplished by these procedures;
- Develop an understanding of the rationale for preparation routines; and
- Learn a logical approach to analyzing images in order to recognize basic anatomical structures and some common abnormalities.

Activities Of Elective

Number Of New Patients/Student/Week: Not Applicable

Responsibilities Of Student For Assigned Patients:

Does history/physical:	No
Follows patients, with appropriate notes as needed:	No
Does student see ambulatory patients:	No
Performs or observes procedures:	Observes

Scheduled Duties of Student:

Presents patients to preceptor or attending physician:	Yes
Weekly schedule of required teaching sessions:	The student will attend lectures in each of the 11 areas covered during the rotation, observe procedures in clinical areas each day, and participate with radiology residents and faculty in read-out teaching sessions.

Describe Optional Rounds And Activities, If Any:

The student has access to Lucy Frank Squire slide cassette teaching series and ACR teaching files, basic radiology textbooks, and radiology library resources at both locations.

Other Required Activities:

Reading/review of current literature:	Yes, <i>Squire's Fundamentals of Roentgenology</i> , 5th edition, by Robert Novelline, M.D.
Writing or Presenting a paper:	Each student will present a case and discuss an unknown case at the Medical School during the last week of the week of the elective.

How Is Student Evaluated:

Student is evaluated based on attendance, faculty evaluations, case presentation and discussion, and final written examination. Grades are H, HP, P, F.

Who Evaluates Students:

Sandra A.A. Oldham, M.D.

Unique Features Of This Elective:

There will be a minimum enrollment of five students needed for the course to be held as scheduled. If less than five enroll, individual arrangements may be permitted with students rotating through subspecialty areas in diagnostic radiology. There will be no formal lectures given if enrollment is small and there will be no final exam. Under-enrolled rotations will be graded pass/fail.