## Course Listings

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OBJECTIVES AND/OR GOALS:
To gain knowledge of the methods of anesthesia in most common use in the private general hospital; to gain knowledge and experience in pre-operative and post-operative evaluation to detect hazards and complications of anesthesia.

* Drs.: Johnson, Young, Huggins

SPECIFIC DUTIES OF SENIOR STUDENTS:
Students will make independent pre-operative evaluations and present to anesthesiologist. They will observe and assist in administration of anesthesia. Specific reading assignments will be made and review of assigned topics at weekly or more frequent intervals will be held. There are regularly scheduled weekly CME conferences and weekly slide/tape presentations, in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:
| Clinic:     | Lecture: | Reading: | Other: | Total: 40 |

OBJECTIVES AND/OR GOALS:
Basic anesthetic principles and agents.

Intubation, oxygenation and blood gases.

Regional anesthetic instruction including spinal, caudal and epidural.

Emergencies - C.P.R., fluid replacement including blood.

(*) Drs. Burnett, Hubbard, and Payne

SPECIFIC DUTIES OF SENIOR STUDENTS:
Assist in the Operating Room.

Pre-anesthetic evaluation of patients.

Follow up of post-operative patients.

Utilization of procedures of intubation and oxygenation.

Administration of anesthetic agents under direct supervision in the Operating Room.

Assigned didactics regarding drugs, gases and regional anesthetic agents.

Patient Load - between two and five daily.

The student will be required to attend the following conferences: Residency Noon Conference, Chest, Tumor Board, Neuro-Radiology.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To provide an elective learning experience in private practice and community hospital clinical cardiology. To provide experience with supervision in diagnosis and management of cardiac problems with special emphasis on practical clinical cardiology, electrocardiography, and intensive care experience.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Participants will have status of acting intern level responsibilities and will be expected to actively participate in design and development of diagnostic and therapeutic plans. Each student will work with a clinical faculty member who is engaged in private practice of cardiology, in basically a one-to-one learning-teaching situation. In addition, participants will do initial evaluation of in-hospital consultations, both in and out of the coronary care unit. They will do complete history and physical examinations on all hospital admissions and will see their patients for post-hospitalization visits in the office. Students will participate in ECG cardiac catheterization procedures, Holter monitoring, Pacemaker follow-up, and Echocardiography. For further information contact AHEC Central Office, UAMS, 686-5260.

HOURS PER WEEK:
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Total: 53
COURSE: Cardiology  DURATION: 4 weeks
DIRECTOR: Drs. Hall and Bennett Rudorfer  MAX STUDENTS: 1
PHONE: (870) 338-9100  MIN STUDENTS: 0
MAIL SLOT: 599  AVAILABLE: All Blocks
LOCATION: AHEC-Delta (West Memphis)  COURSE#: DCARH

OBJECTIVES AND/OR GOALS:
To provide a learning experience in cardiology as seen in the hospital and office setting.

Knowledge to be gained - basic core information as presented in coronary disease, valvular heart disease, cardiac arrhythmia, pericardial disease, and pharmacology of cardiac drugs.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Perform history and physical exams, progress notes, etc. on hospital patients.
Make daily rounds on hospital patients.
Assist in diagnostic and treatment plans.
Participate with attending physician in performing and/or interpreting of ECG’s, treadmill studies, echocardiography, and cardiac catherization.
Participate in attending’s clinic practice.

HOURS PER WEEK:
Conference: 2  Ward: 21  Lab: 0  Library: 0  O.R.: 0
Clinic: 15  Lecture: 0  Reading: 2  Other: 0  Total: 40
OBJECTIVES AND/OR GOALS:
Technical skills: Interpretation of electrocardiograms; observation of performance and interpretation of cardiac catheterization, vectorcardiography, phonocardiography, and angiography; proficiency in intensive care, monitoring, and telemetry.

Knowledge to be gained: General clinical cardiology, management of myocardial infarction, interpretation in electrocardiography, approached to solving clinical problems in cardiology.

* Drs.: Nolewajka, Waack, Mehl, Fleck, Fine, Foreman, Stites

SPECIFIC DUTIES OF SENIOR STUDENTS:
Clinical Cardiology: Daily attending rounds on cardiac care patients with student acting as initial consultant. Student and cardiologist on one to one basis.

Daily AHEC Conferences.

Heart Station: Daily reading of selected electrocardiograms: selected experience in vector and phonocardiography and other noninvasive techniques including exercise testing and echocardiography, all under the direction of cardiologist.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

1. Technical Skills - practical skills including ECG interpretation, recognition of basic echocardiogram, exercise electrocardiography, training in auscultatory skills, understanding of basic cardiac catheterization data and cardiac radiology anatomy. 2.

Knowledge to be gained - basic core information is presented in coronary disease, valvular heart disease, cardiac arrhythmia, pericardial disease, and pharmacology of cardiac drugs.

* Drs.: White, D.V. Patel, Suresh Patel, McKee, Tagupa, Hill, Tedder, Bailey, and Isaacson

SPECIFIC DUTIES OF SENIOR STUDENTS:

Clinical experience involves two closely integrated areas:

1. Clinical cardiology - daily attending rounds with patients with cardiac problems with the student acting as the initial consultant.

2. CCU - intensive care experience of the acute cardiac with the student working closely as a member of the team.

In addition, weekly conferences and tutorial teaching of electrocardiograms are regularly offered. There is experience in the clinic with out-patients.

HOURS PER WEEK:

Conference: 4        Ward: 30        Lab: 3        Library: 3        O.R.:        Clinic: 12        Lecture: 1        Reading: 3        Other:        Total: 53
OBJECTIVES AND/OR GOALS:
To provide a learning experience in cardiology as seen in private practice, in the hospital and in the office. Skills in history and physical exam, diagnostic tests, assessment and management will be stressed. Patients will be seen in the ER, in the CCU, on the hospital wards, and in the office. Students will participate in monitoring, interpretation of ECGs, hemodynamic evaluation, stress testing and consultations. Students will also participate in cardiac scanning, echocardiography, and in coronary arteriography. Study assignments may also be made.

* Drs. Churchill, Fish, Green, Haisten, Pruitt, Simpson, Parashara, Riley, and El-Shafei (All members of the NW Arkansas Heart and Vascular Center)

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. To perform history and physical exams, progress notes, etc. on hospital patients.
2. To make daily rounds on hospital patients.
3. Assist in diagnostic and treatment plans including writing orders.
4. To participate with attending physician in performing and/or interpreting of ECGs, treadmill studies, echo cardiography and arteriography.
5. To participate in attending's clinic practice when requested.
6. To study appropriate library and AV materials.
7. To attend teaching conferences when practical.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To provide an elective learning experience in private and community hospital clinical cardiology.

To provide experience with supervision in diagnosis and management of cardiac problems with special emphasis on practical clinical cardiology, electrocardiography, and intensive care experience.

* Drs. Pearce, Dharamsey, Alshami, and Mahmood

SPECIFIC DUTIES OF SENIOR STUDENTS:
Participants will have status of acting intern level responsibilities and will be expected to actively participate in design and development of diagnostic and therapeutic plans. Each student will work with a clinical faculty member who is engaged in private practice of cardiology, in basically a one-to-one learning-teaching situation. In addition, participants will do initial evaluation of in-hospital consultations, both in and out of the coronary care unit. They will do complete history and physical examination on all hospital admissions and will see their patients for post-hospitalization visits in the office. Students will participate in ECG interpretation on a daily basis and gain experience in exercise stress testing and cardiac catheterization procedures.

HOURS PER WEEK:
Conference: 5    Ward: 40    Lab:    Library:    O.R.:
Clinic: 10    Lecture: 2    Reading:    Other:    Total: 57
COURSE: Cardiology
DURATION: 4 weeks
DIRECTOR: Drs. Hurley and (*)
PHONE: (870) 779-6016
MAIL SLOT: AHEC
LOCATION: AHEC-Southwest (Texarkana)
MAX STUDENTS: 1
MIN STUDENTS: 
AVAILABLE: All Blocks
COURSE#: TCARE

OBJECTIVES AND/OR GOALS:
Interpretation of EKG, Cardiac Catheterization, and Echocardiography.

Care of cardiac patients (Cardiac Intensive Care Unit), office and hospital.

* Drs. Peterson, Patel, Robinson, Black, and Hurley.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Rounds
Conferences

Patient Load - no more than two or three new patients daily.

The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:
Clinic: 6 Lecture: 3 Reading: 6 Other: Total: 52
COURSE: Emergency Medicine  
DURATION: 4 weeks  
DIRECTOR: Drs. Johnson and (*)  
PHONE: (479) 785-2431  
MAIL SLOT: AHEC  
LOCATION: AHEC-Fort Smith

MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: SEMGA

OBJECTIVES AND/OR GOALS:
Technical Skills to be Learned:  
- Resuscitation  
- Suturing of lacerations

Factual Knowledge to be Gained:  
- How to assess a patient's clinical condition rapidly by applying pathophysiological principles.  
- How to stabilize abnormal metabolic states (shock).  
- How to triage and refer patients for more definitive care on a timed priority basis.  
- How to provide episodic ambulatory care to a general population with medical, orthopaedic, surgical and gynecological problems.

This elective is available in scheduled four week blocks only.

* Drs. Greene, Bell, Horan, Horan, Anderson, Johnson, Weddle, Fraser, and Newcity

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily Activities: The student will see the patients in primary contact and then review the case with the staff physician.

Students will be precepted by board certified emergency medicine physicians listed above.

Students are exposed to, and trained in, traumatic and medical emergencies. Didactic training in wound repair, overdose management, and multiple trauma are an integral part of the rotation.

Students will attend clinical conferences at Fort Smith AHEC daily. One presentation by the student at these conferences per 4-week block is required. Each rotation will require a minimum number of shifts, which will include nights and weekends.

All Emergency Medicine rotations are standardized for work hours and rotation schedules to provide a full experience.

HOURS PER WEEK:

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<td>Lecture:</td>
<td></td>
<td>Reading:</td>
<td></td>
<td>Other:</td>
<td></td>
<td>Total:</td>
<td>47</td>
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</tbody>
</table>
OBJECTIVES AND/OR GOALS:

Students will learn the principles of early recognition and stabilization of acute, life-threatening emergent medical-surgical problems and will actively participate in these activities as the opportunity presents. Because of the broad mix of patients in the emergency department, students will have the opportunity to see the full spectrum of episodic medical and surgical complaints. Students should develop their skills in collecting medical history and performing a physical examination pertinent to the presenting complaint. They will have the opportunity to formulate plans and initiate management of a wide range of urgent and emergent problems.

The students will be precepted by board qualified Emergency Physicians. Each rotation will require a minimum number of shifts, which will include nights and weekends. All Emergency medicine rotations are standardized for work hours and rotating schedule to provide a full experience. The work schedule is coordinated thru the UAMS Department of Emergency Medicine Office.

* the Emergency Physicians Group

This elective is available in scheduled four week blocks only.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will see patients in the emergency department as the primary encountered physician and interact directly with attending physicians in patient evaluation and treatment. Didactic material in selected emergency topics is presented weekly. Students attend clinical conferences and didactic sessions which are held weekly. Grade is based on faculty assessment of clinical performance and interaction at conferences.

Didactic sessions include: wound repair, toxic/overdose management, multiple trauma management, and Introduction to Emergency Medical Systems. Additional topics are available through videocassettes, UAMS lectures, and compressed video presentations.

HOURS PER WEEK:

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<thead>
<tr>
<th>Conference</th>
<th>Ward</th>
<th>Lab</th>
<th>Library</th>
<th>O.R.</th>
<th>Clinic</th>
<th>Lecture</th>
<th>Reading</th>
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<td>47</td>
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</tbody>
</table>
OBJECTIVES AND/OR GOALS:
To improve skills, knowledge, and techniques involved in all aspects of emergency medical care as it presents in a community hospital emergency department. Emphasis will be placed on teaching accurate assessment and management of critically ill patients as well as proper and efficient management of less severe medical and traumatic emergencies. Students will gain experience in the proper function and organization of emergency medical service as it relates to other hospital services, emergency medical systems, and other community health and health-related facilities.

This elective is available in scheduled four-week blocks only.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Specific responsibilities will be individualized depending on the student's interests and level of ability.

Student physicians will be expected to work out the on duty schedule with the principal supervising emergency physician (Dr. John Skowronski). Students will be expected to attend most of the 5 AHEC routine conferences each week, plus the required Thursday Emergency Medicine conferences at UAMS.

Each rotation will require a minimum number of shifts, which will include nights and weekends. All Emergency Medicine rotations are standardized for work hours and rotation schedule to provide a full experience.

HOURS PER WEEK:

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<th>Conference</th>
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COURSE: Emergency Medicine | DURATION: 4 weeks
DIRECTOR: Dr. J. Skowronski | MAX STUDENTS: 2
PHONE: (870) 541-7611 | MIN STUDENTS:
MAIL SLOT: AHEC | AVAILABLE: All Blocks
LOCATION: AHEC-Pine Bluff | COURSE#: PEMGC
OBJECTIVES AND/OR GOALS:
To improve skills, knowledge, and techniques involved in all aspects of emergency medical care as it presents in a community hospital emergency department. Emphasis will be placed on teaching accurate assessment and management of critically ill patients as well as proper and efficient management of less severe medical and traumatic emergencies. Students will gain experience in the proper function and organization of emergency medical systems as it relates to other hospital services, emergency medical systems, and other community health and health-related facilities.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Specific responsibilities will be individualized depending on the student’s interests and level of ability.

Student physicians will be expected to work out the “on duty” schedule with the principal supervising emergency physician and preceptor, Dr. Mark Dixon. Students will be expected to attend most of the AHEC routine conferences each week.

Each rotation will require a minimum number of shifts, which will include nights and weekends. All Emergency Medicine rotations are standardized for work hours and rotation schedule to provide a full experience.

HOURS PER WEEK:

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<th>Activity</th>
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<td>Other</td>
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</table>
OBJECTIVES AND/OR GOALS:

1. To provide students with an understanding of the wide range of conditions seen in the Emergency Departments of community hospitals.

2. To teach students to recognize life threatening situations and how:
   a. To stabilize
   b. To triage
   c. To refer

3. To teach students how to provide treatment for the large number of patients who need ambulatory care.

(*) Drs. Jacobsen, Weber, and Wade

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Students will be precepted by board certified emergency physicians listed above.

2. The students will be required to make a survey of current literature related to the patients seen. Didactic training in wound repair, overdose management, multiple trauma, and emergency medical systems are an integral part of the rotation.

3. Each rotation will require a minimum number of shifts, which will include nights and weekends. All rotations are standardized for work hours and rotating schedule to provide a full experience.

4. This elective is available in scheduled four week blocks only.

5. The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:

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<th>Conference</th>
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OBJECTIVES AND/OR GOALS:

This is a unique offering, in that one can get a general practice experience on a group of young adults with their unique problems and needs. This experience should be further enriched by the presence of the health educator as a full-fledged member of the health care team - an experience not usually available to the student nor even to the medical practitioner.

Goals:

To gain competence in diagnosis and management of the health and medical concerns of the college student.

To become more aware of the team (holistic) approach in dealing with the college student's health needs as offered by a medical team within the center composed of physicians, nurses, mental health professionals and health educators.

To appreciate the relationship of the college health physicians with other community health resources.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will be assigned to the Student Health Center at the University of Arkansas campus.

The student will observe, assist and participate in all of the medical activities of the medical staff. This will include seeing patients in the out-patient clinic.

The student will actively participate in the mental health activities of the Center including diagnostic, counseling and therapy sessions.

The student will work with the professional health educator in various health promotional and individual and group health counseling activities.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To provide an educational experience in the setting of a private practitioner in a rural area.

The opportunity to participate in the continuing care of patients as family units, both ambulatory and inpatient.

To aid the student in recognition of the family physician's role in the management of the family unit.

To gain experience working within a health care team, including physician assistants, nurse practitioners and social workers.

To gain insight into one's own perceptions of himself/herself as a physician.

To clarify educational and professional goals.

(*) This elective is shown as taking place at the Fort Smith AHEC. However, the rotations will actually be with rural practice physicians at the following sites: Ozark, Paris, Clarksville, Atkins, Alma, Booneville, Mena, and Greenwood. The Maximum number of students is actually one per practice site (town). Before you sign up for this rotation, even in the initial elective request, you should check with the central AHEC office and make sure the town you want is open. Housing may be provided at the AHEC if the rotation site is within driving distance.

SPECIFIC DUTIES OF SENIOR STUDENTS:
To participate as indicated as physician of first contact, initiate work-up, organize therapeutic approach, and collaborate in the above with the private practitioner and paramedical personnel.

The preceptor should provide the opportunity for the aforementioned contacts and the supervision and consultation required by the students.

The student will attend scheduled conferences at AHEC Fort Smith as feasible.

Evaluation:
1. Regular evaluation and feedback sessions will be scheduled with the student to share faculty perceptions and areas of weakness, strength and strategies for growth and for the student to provide feedback to the faculty.
2. A summary evaluation will be provided to each student and required of the student at the end of the elective.

HOURS PER WEEK:
Conference: 32  Ward: 10  Lab:  6  Library:  Other:  Total: 48
Clinic: 32  Lecture:  Reading:  6  O.R.:
OBJECTIVES AND/OR GOALS:

To provide learning experiences to Senior Medical Students for the development of expertise in comprehensive patient/family health problems management, both outpatient and inpatient. To demonstrate the importance of the continuum of care concept in the practice of Family Medicine. To promote participation of Senior Medical Students in health care activities involving physician-to-physician referral and cooperation with nursing and allied and associated health care personnel.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will observe and participate in all phases of the physician's private practice, being assigned the following duties: Evaluation of new patients as assigned by the local physician-preceptor, the workup to include identification of medical problems history, physical examination, assessment of findings and formulation of plans for outpatient and inpatient diagnosis and management, both immediate and follow-up; Utilization of the literature pertinent to the total care of his patients; Participation in the core curriculum through appropriate conferences; Evaluation and documentation of the student's experience with the assigned preceptor-physician and with the medical community at large. For further information contact AHEC Central Office, UAMS, extension 5260.

HOURS PER WEEK:

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COURSE: Family Practice  DURATION: 4 weeks
DIRECTOR: Dr. City  MAX STUDENTS: 1
PHONE: (501) 686-5260  MIN STUDENTS:
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Central Office (Searcy)  COURSE#: CFAMC

Page 17
OBJECTIVES AND/OR GOALS:
Operational Medicine is a broad category that includes a multitude of topics from other disciplines. This includes infectious disease, parasitology, sports medicine, emergency medicine, environmental medicine, and most importantly pre-hospital patient care to include field treatment, stabilization, and evacuation issues. Specific topics to be addressed include the following:

Hypothermia, Frost bite, Drowning/near drowning, Lightening strikes, Heat stroke/heat exhaustion, Tick borne diseases, Animal bites and attacks, Search and rescue, Pre-hospital care, Stabilization of the injured patient in the field, Expedition medical kits, High altitude medicine, Dive medicine, hyperbaric medicine as related to the above, Care and treatment of burns, Snake bite hospital and field treatment, Map and compass techniques, Rope work, Injuries in outdoor sports, Skiing, Boating accidents, Hunting accidents, Marathons/road races, Adventure racing.

Recommended reading: "into Thin Air", Into the Wild" by John Krakauer, "The search for Haley" and "Arkansas Hiking Trails" by Tim Ernst, Text: "Wilderness Medicine 4th ed." by Paul Aurbach, M.D.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Activities will include lecture, hands-on workshops, ride alongs with EMS and forest rangers, and field trips/overnight at Mount Magazine.

HOURS PER WEEK:

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<thead>
<tr>
<th>Conference</th>
<th>Ward</th>
<th>Lab</th>
<th>Library</th>
<th>O.R.</th>
<th>Clinic</th>
<th>Lecture</th>
<th>Reading</th>
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COURSE: Operational Medicine
DURATION: 4 weeks
DIRECTOR: Bryan Clardy, M.D.
PHONE: (479) 424-3175
MAIL SLOT: 599
LOCATION: AHEC-Fort Smith

MAX STUDENTS: 2
MIN STUDENTS: 0
AVAILABLE: Block 8
COURSE#: SFMWD
OBJECTIVES AND/OR GOALS:

1. To gain knowledge of and skill in dealing with the health problems frequently encountered by the family physician.
2. To gain insight into the role of the family physician in the management of the family unit.
3. To learn the relationship of the family physician to other members of the health care team.
4. To gain experience and knowledge of the interface between Family Medicine and secondary and tertiary health care (referrals, consultations, etc.)
5. To gain knowledge and skill in dealing with community resources.
6. To acquire knowledge of the business, the personnel, and practice management aspects of a family practice.
7. To clarify educational and professional goals.
8. To observe the practice of Family Medicine in a small rural community.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. The student will observe and participate in all phases of the designated physician's private practice (clinic, hospital, nursing home, etc.)
2. The student will be responsible for reviewing the literature pertinent to the cases encountered.
3. The student will receive on-going and end-of-course evaluations from his/her private practice preceptor(s).

This elective is listed as taking place at the Jonesboro AHEC. However, it will actually take place at the following sites: Trumman, Monette, Paragould, Blytheville, Harrisburg, or Corning.

The maximum number of students is actually one per area. Before signing up for this elective, even in the initial elective request, check with the AHEC central office to be sure the exact site you want is open.

HOURS PER WEEK:

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<th>Conference:</th>
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<th>Lab:</th>
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<td>Reading:</td>
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</table>

Page 19
OBJECTIVES AND/OR GOALS:
This course can be taken at any of the primary care sites listed below and is an elective and not a primary care selective. It is designed to accomplish the goals and objectives as listed below:

1. Students should gain knowledge and skills in diagnosis and management of common health problems as encountered in a family medicine practice.
2. Students should learn the relationships of the family physician to other members of the health care team.
3. Students should learn how to recognize, utilize and apply principles of preventive medicine and community health in a family practice.
4. Students should learn or improve skills in communication, doctor/patient relationships, record keeping and practice management, including financial management.
5. Students should improve skills in diagnostic and therapeutic procedures as may be encountered in a family practice.

*** THE STUDENT MUST ARRANGE HIS/HER OWN HOUSING.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Students will observe and participate in all activities within the private practice of the selected physician or group: in the office, hospital, nursing home, ER, and on house calls. Specific duties will be arranged by the student with the assigned physician and could include seeing patients in all of the locations above, developing diagnostic and management plans, record keeping, assisting in surgery or OB, etc. Students should participate with the physician in hospital staff and committee meetings and county medical society activities as the occasions arise.

Mountain Home: Drs. Burnett, Paden, and Williams (Contact Donna Burnett 870-425-3030)
Mountain Home: Drs. Adkins, Hodges, White, Gaston, and Wilbanks (Contact Joann Benedict 870-425-3131)

The maximum number of students is actually one per practice site. Before signing up for this rotation, even in the initial elective request, check with AHEC central (686-5260) to be sure the practice site you want is open.

HOURS PER WEEK:

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<tr>
<th>Conference:</th>
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</table>

Page 20
OBJECTIVES AND/OR GOALS:

This course can be taken at any of the primary care sites listed below and is an elective and not a primary care selective. It is designed to accomplish the goals and objectives as listed below:

1. Students should gain knowledge and skills in diagnosis and management of common health problems as encountered in a family medicine practice.
2. Students should learn the relationships of the family physician to other members of the health care team.
3. Students should learn how to recognize, utilize and apply principles of preventive medicine and community health in a family practice.
4. Students should learn or improve skills in communication, doctor/patient relationships, record keeping and practice management, including financial management.
5. Students should improve skills in diagnostic and therapeutic procedures as may be encountered in a family practice.

*** THE STUDENT MUST ARRANGE HIS/HER OWN HOUSING FOR ALL SITES.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will observe and participate in all activities within the private practice of the selected physician or group: in the office, hospital, nursing home, ER, and on house calls. Specific duties will be arranged by the student with the assigned physician and could include seeing patients in all of the locations above, developing diagnostic and management plans, record keeping, assisting in surgery or OB, etc. Students should participate with the physician in hospital staff and committee meetings and county medical society activities as the occasions arise.

Calico Rock: Drs. A. Grasse, R. Lane, and D. Wright
Eureka Springs: Drs. G. Kresse and D. Bell
Farmington: Drs. Jamal Abdin and Laura Hardin
Gentry: Drs. Robert Weaver and John Caswell
Gravette: Dr. Nancy Jones
Harrison: Drs. Tom Langston, Cathy Clary, and Kevin Jackson
Huntsville: Drs. T. Embry, Barrett and Stallcup
Lincoln: Drs. Ben Hall and S. Ferguson

The maximum number of students is actually one per practice site. Before signing up for this rotation, even in the initial elective request, check with AHEC central to be sure the practice site you want is open.

HOURS PER WEEK:

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<tr>
<th>Conference:</th>
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<td>Reading: 2</td>
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Page 21
OBJECTIVES AND/OR GOALS:
The evaluation of patients in a rural setting with specific emphasis on diagnosis by history and physical exams.

The understanding of the use of limited resources and the utilization of effective diagnostic procedures.

The care of the chronically ill, the aged and those with special needs where facilities are limited.

The knowledge of when to refer patients whose illnesses are beyond the scope of the rural facilities.

This course is offered in Lewisville at the Community Health Center Clinic and in Ashdown, Arkansas.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will be responsible for the examination with write-up of history and physical on patients. No more than three to four new patients daily.

Daily discussion with instructor.

The student will be required to attend one conference a week: Tumor, Chest, and Residency Noon Conference, Neuro-Radiology.

HOURS PER WEEK:
Conference: 32 Ward: 1 Lab: 1 Library: 3 O.R.: 1
Clinic: 32 Lecture: 1 Reading: 3 Other: 1 Total: 40
OBJECTIVES AND/OR GOALS:

Goals and Objectives:

1. Students should gain knowledge and skills in diagnosis and management of common health problems as encountered in a family medicine practice while experiencing the benefits and satisfaction continuity of care provides.
2. Students should learn the relationships of the family physician to other members of the health care team.
3. Students should learn how to recognize, utilize and apply principles of preventive medicine and community health in a family practice.
4. Students should learn or improve skills in communication, doctor/patient relationships, record keeping and practice management including financial management.
5. Students should improve skills in diagnostic and therapeutic procedures as may be encountered in a family practice.
6. Knowledge will be gained in the role of the family practice physician in the hospital and the civic/social functions of the community.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will observe and participate in all activities within the private practice of the selected physician or group: in the office, hospital, nursing home, ER and house calls. Specific duties will be arranged by the student with the assigned physician and could include seeing patients in all of the locations above, developing diagnostic and management plans, record keeping, assisting in surgery or OB, etc. Students should participate with the physician in hospital staff and committee meetings and county medical society activities as the occasions arise. Students will be expected to do self-study activities related to cases or diseases encountered.

Evaluation forms relating to the elective experience, as well as to the physician/teacher, will be completed by the participants. (Housing will be provided for the student).

This elective is shown as taking place at the Pine Bluff AHEC. However, the rotations will actually be in the following towns: DeWitt, England, Monticello, McGehee, Rison, Altheimer, and Stuttgart. The maximum number of students is actually one per practice location (town). Before signing up for this rotation, even in the initial elective request, you should check with AHEC central and make sure the town you want is open.

HOURS PER WEEK:

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</table>
OBJECTIVES AND/OR GOALS:
Proficiency in acquisition and interpretation of clinical information, and formulation of plans for management of common problems.

Observation of the performance of certain diagnostic procedures (e.g. bone marrow aspiration).

Instruction and experience in interpretation of the morphology of blood and marrow and in the use of other less commonly used hematological tests.

Interpretation of relevant hematological procedures done by nuclear medicine laboratory.

* Drs. Flippin and Fleck

SPECIFIC DUTIES OF SENIOR STUDENTS:
Ward rounds on hematology patients daily; initial evaluation and formulation of hematology consultations.

Work up patients admitted to service of student's preceptor.

Daily AHEC conferences.

HOURS PER WEEK:
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</table>
COURSE: Internal Medicine  
DURATION: 4 weeks  
DIRECTOR: Drs. Fincher and Covey  
PHONE: (501) 686-5260  
MAIL SLOT: AHEC  
LOCATION: AHEC-Central Office (Searcy)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: CINMB  

OBJECTIVES AND/OR GOALS:
To develop a diagnostic and therapeutic approach to the adult patient with common medical problems; to include establishment of a defined database, assessment and management and concept of health care maintenance for adults. Major emphasis will be on clinical problem-solving for adult patients. To understand the concept of health care teams including physicians, nurse practitioners, clinical pharmacists, social workers and nutritionists; and the function of such teams in provision of primary care. To develop the knowledge and skills necessary for the management of patients with chronic diseases, and patients with multiple and often interdependent problems. This management will include concepts of patient education and patient compliance and utilization of resources of the community to maintain or return the patient to his desired level of function.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The senior student will evaluate new patients as assigned by local physician-preceptor. These work-ups involve a complete history and physical examination, an assessment of the findings and formulation of a plan for diagnosis and management. The student will provide follow-up care for these patients over the four-week period, in coordination with other members of the team. The student is to be responsible for medical literature pertinent to the total care of his patients. The student will participate in the didactic portion of a core curriculum and participate in appropriate conferences. The student will document and review his experience with the assigned preceptor. For further information contact AHEC Central Office, UAMS, extension 5260.

HOURS PER WEEK:
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COURSE: Internal Medicine  
DURATION: 4 weeks  
DIRECTOR: Drs. Neaville or Walton  
PHONE:  
MAIL SLOT: 599  
LOCATION: AHEC-North Central (Batesville)  
MAX STUDENTS: 1  
MIN STUDENTS: 0  
AVAILABLE: All Blocks  
COURSE#: BINMI

OBJECTIVES AND/OR GOALS:
To gain knowledge of, and skill in dealing with, the health problems frequently encountered by the internist practicing primary care. To gain insight into the role of the internist in the management of complicated patients with multisystem disease. To learn the relationship of the internist to other members of the health care team. To gain knowledge and skill in dealing with community resources such as home health and home I.V. services. To acquire knowledge of the business, the personnel, and practice management aspects of a private practice internal medicine office. To clarify educational and professional goals. To observe the practice of internal medicine in a community hospital. To understand the role of the internist in surgical consultation. Gain understanding of the evaluation of chest pain and other common medical presentations.

Phones: Dr. Neaville - 870-698-1635 and Dr. Walton - 870-793-2223

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will observe and participate in all phases of the designated physician's private practice, including clinic and hospital work. The student will be responsible for reviewing the literature pertinent to the cases encountered as directed by the physician preceptor. The student will receive ongoing and end-of-course evaluations from his/her private practice preceptor. Students will attend conferences as scheduled.

HOURS PER WEEK:

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COURSE: Neurology
DURATION: 4 weeks
DIRECTOR: Dr. Wayne Lai
PHONE: (870) 793-5200
MAIL SLOT: AHEC
LOCATION: AHEC-North Central (Batesville)
MAX STUDENTS: 1
MIN STUDENTS: 0
AVAILABLE: All Blocks
COURSE#: BNEUD

OBJECTIVES AND/OR GOALS:
1. Localization of CNE/PNS lesions
2. Proper neurological examination
3. Anatomic/Clinical correlations

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Basic neuro exam
2. UMNLL vs. LMNL
3. Neuro-anatomical localization

HOURS PER WEEK:
Conference: 0  Ward: 0  Lab: 0  Library: 0  O.R.: 0
Clinic: 0  Lecture: 0  Reading: 0  Other: 0  Total: 0
OBJECTIVES AND/OR GOALS:
1. Technical Skills to be Learned:
   a. Neurological examination

2. Factual knowledge to be gained:
   a. Ability to interpret symptoms and signs related to the nervous system and muscle.
   b. Ability to diagnose diseases of the nervous system and muscle to the point of major categories such as cerebral vascular disease, intracranial tumor, etc. and some specific diseases.
   c. Ability to know when to seek additional neurological consultation and specialized neurological testing.
   d. Ability to diagnose and treat common neurological conditions.

* Drs.: Chan, South, and Spanos

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Reading assignments: Textbook and recent literature reading relative to the acting intern's patients.

2. Expected patient load: Two to five inpatients per week, six to twelve outpatients per week. On the inpatient service, the student cares for his patients under the supervision of the teaching faculty. In the clinic, the student cares for his patients with consultation of a member of the faculty.

3. Weekly schedule and daily activities: The student is expected to make daily rounds with the staff. The student is also expected to participate in scheduled conferences.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

Skills to be learned:
  a. Neurological examination.
  b. Usefulness and indications for EEG, EMG, and NCV, as well as myelography.
  c. Ability to know when to seek additional neurological consultation and specialized neurological testing.
  d. Ability to diagnose and treat epilepsy.

Factual knowledge to be gained:
  a. Ability to interpret symptoms and signs related to the nervous systems and muscle.
  b. Ability to diagnose diseases of the nervous systems and muscle to the point of major categories such as cerebral vascular disease, intracranial tumors, etc., and some specific neurological diseases.
  c. Ability to know when to seek additional neurological consultation and specialized neurological testing.
  d. Ability to diagnose and treat epilepsy.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Reading assignments with subsequent discussions.

Assigned projects: None

Expected patient load: Minimal, but one-to-one contact with a private practice neurologist and his daily routine will be at a maximum. There will be time to attend the usual conferences held by the AHEC program in Pine Bluff. Time will be spent with slide and video tape programs, which are available here and which pertain to the practice of neurology from the family practice and general practice standpoint. There will be a minimum of busy type work such as repetitive histories and physicals and things of this nature. However, there will be sufficient patient load during the elective so that some expertise will be gained in these areas.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
Observation and participation of hospital and office practice in Neurosurgery.

Training in the utilization of diagnostic neurologic procedures including C.T. Scan, Ultrasonography, etc.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Students will work directly with and under the supervision of private practice neurosurgeons.

Students will be expected to do complete history and physical exams including the neurologic evaluation of assigned patients, to include in-patients and out-patients.

Students will participate in pre- and post-op care and assist in neurosurgical procedures as indicated.

Attend monthly conferences: Tumor, Chest, Neuroradiology, Residency Noon Conference.

HOURS PER WEEK:

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COURSE: Neurosurgery  DURATION: 4 weeks
DIRECTOR: Dr. Nancy Griffin and Dr. Malik  MAX STUDENTS: 1
PHONE: (870) 779-6016  MIN STUDENTS:
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Southwest (Texarkana)  COURSE#: TNSUC

Page 30
OBJECTIVES AND/OR GOALS:

To gain experience, under supervision, in the office and hospital management of the most common conditions encountered in private practice of obstetrics and gynecology.

(*) Robert Chin, M.D.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Daily office hours and daily hospital visits with appropriately scheduled night call, assisting in operating room, labor and delivery room, library time and reading time. Reading assignments in connection with current cases seen in the practice.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To provide experience, under supervision, in the office and hospital management of the most common conditions encountered in the private practice of Obstetrics and Gynecology.

* Drs.: Beruman, Muylaert, Poole, Glover, Bell, K. Phillips, D. Phillips, Torres, Haraway, McClanahan, Marvin, Musick, Basinger, and Laws.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily office hours and daily hospital visits with appropriately scheduled night call, assisting in operating room, labor and delivery room. Library time and reading time. Reading assignments in connection with current cases seen in the practice.

As the schedule and workload permit, the student will observe and participate in regularly scheduled daily noon conferences and hospital staff meetings.

HOURS PER WEEK:

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COURSE: Obstetrics and Gynecology  
DURATION: 4 weeks  
DIRECTOR: Drs. Glover and (*)  
PHONE: (479) 783-2431  
MAIL SLOT: AHEC  
LOCATION: AHEC-Fort Smith  
MAX STUDENTS: 1  
AVAILABLE: All Blocks  
COURSE#: SOBGK
OBJECTIVES AND/OR GOALS:
To gain experience, under supervision, in the office and hospital management of the most common conditions encountered in private practice of Ob/Gyn.

* Drs.: Emerson, Fields, Stripling, Dunn, Rauls, Wilkie, Edwards, and Delacey

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily office hours and daily hospital visits with appropriately scheduled night call, assisting in operating room, labor and delivery room, library time and reading time. Reading assignments in connection with current cases seen in the practice. There are regularly scheduled weekly CME conferences and slide/tape presentations, in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:

|-------------|----------|------|----------|----------|-----------|----------|---------|-------|-----------|

COURSE: Obstetrics and Gynecology
DIRECTOR: Drs. Montgomery and (*)
PHONE: (870) 972-0063
MAIL SLOT: AHEC
LOCATION: AHEC-Northeast (Jonesboro)
MAX STUDENTS: 1
MIN STUDENTS: 1
AVAILABLE: All Blocks
COURSE#: JOBGA
OBJECTIVES AND/OR GOALS:

Technical Skills:

Observation and assistance in the management of obstetrical and gynecological patients.

Factual knowledge to be gained:

Obstetrics:
   (a) Induction methods and indications
   (b) Analgesia and anesthesia
   (c) Operative obstetrics
   (d) Complications (medical and surgical) of obstetrical patients during pregnancy

Gynecology:
   Diagnosis and management of gynecological disease

SPECIFIC DUTIES OF SENIOR STUDENTS:

Delivery of obstetrical patients under supervision.

Assist with examination and treatment of patients.

Daily hospital rounds with physicians.

Night call four nights a week, as desired.

History and physical on OB Specialty Clinic patients, average one to three daily.

HOURS PER WEEK:

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COURSE: Obstetrics And Gynecology  DURATION: 4 weeks
DIRECTOR: Drs. Garrett and Leonard  MAX STUDENTS: 1
PHONE: (870) 779-6016  MIN STUDENTS: 
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Southwest (Texarkana)  COURSE#: TOBGC

OBJECTIVES AND/OR GOALS:
Technical skills: Observation and assistance in management of obstetrical and gynecological patients.

Factual knowledge to be gained:
Obstetrics:
   Induction methods and indications.
   Analgesia and anesthesia.
   Operative obstetrics.
   Complications (medical and surgical) of obstetrical patients during pregnancy.
   Management of labor - normal and abnormal.

Gynecology:
   Diagnosis and management of gynecological disease.
   Preoperative and postoperative care.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Delivery of maternity-clinic patients under supervision.

Attend maternity clinic (Health Unit) weekly with examination and treatment of patients.

Daily rounds with physicians - in hospital by 7:00 a.m. except Sunday.

Night call four nights a week as desired.

History and physical on Maternity Clinic patients, average one to three daily.

The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:
Clinic: 20  Lecture: 2  Reading: 6  Other:  Total: 63
COURSE: Rural Obstetrics and Gynecology  
DURATION: 4 weeks  
DIRECTOR: Drs. Becky Hall and Pitt Moore  
PHONE: (870) 265-5351  
MAIL SLOT: AHEC  
LOCATION: AHEC-Delta (Helena)  
MAX STUDENTS: 2  
MIN STUDENTS: 2  
AVAILABLE: All Blocks  
COURSE#: DOBWO

OBJECTIVES AND/OR GOALS:
To provide students with insight and management of Ob/Gyn patients in a rural setting - both clinic and hospital practice.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Hands on teaching in clinic and labor room.
History and physical exam of both Ob and Gyn patients
Present and assist at surgery
Observe vaginal deliveries

HOURS PER WEEK:
| Conference: 1 | Ward: 1 | Lab: 0 | Library: 0 | O.R.: 0 |
| Clinic: 40 | Lecture: 0 | Reading: 1 | Other: 0 | Total: 43 |
OBJECTIVES AND/OR GOALS:
Participants will be taught orthopaedic history and physical examination techniques with emphasis placed on diagnosis, including elicitation of mechanism of injury, application of functional anatomy, and roentenographic interpretations. Students will be taught proper and effective cast application and cast removal techniques. Students will have the opportunity to assist in cast application during emergency call with the orthopaedist. Students may be taught proper application of traction, such as Buck's skin traction and to assist in the application of more complicated traction methods. Participants will learn functional anatomy as it relates to orthopaedic diagnosis and treatment and will gain expertise in diagnosis and managment of more commonly seen orthopaedic problems. It is anticipated that a student completing this elective will be skilled in performing physical examination of the spine and extremities and competent in orthopaedic diagnosis.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will participate in hospital rounds and in out-patient evaluation and treatment in the private office. Night and weekend call are not mandatory but may be recommended on an individual basis. The student will be assigned one to three new patients per day in either hospital or clinic for full evaluation. He will assist in surgery and cast application. Reading Assignments: Shand's Handbook of Orthopaedic Surgery is recommended. Additional reading by individualized assignment as described above. For further information contact AHEC Central Office, UAMS, extension 5260.

HOURS PER WEEK:

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COURSE: Orthopaedic Surgery
DURATION: 4 weeks
DIRECTOR: Dr. James McCoy
PHONE: (501) 686-5260
MAIL SLOT: AHEC
LOCATION: AHEC-Central Office (Searcy)
MAX STUDENTS: 1
MIN STUDENTS:
AVAILABLE: Blocks 1,3,4,5,7,and 9
COURSE#: CORTF
OBJECTIVES AND/OR GOALS:
To gain experience, under supervision, in the office and hospital management of the most common conditions encountered in private practice of Orthopaedics.

* Drs.: Dickson, Schrantz, Ball, Woloszyn, Stroope, Moseley, Cooper, Brandt, Guinn, and Day

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily office hours and daily hospital visits with appropriately scheduled night call, assisting in operating room, library time and reading time. Reading assignments in connection with current cases seen in the practice. There are regularly scheduled weekly CME conferences and slide/tape presentations in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in the AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To gain practical experience in diagnosis and management of common and simple orthopaedic problems.

Technical skills to be learned include:

Orthopaedic history and physical examination techniques.
Traction techniques.
Plaster techniques - The student will have the opportunity to assist in plaster case application during emergency call with resident on duty.

Factual knowledge to be gained:

Functional anatomy as it pertains to orthopaedic diagnosis and treatment. Diagnosis and treatment of common orthopaedic problems. Emergency care of musculoskeletal injuries: rapid diagnosis of musculoskeletal injuries at the site; splinting of musculoskeletal injuries at the accident site using available material; initial management of open musculoskeletal injuries including those with vascular impairment; transportation of injured patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily activities - student will be assigned and activities directed by the assigned preceptor.

Reading Assignments: Textbook of Disorders and Injuries of the Musculoskeletal System, by Robert B. Salter; Fractures, by Rockwood and Green.

* Drs.: Tom Patrick Coker, Park, Pleimann, Matthew Coker, and Hanby

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To provide experience, under physician supervision, in the office and hospital management of many conditions encountered in the private practice of Orthopaedics.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will have acting intern level responsibilities and will be assigned to a general Orthopaedist. The student will engage in decisions at all levels of patient care, including emergency room visitation, hospital visitation, assisting in the operating room and office and consultative visits with preceptor. The student will attend and participate in scheduled teaching conferences and in appropriate library research and other forms of study time.

HOURS PER WEEK:
|-----------|----------------|---------|------|-------------|---------|-----------|------------|-----------|-------|-----------|

COURSE: Orthopaedics
DIRECTOR: Dr. Dwayne Daniels and Dr. Massanelli
PHONE: (870) 862-2489
MAIL SLOT: AHEC
LOCATION: AHEC-South Arkansas (El Dorado)
DURATION: 4 weeks
MAX STUDENTS: 1
MIN STUDENTS: 1
AVAILABLE: All Blocks
COURSE#: EORTA
OBJECTIVES AND/OR GOALS:

1. To provide students with an understanding of the wide range of injuries and orthopedic conditions encountered in the private practice of this specialty.

2. To allow students to participate in the diagnosis and treatment of orthopedic patients.

*Drs: T. Young, Smolarz, DeHaan, Hilborn, and Gregory.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will be assigned to one Orthopedist and will be able to see patients in the office, in the Emergency Rooms and to assist in the Operating Room. Rounds in the hospital will be made with the attending physician and the student will have the opportunity of following patients throughout their course.

Reading assignments will be made related to the patients seen.

The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:

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COURSE: Orthopaedics  
DURATION: 4 weeks  
DIRECTOR: Drs. Alkire and *  
PHONE: (870) 779-6016  
MAIL SLOT: AHEC  
LOCATION: AHEC-Southwest (Texarkana)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: TORTI
OBJECTIVES AND/OR GOALS:
1. To provide students with an understanding of the broad range of topics related to the prevention, diagnosis, and treatment of sports related injuries on the high school and junior high school level.
2. The course is designed specifically for those students who are interested in serving as team physicians in the communities where they practice.

Faculty: Dr. Michael Downs (CAQ in Sports Medicine) and Russ Nelson (Physical Therapist)

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Conducting pre-participation evaluations.
2. Working with team physicians and trainers of the four high schools in Texarkana.
3. Being present during practice sessions.
4. Game coverage.
5. Accompanying injured athletes during specialist consultations.
6. Participation in rehabilitation activities.

The student will be required to conduct a survey of sports medicine literature related to injuries encountered. The student will be encouraged to make a written report on some aspect of sports medicine during the course, with the expectation of having the article published.

The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:
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OBJECTIVES AND/OR GOALS:

Technical Skills to be learned:
a. ENT surgical history and physical
b. Preoperative evaluation of patients
c. Participating in ENT surgical procedures
d. Performing some minor surgical procedures under direction
e. Postoperative care
f. Follow-up review and care in physician's office, individual option

General Objectives:
a. Integration of basic science knowledge into care of ENT patients
b. Role of ENT surgeon in a general community hospital
c. Activities of an ENT surgeon in his office practice, individual option

Phones: Dr. Rumans - 870-698-1846
Dr. Orlando - 870-793-3636

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Each student will be assigned to one or both ENT surgeons
   a. Perform and dictate for the chart a pertinent history and physical
   b. Outline a set of admission orders, call the attending physician, and place orders in the chart when confirmed by the physician
   c. Will consult texts and current literature relevant to each ENT surgical procedure planned, and be prepared to discuss this with the surgeon
   d. Will spend days rounding with the ENT surgeon, spend days in clinic and relevant clinic days with the ENT surgeon, and spend OR time either in clinic or in the hospital when assigned ENT surgeon is operating
   e. Will ascertain rounding time and make daily rounds with assigned staff
   f. Will consult text and current literature relevant to unusual ENT patients, and prepare to discuss this with the assigned preceptor

2. Students will attend conferences as scheduled

3. Assisting in the Emergency Room can be arranged individually

4. Will be expected to scrub on approximately 10-15 cases per week with his/her preceptor/preceptors.

HOURS PER WEEK:

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<tr>
<th>Conference</th>
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COURSE: Otolaryngology                        DURATION: 4 weeks
DIRECTOR: Drs. Wills and (*)                  MAX STUDENTS: 1
PHONE: (479) 785-2431                         MIN STUDENTS: 
MAIL SLOT: AHEC                                AVAILABLE: All Blocks
LOCATION: AHEC-Fort Smith                      COURSE#: SENTD

OBJECTIVES AND/OR GOALS:
Technical Skills to be Learned:
  Indirect laryngoscopy
  Nasopharyngoscopy
  Rhinoscopy
  Otoscopy and myringotomy
  Management of epistaxis

Factual knowledge to be gained:
  Indication for special ear, nose, and throat surgical procedures
  Management of acute otitis media
  Diagnosis and treatment of sinusitis
  Management of dizzy patient
  Principles of head and neck cancer therapy
  Management of maxillofacial trauma

* Drs. Wills, Gwartney, Lansford, and Marsh.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily Activities:
  Daily rounds with faculty
  Ward work as assigned by faculty
  Assistant in operating room with faculty

Reading assignments: as directed by faculty prior to arrival.

Assigned projects: none

Conferences: Daily teaching conferences.

HOURS PER WEEK:

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COURSE: Otolaryngology  
DURATION: 4 weeks  
DIRECTOR: Drs. Shorts and Potts  
PHONE: (501) 541-7611  
MAIL SLOT: AHEC  
LOCATION: AHEC-Pine Bluff  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: PENTF  

OBJECTIVES AND/OR GOALS:  
Technical skills to be learned  
Indirect Laryngoscopy  
Nasopharyngoscopy  
Rhinoscopy  
Otoscopy and myringotomy  
Management of epistaxis  
General knowledge of ENT operating room procedures  

Fctual knowledge to be gained:  
Ability to do complete ear, nose, throat history and physical examination  
Management of general office problems  
General knowledge of office management  
Indications for common ear, nose, and throat surgical procedure  

SPECIFIC DUTIES OF SENIOR STUDENTS:  
Daily Activities:  
Attendance and scrub in surgery  
Hospital rounds  
Participation in office or clinic evaluation of patients  

Reading assignments: To be announced  
Assigned Projects: To be announced  
Conference Schedules: Same as all senior students in AHEC programs.  
Expected Patient Load: 300 patients per week in office  
average 13-14 cases per week - surgical.  

HOURS PER WEEK:  
Conference: 5  
Ward: 10  
Lab:  
Library:  
O.R.: 20  
Clinic: 20  
Lecture: 2  
Reading:  
Other:  
Total: 57
OBJECTIVES AND/OR GOALS:
To augment the existing medical education experience in ENT by providing exposure to and better understanding of the evaluation and management of patients in the office and in the hospital, all under the supervision of a qualified Otorhinolaryngologist. To demonstrate comprehensive and continuous patient care which will provide a basic practical knowledge that can be used in General Practice. To improve skills in diagnosis and therapy by providing the student with increased responsibility under close supervision by an Otorhinolaryngologist. To maintain a low student-teacher ratio and emphasize clinical bedside approach to learning. To provide practical experience in conduction of an ENT history and examination, evaluation of normal and abnormal findings, how to use head mirror and laryngeal mirror, nasal packing techniques, and the fundamentals of audiological testing and interpretation.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will be assigned to an ENT specialist on a 1:1 basis and will observe and participate in all activities of that practice. Specific skills to be learned should include: how to do a good ENT history and examination, how to evaluate normal and abnormal findings, how to use head mirror and laryngeal mirror and fiberoptic nasolaryngoscope, nasal packing techniques, and the basic fundamentals of audiological testing and the interpretation of these tests. The student will engage in decisions at all levels of patient care. He/she will assist in common ENT procedures as outlined above. He/she will participate in hospital rounds and consultations, and in the office management of common ENT problems. He/she will study the textual and audio-visual materials as assigned, and will attend and participate in regularly scheduled conferences.

HOURS PER WEEK:

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<tr>
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COURSE: Otorhinolaryngology  DURATION: 4 weeks
DIRECTOR: Dr. Pillsbury  MAX STUDENTS: 1
PHONE: (870) 862-2489  MIN STUDENTS:
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-South Arkansas (El Dorado)  COURSE#: EENTA
COURSE: Oto-Rhino-Laryngology  
DURATION: 4 weeks  
DIRECTOR: (*)  
PHONE: (870) 972-0063  
MAIL SLOT: AHEC  
LOCATION: AHEC-Northeast (Jonesboro)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: JENTE

**OBJECTIVES AND/OR GOALS:**
To gain experience, under supervision, in the office and hospital management of the most common conditions encountered in private ENT practice.

* Drs.: Young, Jiu, Lansford, Woodward, Lewis, Smith, and Sales

**SPECIFIC DUTIES OF SENIOR STUDENTS:**
Daily office and daily hospital visits with appropriately scheduled night call, assisting in operating room, library time and reading time. Reading assignments in connection with current cases seen in the practice. There are regularly scheduled weekly CME conferences and slide/tape presentations in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in the AHEC library in addition to other AV materials for student and faculty use.

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<th>HOURS PER WEEK:</th>
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OBJECTIVES AND/OR GOALS:
To prepare the students for the practice of medicine by exposing them to the pathology of the various diseases encountered in medicine and the results of therapy. To acquaint the student with the role of the pathologist in the practice of medicine and to instruct them in the information, methods and limitations of pathology.

Technical skills to be learned:
- Necropsy Technique
- Gross surgical pathology
- Microscopic examinations of pathological specimens
- The techniques of one of the branches of the clinical laboratory (alternative)

* Drs.: Stainton, Jennings, Houn, and Sales

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily activities: Conduct necropsies (1-3 per elective) as scheduled. Read microscopic slides on autopsies and check results with staff physician. Assist pathologist in gross examinations of surgical specimens. Study of study sets of Kodachromes and microscopic slides. Work in one of the clinical laboratories under the supervision of the clinical pathologist. Student Seminar - Each student will select with his advisor a subject and present a seminar on it. Conferences - The student will attend the regularly scheduled weekly CME conferences and monthly tumor conference.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

The overall goal of this elective will be an attempt to show the student how the pathologist fulfills a role in the practice of medicine. This will be done by observing and participating in a wealth of activities in association with NWA Pathology Associates and Washington Regional Medical Center Laboratory Services. Spheres of activity will include clinical laboratory, examination of pathological specimens both grossly and microscopically, cytopathology cases (i.e. Gyn PAP Smear, FNA specimen and non-Gyn cytology), necropsies, bacteriology and virology labs, and research activities.

* Drs. Hendrycy, Simmons, Kraichoke, Dilday, Fink, Whiteside, and Gui

SPECIFIC DUTIES OF SENIOR STUDENTS:

Work in clinical lab under supervision in one or more sections.

a. Hematology - learning principles, calibration and use of automated counters; case studies of interesting hematologic problems.
b. Chemistry - case studies of interesting problems; learning principles of operation of multi-channel analyzers and how quality control is applied.
c. Immunohematology - case studies of interesting blood banking and immunology problems.
d. Microbiology - techniques and case studies of interesting problems.

Participate in gross and microscopic study of surgical and cytopathology specimens. Participate in gross and microscopic necropsy studies. Reading, microscopic, or audiovisual study assignments. Attend AHEC teaching conferences each week.

HOURS PER WEEK:

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</table>
COURSE: Pathology  
DURATION: 4 weeks  
DIRECTOR: Drs. Joyce, Dodd, and Griffin  
PHONE: (870) 779-6016  
MAIL SLOT: AHEC  
LOCATION: AHEC-Southwest (Texarkana)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: TPATE  

OBJECTIVES AND/OR GOALS:
Specific Goals: To prepare the student for the practice of medicine by exposing him to the pathology of the various diseases encountered in medicine. To introduce the student to the role of the pathologist in the practice of medicine and to instruct him/her in the information, methods, and limitations of pathology.


SPECIFIC DUTIES OF SENIOR STUDENTS:
Assist in autopsies.

Assisting preparation and presentation of C.P.C.s.

Read Microscopic slides on autopsies and check results with staff physician.

Assist pathologist in gross examination of surgical specimens.

Study of study sets of microscopic slides.

Work in one of the clinical laboratories under the supervision of the clinical pathologist.

The student will be required to attend the following conferences: Tumor Board, Chest, and Residency Noon Conferences.

HOURS PER WEEK:

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COURSE: Rehabilitation Medicine  
DURATION: 4 weeks  
DIRECTOR: Dr. Terry Braden  
PHONE: (870) 972-0063  
MAIL SLOT: AHEC  
LOCATION: AHEC-Northeast (Jonesboro)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: JRHAA

OBJECTIVES AND/OR GOALS:

1. Technical Skills
   a. Obtain a history from patients with neuromusculoskeletal disorders with particular emphasis on functional limitations, residual abilities and socio-economic status.

2. Factual Principles
   a. Formulate a problem list including medical, functional and socio-economic status.
   b. Principles of prescription for therapies and exercise.
   c. Learn appropriate functions of a rehabilitation team, physical and occupational therapists, speech pathologists, vocation and rehabilitation counseling.

* Dr. Terry Braden NE Arkansas Rehabilitation Hospital, Jonesboro

SPECIFIC DUTIES OF SENIOR STUDENTS:

a. Students will be assigned to attending physician at Northeast Arkansas Rehabilitation Hospital.
c. No night call.

Reading Assignments: Specific references will be assigned for self-study during the rotation.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

1. To become familiar with psychiatric, neurological, and medical problems of the geriatric patient.
2. To learn how to perform the complete neuropsychiatric evaluation on the geriatric patient.
3. To become familiar with commonly used laboratory tests and their significance in the geriatric population.
4. To become familiar with neuroimaging in the geriatric patient.
5. To become familiar with the inpatient milieu for the geriatric patient.
6. To learn to participate in the geriatric patient's treatment using appropriate psychotherapeutic modalities, including pharmacologic agents when indicated.
7. To learn how to meet with, communicate with, and involve the family of the geriatric patient in one's inpatient treatment and after care.
8. To participate in consultation liaison service involving geriatric patients and to provide the primary care physician with needed assistance.
9. To participate in the geriatric patient's outpatient clinic follow-up following inpatient care.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. To make rounds on each inpatient with the attending physician each morning.
2. To see, evaluate, and participate in the therapy of each geriatric patient on a daily basis in an inpatient setting.
3. To meet with the attending physician, nursing staff, and families for weekly treatment team meetings.
4. To provide consultation liaison services regarding geriatric patients along with the attending physician.
5. To review lab work, neuroimaging, and mental status of each geriatric patient with attending physician daily.
6. To see geriatric patients in outpatient follow-up with attending physician in his office three days each week.
7. To communicate with primary care physicians regarding their inpatient and outpatients.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To orient the student to Psychiatry as practiced in a Community Mental Health Center, specifically Inpatient, Outpatient, Day Treatment, Consultation and Education and Emergency Service. To correlate psychiatric disease entities with specific treatment techniques and modalities with emphasis on psychopharmacology. To provide a role model in the psychiatric approach to total and complete patient care. To participate in the utilization of allied health professionals in the team concept approach to patient care.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Inpatient: Daily rounds with appropriate new patient assignments. Day Treatment orientation with clinical follow-up of assigned patients, including group therapy.

Outpatient: Participation in primarily medication-check-type of psychiatric patients under direct supervision of a psychiatrist.


Individual new outpatient assignments and weekly staffing conferences.

Assigned Emergency Room coverage with acting intern level responsibilities.

Teaching conferences as scheduled.

HOURS PER WEEK:
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COURSE: Psychiatry-Private Practice
DIRECTOR: Dr. Tobey and (*)
PHONE: (870) 779-6016
MAIL SLOT: AHEC
LOCATION: AHEC-Southwest (Texarkana)

DURATION: 4 weeks
MAX STUDENTS: 1
MIN STUDENTS: 
AVAILABLE: All Blocks
COURSE#: TPSYF

OBJECTIVES AND/OR GOALS:
1. Enhance interviewing skills and mental status examination.
2. Examine the physician's feelings toward illness in our society.
3. Encounter and learn about psychiatric disorders that present to a private psychiatric hospital and a private outpatient practice.
4. Learn some fundamentals of administrative psychiatry.
5. Learn about common psychopharmacologic agents.

(*) Dr. Chester Jenkins

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Student will perform inpatient admission evaluation and work-up of approximately two new inpatients per week under close supervision of attending physician.

2. Student and attending will round and discuss patients daily.

3. Student will accompany attending to a CMHC one afternoon per week to become involved in administrative psychiatry.

4. Student will discuss with attending the use of psychopharmacologic agents in patients the student follows.

5. Student will spend three afternoons per week in an outpatient clinic observing suitable cases.

6. The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:
Conference: 3  Ward: 17  Lab: 
Clinic: 12  Lecture: 3  Reading: 3  Library: 2  Other: 
O.R.: 
Total: 40
OBJECTIVES AND/OR GOALS:
Technical Skills: Systematic evaluation of patients by problem method, interpretation of chest x-rays.
Factual Knowledge: Emphasis on diagnosis and therapeutics of chest disease.

(*) Drs. Webb, Nolan, Meade, and Tomaya

SPECIFIC DUTIES OF SENIOR STUDENTS:
Primary physician for patients admitted to chest service. Attending rounds with faculty daily.
Primary consultant for pulmonary disease referrals from General Medicine and Surgical Services with review by Faculty.
Daily AHEC conferences.

HOURS PER WEEK:
Conference: | Ward: 20 | Lab: | Library: | O.R.: |
Clinic: 20 | Lecture: | Reading: 10 | Other: | Total: 50 |
OBJECTIVES AND/OR GOALS:

1. Technical skills: proficiency in acquisition of clinical and laboratory information from patients with general pulmonary disease; interpretation of blood gas data in reference to patients; interpretation of gram stains and other microbiological studies. Management of respiratory therapy and appropriate use of drugs.

2. Factual knowledge to be gained: pathophysiology of altered pulmonary function in disease; pathophysiology of chronic respiratory failure, use of antimicrobial drugs, reading chest x-rays; interpretation of pulmonary function tests. Bi-weekly lectures on common lung disease problems.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Consultation on patients referred from Medical, Surgical and Ob/Gyn services. Consultation on patients in all intensive care units. Daily rounds for presentation and follow-up of consult patients. Work under direct supervision of pulmonary specialist.

*Drs.: Cohen, Savage, Hubbard, Sifford, and Walker.

HOURS PER WEEK:

<table>
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**COURSE: **Pulmonary  **DURATION:** 4 weeks

**DIRECTOR:** Drs. Cohen and (*)

**PHONE:** (870) 972-9603

**MAIL SLOT:** 599

**LOCATION:** AHEC-Northeast (Jonesboro)

**MAX STUDENTS:** 1

**AVAILABLE:** All Blocks

**LOCATION:** AHEC-Northeast (Jonesboro)

**COURSE#:** JPULF
COURSE: Pulmonary Medicine  DURATION: 4 weeks
DIRECTOR: Drs. Campbell and (*)  MAX STUDENTS: 1
PHONE: (870) 541-7611  MIN STUDENTS:
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Pine Bluff  COURSE#: PPULB

OBJECTIVES AND/OR GOALS:
To provide an elective in pulmonary medicine as practiced in a community hospital which also serves as a referral center. Students will be expected to participate in clinical evaluation of patients and interpretation of diagnostic studies at a level commensurate with their abilities and interest.

*Drs.: J.C. Campbell and Al-Nashif

SPECIFIC DUTIES OF SENIOR STUDENTS:
Evaluation of new admissions and consultations by complete history and physical examination.

Subsequent day-to-day management of diagnostic and therapeutic pulmonary problems, including those in the intensive care areas. Out-patient follow-up of selected patients.

Interpretation of chest radiographs, arterial blood gases and pulmonary function studies.

Familiarization with respiratory therapy equipment techniques including IPPB, incentive spirometry, O2 therapy and mechanical ventilatory support.

Participation in fiberoptic bronchoscopy and other diagnostic procedures.

Participation in the weekly chest conferences.

Reading assignments on basic topics with more extensive reading of the pertinent literature as subjects arise.

Night and weekend duty average every third day.

HOURS PER WEEK:

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<td>Reading:</td>
<td>Other:</td>
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OBJECTIVES AND/OR GOALS:
The student will gain an over-all understanding of the field of Radiology. He will be instructed in Roentgen anatomy and physiology, both normal and pathologic. This knowledge will then be used to increase the student's skill in Roentgen interpretation. The student will be instructed in the applications and limitations of Radiography. A certain amount of time will be spent on basic machine use. Instruction will be given in fluoroscopic technique and basic special procedure technique. The student will be given instruction in basic Isotope scanning technique and interpretation. This instruction will be given in a one-to-one situation with a Board Certified Radiologist as instructor. The student will be encouraged to take an active part in the day to day activity of the Radiology Department of Sparks Regional Medical Center and St. Edward Mercy Medical Center.

* Dr. Gold (Sparks Regional Medical Center)
  Dr. Drolshagen (St. Edward Mercy Medical Center)

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily activities - The student will spend all his time in the Radiology Department in either Sparks or St. Edward Medical Center.

Reading Assignments:
  Basic Roentgenographic Anatomy by Meeschan.
  Chest Roentgenology by Felson.
  Clinical Radiology by Paul and Juh.
  (The above texts are available in the Radiology Department of either hospital).

AHEC conferences are held at noon Monday through Friday.

Night call on request.

HOURS PER WEEK:
Clinic: 10  Lecture: 10  Reading: 10  Other: 10  Total: 51
COURSE: Radiology  
DURATION: 4 weeks

DIRECTOR: Physicians of North Arkansas Radiology*  
MAX STUDENTS: 1

PHONE: (800) 264-3170  
MIN STUDENTS: 0

MAIL SLOT: AHEC  
AVAILABLE: All Blocks

LOCATION: AHEC-North Central (Batesville)  
COURSE#: BRADM

OBJECTIVES AND/OR GOALS:
To learn fundamentals of radiographic interpretation, indications for special procedures and evaluation of patients for radiation therapy.

*Drs. Joseph, McCann, Jr., McClain, III, and Wadley

SPECIFIC DUTIES OF SENIOR STUDENTS:
Students will observe fluoroscopic examinations with the radiologist. They will be given instruction in a systematic approach to x-ray interpretations, nuclear medicine and abdominal ultrasound, as well as CT scanning, and will attend interpretation sessions with the radiologists. They will review films from the teaching file. Specific reading assignments will be made. There are regularly scheduled weekly CME conferences and slide/tape presentations in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in the AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:
Conference: 0  
Ward: 0  
Lab: 40  
Library: 0  
O.R.: 0  
Clinic: 0  
Lecture: 2  
Reading: 0  
Other: 0  
Total: 42
OBJECTIVES AND/OR GOALS:

To learn fundamentals of radiographic interpretation, indications for special procedures and evaluation of patients for radiation therapy.

* St. Bernards: Drs. Green, Smith, Johnson, and Tidwell
  Methodist Hospital: Dr. John Phillips

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will observe fluoroscopic examinations with the radiologist. He will be given instruction in a systematic approach to x-ray interpretations, nuclear medicine and abdominal ultrasound as well as CT scanning and will attend interpretation sessions with the radiologists. He will review films from the teaching file. Specific reading assignments will be made. There are regularly scheduled weekly CMLE conferences and slide/tape presentations in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available and their use is encouraged. NCME videotape hardware and software are available in the AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To teach fundamentals of radiographic interpretation, indications for special procedures, and evaluation of patients for radiation therapy, under supervision of a practicing Radiologist in a community hospital setting.

* Drs.: Jucas, Ong, Forward, and Edmondson

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will have acting intern level responsibilities, and will be assigned to a Radiologist in a community hospital. The student will observe fluoroscopic examinations with the radiologist. He will be given instruction in a systematic approach to x-ray interpretation and will attend the interpretation sessions with the radiologists. He will review films from the teaching file. MRI and CAT Scan equipment are available to further enhance learning experiences of the student. Specific reading assignments will be accomplished. The student should attend and participate in scheduled conferences. (Good medical library and librarian services are available and their use is encouraged. NCME videotapes are available in the AHEC Library in addition to other audiovisual materials for student and faculty use.)

HOURS PER WEEK:
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OBJECTIVES AND/OR GOALS:
Technical Skills - Fluoroscopy, as well as specific procedures.

Learning limitations of Radiology.

Learning of fundamentals of Interpretation.

Observing applications of radiotherapy with follow-up of cancer patients.

* Drs. Robbins, Mack, and Hill

SPECIFIC DUTIES OF SENIOR STUDENTS:
Observations with participation in procedures in Radiology Department.

Discussion of interpretation with radiologist.

Assigned reading with discussion.

The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:
Conference: 3  Ward: 6  Lab:  
Clinic: 20  Lecture: 2  Reading: 5  Library: 4  Other: 
Total: 40

COURSE: Radiology  DURATION: 4 weeks
DIRECTOR: Drs. Jean and (*)  MAX STUDENTS: 2
PHONE: (870) 779-6016  MIN STUDENTS: 
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Southwest (Texarkana)  COURSE#: TRADG
OBJECTIVES AND/OR GOALS:

Introduction of student to in-patient work-up and management of the hypertensive patient.

Evaluation of fluid and electrolyte problems, care of the patients with end-stage renal disease.

Care of patient, pre- and post-transplant.

Evaluation and management of the patient with glomerulonephritis.

* Drs. Henry, Coleman and Rabideau

SPECIFIC DUTIES OF SENIOR STUDENTS:

Work-up of patients admitted to renal service, independent rounds and rounds with nephrologists. Assignment primarily to service at Sparks Regional Medical Center.

Attendance whenever possible at daily noon AHEC conferences.

HOURS PER WEEK:

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<tr>
<th>Conference</th>
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OBJECTIVES AND/OR GOALS:
1. Technical Skills: proficiency in acquisition of information from patients about renal, fluid, and electrolyte problems; familiarity with diagnostic procedures (e.g. renal biopsy, osmolalities, function tests) in renal medicine.

2. Knowledge to be gained: basic pathophysiology of renal disease; understanding of fluid and electrolyte metabolism in health and disease; fundamentals of hemodialysis and peritoneal dialysis; tissue alterations in renal diseases.

Michael Mackey, M.D., NEA Clinic, Jonesboro

SPECIFIC DUTIES OF SENIOR STUDENTS:
Serve as initial consultant for renal problems; ward rounds on renal patients five days weekly; participation in diagnostic and therapeutic procedures; four half-day clinic; conferences weekly; reading assignments in texts and journals.

HOURS PER WEEK:
- Conference: 4
- Ward: 20
- Lab: 
- Library: 
- O.R.: 
- Clinic: 20
- Lecture: 
- Reading: 
- Other: 
- Total: 44
COURSE: Renal Medicine  DURATION: 4 weeks
DIRECTOR: James Campbell, M.D. and *  MAX STUDENTS: 1
PHONE: (870) 541-7611  MIN STUDENTS: 
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Pine Bluff  COURSE#: PRENC

OBJECTIVES AND/OR GOALS:
1. Technical Skills: proficiency in acquisition of information from patients about renal, fluid and electrolyte problems: familiarity with diagnostic procedures (e.g. renal biopsy, osmolalities, function tests) in renal medicine.
2. Knowledge to be gained: basic pathophysiology of renal disease; understanding of fluid and electrolyte metabolism in health and disease; fundamentals of hemodialysis and peritoneal dialysis; tissue alterations in renal disease.

(*) Drs. Wright and Kashif

SPECIFIC DUTIES OF SENIOR STUDENTS:
Serve as initial consultant for renal problems, ward rounds on renal patients five days weekly, participation in diagnostic and therapeutic procedures, four half-day clinics, conferences weekly, reading assignments in texts and journals.

HOURS PER WEEK:

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Page 65
COURSE: Cardiovascular Surgery - AI
DURATION: 4 weeks
DIRECTOR: Drs. Jaggers and Vernon
PHONE: (479) 785-2431
MAIL SLOT: AHEC
LOCATION: AHEC-Fort Smith
MAX STUDENTS: 1
MIN STUDENTS: 
AVAILABLE: All Blocks
COURSE#: SSUGD

OBJECTIVES AND/OR GOALS:
Proper physical examination for cardiovascular disease.

Arteriogram and cineangiogram interpretation.

Learn and assist in the intensive care management of cardiovascular surgical patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily rounds with faculty.

Attend daily teaching conferences.

Scrub and assist on all surgical procedures.

Assist in cardiovascular surgery laboratory.

Read suggested literature.

HOURS PER WEEK:
Clinic: 20 Lecture: Reading: 10 Other: Total: 50
Page 66
OBJECTIVES AND/OR GOALS:

1. Technical Skills to be learned:
   a. Surgical history and physical
   b. Preoperative evaluation of patients
   c. Participating in major surgical procedures
   d. Performing some minor surgical procedures under direction
   e. Postoperative care
   f. Follow-up review and care in physician's office, individual option
   g. Participate in the bariatric program

2. General objectives:
   a. Integration of basic science knowledge into care of surgical patients
   b. Role of general surgeon in a general community hospital
   c. Activities of a surgeon in his office practice, individual option

Contact numbers: Dr. Lambert - 870-793-4445, Dr. Alexander - 870-698-1846

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Each student will be assigned to one or more surgeons
   a. Perform and dictate for the chart a pertinent history and physical
   b. Outline a set of admission orders, call the attending physician, and place orders in the chart when confirmed by the physician.
   c. Will consult texts and current literature relevant to each surgical procedure planned and be prepared to discuss this with the surgeon.
   d. Will spend mornings in operating room observing and/or assisting in surgical procedures as arranged the previous evening.
   e. Will ascertain rounding time and make daily rounds with staff.

2. Students will attend conferences as scheduled.

3. Assisting in the Emergency Room can be arranged individually.

4. Will be expected to scrub on 10-20 cases per week with his/her preceptor or other surgeons.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
To augment the existing University medical education experience in general surgery by providing exposure to and better understanding of private practice in a community hospital. To improve skills in diagnosis and treatment by providing the student with increased responsibility and close supervision by a practicing physician. To maintain a low student-teacher ratio and emphasize clinical bedside approach to learning. To provide surgical experience in both operating room and outpatient minor surgery. To provide experience in pre-operative evaluation and post-operative care.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will have acting intern level responsibilities, and will engage in decisions at all levels of patient care. He will be assigned to a general surgeon. The average patient load in the hospital will be from ten to fifteen patients. The student will be involved in patient care in the general surgeon's office. There are scheduled teaching conferences which will be clinically oriented in which the student is expected to participate. Night call will average every fourth night and weekend call every fourth weekend.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

Technical skills to be learned:
- Wound debridement and suture technique.
- Various types of wound repair.
- Practical experience of skin grafts, random pattern flaps, musculocutaneous flaps.
- Assist in surgery.

Factual knowledge to be gained:
- Basic principles of tissue repair.
- Basic principles of wound management.
- Basic consideration in reconstruction of various congenital and traumatic defects.
- Introduction to cosmetic surgery.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will be assigned to the office during office hours and to the hospital with the faculty member. He/she will learn the pre- and post-operative basics in the care of plastic surgery patients.

An understanding of the deformity and the patient's perception of the deformity and how the patient is affected by the deformity is felt to be vital to the student's understanding the goals of reconstruction. Therefore, on specific patients the student will be requested to perform a formal history and physical. On the remaining patients, the student will be requested to at least examine them prior to surgery.

Reading assignments will be related to the surgical procedures of the following day and to the basic principles of plastic surgery.

Patient load: Fifteen to twenty elective surgical procedures a week. Exposure to as many as 30 to 45 office patients per each office day and 7 to 15 emergency consultations and operative procedures per week.

Basic Textbooks: Basic required reading will be from Grabband and Smith Plastic Surgery. Reference sources for more detailed reading will be from Plastic & Reconstructive Surgery by Converse, Surgical Treatment of Facial Injuries by Kazanjian and Converse, Bunnell's Surgery of the Hand by Boyes.

HOURS PER WEEK:

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COURSE: Thoracic Surgery  DURATION: 4 weeks
DIRECTOR: Drs. Jaggers and Vernon  MAX STUDENTS: 1
PHONE: (479) 785-2431  MIN STUDENTS:
MAIL SLOT: AHEC  AVAILABLE: All Blocks
LOCATION: AHEC-Fort Smith  COURSE#: SSUGG

OBJECTIVES AND/OR GOALS:

Technical skills to be learned:
- History and physical of patients with thoracic disease.
- Preoperative evaluation of patients with thoracic disease.
- Technique of bronchoscopy and esophagoscopy.
- Observing major thoracic surgical procedures.
- Management of surgical patient on respirator.

General objectives:
- Integration of basic knowledge regarding the anatomy and physiology of the chest into the management of the patient.
- Development of the ability to adequately evaluate the patients with esophageal or lung problems.
- Some exposure to cardiovascular surgery as it relates to general thoracic surgery.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Daily rounds with staff.
Attend appropriate conferences including chest conferences.
Scrub and assist in major surgery.
Read appropriately assigned material.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

To gain knowledge of and skill in dealing with the health problems frequently encountered by the urologist in private practice.

To learn the relationship of the urologist to other members of the health care team.

To gain knowledge and skill in dealing with community resources.

To acquire knowledge of the business, the personnel, and the practice management aspects of a private practice urology office.

To clarify educational and professional goals.

To observe the practice of urologists in community hospitals.

To understand the role of the urologist in consultation with other physicians.

To gain understanding of evaluation of hematuria, prostate disease, urologic malignancies, UTIs, infertility, incontinence, impotence, female prolapse, and urolithiasis.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The senior student will evaluate new patients as assigned by the local physician-preceptor. These work-ups involve a complete history and physical examination, an assessment of the findings and formulation of a plan for diagnosis and management. The student will provide follow-up care for these patents over the four-week period, in coordination with other members of the team.

The student is to be responsible for medical literature pertinent to the total care of his patients.

The student will participate in the didactic portion of a core curriculum and participate in appropriate conferences.

The student will document and review his experiences with the assigned preceptor.

HOURS PER WEEK:

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COURSE: Urology  
DURATION: 4 weeks  
DIRECTOR: Drs. Scriber and (*)  
PHONE: (870) 972-0063  
MAIL SLOT: AHEC  
LOCATION: AHEC-Northeast (Jonesboro)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: JURGF

OBJECTIVES AND/OR GOALS:
To gain experience, under supervision, in the office and hospital management of the most common conditions encountered in the private practice of Urology.

* Drs.: Cranfill, Suminski, Kueter, and Allen

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily office hours and daily hospital visits, observing and assisting in Operating Room; appropriately scheduled night call, library time and reading time. Reading assignments in connection with current cases seen in the practice. There are regularly scheduled weekly CME conferences and slide/tape presentations in addition to monthly hospital staff meetings which the students are expected to attend. Good medical library and librarian services are available in the AHEC library in addition to other AV materials for student and faculty use.

HOURS PER WEEK:
| Clinic: 20 | Lecture | Reading: | Other: | Total: 45 |

Page 72
COURSE: Urology  
DURATION: 4 weeks  
DIRECTOR: Drs. Parham and Payne  
PHONE: (870) 779-6016  
MAIL SLOT: AHEC  
LOCATION: AHEC-Southwest (Texarkana)  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: TURGH

OBJECTIVES AND/OR GOALS:

Technical skills:
To do a proper urological history and physical.
To correctly pass catheters and sounds.
To do cystograph and urethrograph.

Factual knowledge to be gained:
Basic practical urology which may be used in general practice.
The selection of appropriate laboratory and radiologic examinations for urological diagnosis in adults and children.
Diagnosis and treatment of genitourinary tract infections.
Interpretation of urologic radiographs.
The management of selected urologic emergencies.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Rounds with instructor.
Work in the instructor's clinic which includes full initial evaluation of the patient urologically.
Observe/assist in surgical procedures as scheduled.
Assigned projects.
The student will be required to attend the following conferences: Residency Noon Conference, Tumor Board, Chest, Neuro-Radiology.

HOURS PER WEEK:

Conference: 2  
Ward: 15  
Lab: 1  
Library: 4  
O.R.: 12  
Clinic: 10  
Lecture: 3  
Reading: 5  
Other:  
Total: 52
OBJECTIVES AND/OR GOALS:

1. The student will learn the basic concepts and principles on which Family Medicine is founded, and how to apply these concepts and principles to ambulatory primary care.
2. The student will care for a patient population with varied health problems, under the supervision of clinicians.
3. The student will learn to work with a health care team, including nurse practitioners, social workers, pharmacists, patient educators, and office staff.
4. The student will learn the appropriate interface between Family Medicine and secondary/tertiary health care providers (referrals, consultations, etc.).
5. The student will gain an appreciation of the concept of holistic health care and its application in Family Medicine.
6. The student will be able to clarify his or her own educational and professional goals.
7. The student will learn the importance of continuing medical education.
8. The student will be exposed to the practice of Family Medicine at community health clinics and in the private setting.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will learn by providing care to outpatients in a variety of clinical settings. Students will gain an appreciation for private family practice working alongside private physicians in Family Medicine. All of these preceptors are board-certified family physicians and volunteer clinical faculty. Students will also spend a portion of their time working in a community clinic, also under the direct supervision of board-certified family physicians who are volunteer clinical faculty.

Each student is required to present a twenty minute talk on a common medical problem encountered in family practice.

*IMPORTANT NOTE: STUDENTS WILL ASSUME RESPONSIBILITY FOR CONTACTING THE PHYSICIAN WITH WHOM THEY PLAN TO WORK. Assignment may be arranged from a list of approved preceptors or by approval of the physician of student's choice with the course director. All preceptors must be board-certified family physicians recognized and approved by the Department of Family and Preventive Medicine. A description of the anticipated activities during the course (type and amount of ambulatory care, hospital care, nursing home care, etc.) must accompany requests for participation in this elective. The student must provide the above mentioned information to the course director at least 2 weeks before the course starts.

HOURS PER WEEK:

| Conference: | 3 | Ward: | Lab: 4 | Library: 1 | O.R.: |
| Clinic: 32 | Lecture: | Reading: | Other: | Total: 40 |
OBJECTIVES AND/OR GOALS:

1. To develop a diagnostic and therapeutic approach to the adult outpatient with common medical problems. The major emphasis will be on clinical problem solving for adult and geriatric patients.

2. To develop the knowledge and skills necessary for the management of patients with chronic diseases, and patients with multiple and often interdependent problems. This management will include concepts of patient education, patient compliance and utilization of community resources to maintain or return the patient to his desired level of function.

3. To understand the concept of health care teams including physicians, nurse practitioners, clinical pharmacists, social workers, and dietitians and the function of such teams in the provision of primary care.

4. To recognize the importance of good medical records documentation in the primary care setting.

5. To understand the impact of psychosocial and socioeconomic factors in health maintenance and medical outcomes.

6. To learn about systems based management and be introduced to the process of quality improvement.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. The students will evaluate new patients referred to the General Medicine Clinic at UAMS. These workups will involve a complete history and physical examination, an assessment of the findings, and formulation of a plan for diagnosis and management. The student will then provide follow-up care for these patients over the four week period.

2. The student is responsible for attending Medicine Grand Rounds, General Internal Medicine conferences, and morning report at the VA on Tuesdays, and Resident Ambulatory Didactics on Mondays.

3. A 45 minute conference covering general medicine outpatient topics is held two or three times a week.

4. One completed clinic note, selected by the students, will be turned in each Friday by noon for review and will be returned the following Monday.

5. The students will work as a group to develop a patient education pamphlet for distribution in the clinic, as well as a Quality Improvement Project with a focus on Ambulatory medicine.

6. Because of patient schedule limitations, students can drop this course only if they give a 2 month notice.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

General:
1. To become familiar with the concept of Pediatric Primary Care
2. To perform clinical problem solving in an atmosphere of patient continuity
3. To relate the patient and his medical problem(s) to his family and community

Patients:
1. To learn about pediatric health concerns in newborns, children and adolescents
2. To evaluate and manage acute and chronic health problems in pediatrics

PLEASE NOTE: Attendance on this rotation is very important. Time missed in excess of three days will require make-up time at the end of the academic year. Attendance at required conferences is also monitored and will be reflected in final evaluations. If a student plans on being gone more than 3 days for residency interviews during this course, he/she MUST obtain approval of the course director in advance.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Function as an acting intern in the General Pediatric Center for one week under the direct supervision of the general pediatric faculty. With prior approval, part of this week may be spent in another area such as developmental or community pediatrics.
2. One of the four weeks will be spent in the term nursery under the supervision of the nursery attending.
3. Spend three half days in the outpatient clinics of the adolescent medicine section, functioning as an acting intern in providing care to adolescent patients.
4. Work in the Emergency Department of Arkansas Children’s Hospital for one week, seeing acutely ill patients as an acting intern.
5. Observe outpatients in the Dennis Development Medical Clinic 2 days/week under the supervision of an attending physician.
6. Function as a member of the continuity team in all these areas, working with nurses and social workers to achieve solutions to patients’ problems.
7. Attend scheduled conferences.
8. Attend out patient morning report on Wednesdays, Thursdays, and Fridays at 8:00 a.m.

NOTE: Students desiring additional Pediatric Emergency Medicine exposure, please see the course description for the Pediatric Emergency Medicine Elective. Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days. At least a one week notice is required to add or drop this rotation.

HOURS PER WEEK:

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Page 76
OBJECTIVES AND/OR GOALS:

Goal: To offer an educational experience to senior medical students that will instill confidence and teach them the skills to treat in-patients on the Family Practice service. This will be accomplished by encouraging the student to accept substantial responsibility in hospital-based patient care and diagnostic and management problems while under the supervision of upper level residents and attending physicians. The student will also learn to work effectively in a leadership role as part of the clinical team responsible for the health care of patients.

Objectives: Upon completion of the Family Medicine Acting Internship, the student will be able to:

1. Perform an appropriate history and physical examination.
2. Evaluate a patient and present a concise narrative summary of findings.
3. Write and initiate appropriate treatment of the hospital patient.
4. Interact appropriately with ward staff, and attending physicians.
5. Request consultation in an appropriate and timely fashion.
6. Arrange for referral of patients to another center and be able to make all necessary arrangements.
7. Complete paperwork in a timely fashion.
8. Consult medical literature and research appropriately.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The acting Internship will also provide experiences with appropriate procedures.

Call Schedule: Call will be assigned commensurate with that of a first-year resident and at the discretion of the attending physician.

The AI takes place with one of the following physicians: Drs. L.J. Bell, and L.J. Bell II in Helena. Housing and some meals will be provided.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

Goal: To offer an educational experience to senior medical students that will instill confidence and teach them the skills to treat in-patients on the Family Practice service. This will be accomplished by encouraging the student to accept substantial responsibility in hospital-based patient care and diagnostic and management problems while under the supervision of upper level residents and attending physicians. The student will also learn to work effectively in a leadership role as part of the clinical team responsible for the health care of patients.

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8. Consult medical literature and research appropriately.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The acting Internship will also provide experiences with appropriate procedures.

Call Schedule: Call will be assigned commensurate with that of a first-year resident and at the discretion of the attending physician.

* The AI takes place with one of the following physicians: Drs. John Burge and John Russell in Lake Village; Drs. JoAnne Gregory, Ahmed Khan, and Ana Zavadzkas of Dermott; Drs. Mervyn Hurwitz and Fauzia Quadir of Eudora; Dr. Frederick Burt of Fountain Hill; Dr. Daniel Bennett of Portland; Dr. Charles Hicks of Wilmot; Drs. Ehsaw Hadi, Thomas Lewellen, Steven Asemota, and Jane Kuzas of Dumas.

Housing and some meals will be provided in all locations.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

1. The broad goal of this experience is to help prepare the student for their residency, whether it will be surgical, medical, pediatric, or in other fields.

2. The student will be able to:

   Demonstrate medical interviewing techniques that provide relevant and adequate information; Demonstrate proper physical examination techniques; Demonstrate adequate communication skills for communicating with both patients and families; Perform basic procedures under appropriate supervision; Effectively and accurately complete patient charts; Write correct orders for patient treatment; Demonstrate effective time-management skills; Refer patients to the appropriate professionals for extended evaluation/care; Demonstrate proper patient management for the following conditions - chest pain, shortness of breath, delirium, gastrointestinal bleeding, etc.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Perform complete H&P’s, develop differential diagnoses and treatment plans for assigned patients and provide medical care for these patients during their hospitalization.
2. Write orders (with appropriate supervision) and maintain chart documentation.
3. Participate in daily rounds with attendings(s).
4. Assist with procedures.
5. Take call commensurate with that of a first-year resident and at the discretion of the attending physician.
6. Attend didactic teaching sessions specific to this particular service and attend conferences at AHEC and/or hospital.
7. Read relevant portions of medical texts and current medical literature.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
The broad goal is to help prepare the student for their residency, whether it will be surgical, medical pediatric, or in other fields. The student will be able to:

1. Demonstrate medical interviewing techniques that provide relevant and adequate information;
2. Demonstrate proper physical examination techniques;
3. Demonstrate adequate communication skills for communicating with both patients and families;
4. Perform basic procedures under appropriate supervision;
5. Effectively and accurately complete patient documentation;
6. Write correct orders for patient treatment;
7. Demonstrate effective time-management skills;
8. Refer patients to the appropriate professionals for extended evaluation/care;
9. Demonstrate proper patient management for the following conditions: chest pain, shortness of breath, delirium, gastrointestinal bleeding, etc.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Perform complete H&P's, develop differential diagnosis and treatment plans for assigned patients and provide medical care for these patients during their hospitalization.
2. Write orders (with appropriate supervision) and maintain chart documentation.
3. Participate in daily rounds with attending(s).
4. Assist with procedures.
5. Take call commensurate with that of a first-year resident and at the discretion of the attending physician.
6. Attend didactic teaching sessions specific to this particular service and attend conferences at the AHEC or hospital.
7. Read relevant portions of medical texts and current medical literature.

HOURS PER WEEK:
Conference: 4 Ward: 40 Lab: Library: O.R.:
Clinic: Lecture: Reading: 2 Other: Total: 46
OBJECTIVES AND/OR GOALS:
1. The broad goal of this experience is to prepare students for their internships, whether it will be surgical, medical, pediatric, or other.
2. The student will be able to: Demonstrate medical interviewing techniques; demonstrate proper physical exam techniques; demonstrate adequate communication skills for communicating with both patients and families; perform basic procedures under appropriate supervision; effectively and accurately complete patient charts; write correct orders for patient treatment; demonstrate effective time management skills; refer patients appropriately; demonstrate proper patient management for chest pain, shortness of breath, delirium, gastrointestinal bleeding, etc.

Students may select from the following (Co-Directors are listed):
- UAMS Team I (Card)-------------------------1 student--------Dr. Marsh
- UAMS Team IIIA,IIIB (Gen Med)----------2 students-------Dr. Saccente
- UAMS Team IV B (Neph)-------------------1 student--------Dr. Abul-Ezz
- UAMS MICU------------------------------------2 students------Dr. Hiller
- VA Cardiology-----------------------------1 student-------Dr. Marsh
- VA Gen Med (4 teams)-----------------------4 students------Dr. Phillips
- VA MICU----------------------------------------2 students------Dr. Erbland

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Perform complete H&P’s, develop differential diagnoses and treatment plans for assigned patients and provide medical care for these patients during their hospitalization.
2. Write orders (with appropriate supervision) and maintain chart documentation.
3. Participate in daily rounds with attending(s).
4. Assist with procedures.
5. Take call commensurate with that of a first-year resident.
6. Attend didactic teaching sessions specific to this particular service and attend conferences at AHEC and/or hospital.
7. Read relevant portions of medical texts and current medical literature.

***NOTE - FOUR WEEKS ADVANCE NOTICE IS REQUIRED TO DROP THIS COURSE!!!***

HOURS PER WEEK:

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Page 81
OBJECTIVES AND/OR GOALS:

To assist medical students in developing comprehensive competencies in women's health care using a broad perspective. A holistic approach will be taken to include not only gynecologic and reproductive issues, but also medical problems that are commonly encountered in women that may manifest or respond differently, as compared to men. Screening, prevention and patient education will be emphasized. The student will be able to:

1. Incorporate a Gyn/Ob assessment for every woman in the general history.
2. Perform a thorough Ob/Gyn exam as part of the general medical exam.
3. Generate a problem list, formulate a diagnosis and management plan.
4. Know the interactions of oral contraceptives and estrogen replacement with commonly used drugs, and know which drugs are teratogenic and which are contraindicated in pregnancy.
5. Recognize the value of routine health surveillance as part of health promotion, including current screening recommendations for PAP smears, mammograms, blood pressure monitoring, blood lipids, OXA, etc.
6. Know the current recommendations for immunizations in adult women and which are contraindicated in pregnancy.
7. Demonstrate knowledge of contraceptive methods, sexually transmitted diseases, domestic violence, common psychiatric problems, menstrual cycle abnormalities, menopause, breast disease, and other conditions which affect women disproportionately.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Responsibility for evaluation and management of assigned patients under the supervision of staff in the UAMS Community Women's Gynecology Clinic or Freeway.
2. Reading assignments: current literature regarding illnesses manifested by assigned patients as well as pertinent topics in PRIMARY CARE OF WOMEN, KJ Carlson & SA Eisenstat, Eds.
3. Ob/Gyn Grand Rounds Wednesdays at 8:00 a.m., M&M at 9, Gyn Preop Conference.
4. Special Project: the student will be expected to complete a 3-4 page paper on a medical problem which manifests differently in women as compared with men, or a pertinent Ob/Gyn topic.
5. No night call or weekend duties will be scheduled.

Students will be evaluated based on the objectives stated above.

Call Student Coordinator at 837-9668 for instructions on where to report on the first day of class.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

a. Basic information about atopic and immune deficiency diseases in childhood (atopic dermatitis, allergic rhinitis, asthma, food, drug allergy, immunodeficiency), and chronic pulmonary disease including evaluation (allergy history and physical examination) and treatment (topical therapy, drugs used for these illnesses and immunotherapy).

b. Performance of direct skin tests for IgE sensitivity (prick skin testing).

c. Performance of screening pulmonary function tests, suitable for office use.

d. Familiarity with work of the Pulmonary Function Laboratory, Respiratory Therapy and Immunologic Laboratory tests.

e. Understanding the principles of an immune system evaluation.

Taught by Drs. Jones, Perry, Scurlock, Palmer, and Graham

SPECIFIC DUTIES OF SENIOR STUDENTS:

Daily activities: Rounds on all hospitalized patients with the attending physician

Clinics: Allergy Clinic - Monday p.m., Tuesday p.m., Wednesday a.m and p.m., Thursday a.m.; Immunology Clinic - Monday a.m. and p.m.

Clinical Material: Students will work-up 10-15 new patients, see 30-40 return patients in clinics and see consultations and follow-up patients in hospital.

Conferences: Grand Rounds - Tuesday, 8 a.m.; Noon Allergy/Pulmonary Journal Club - monthly, Allergy/Immunology case conference Friday 8-9 a.m.

Other Activities: It can be arranged for the students to spend one day a week with one of the Pediatric Allergists at the Arkansas Allergy Clinic or the Little Rock Allergy Clinic (private practice). Time may also be spent in the Immunology Laboratory, Respiratory Therapy Department or Pulmonary Function Laboratory.

Individual Study: Reading from textbook of Pediatric Allergy, Immunology and Pediatric Respiratory Disease plus selected articles and library research by students. Review articles are provided to the student.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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Page 83
OBJECTIVES AND/OR GOALS:

The Department of Anesthesiology and Pain Medicine at the University of Arkansas for Medical Sciences offers a four week elective clerkship to fourth year medical students. During this rotation students will receive the essential and basic training/experience in this specialized branch of medicine with emphasis on the practice of Pain Medicine. This rotation is also available to interested students from other medical schools. Personalized, on-the-spot teaching and experience will be provided to all students regardless of their future area of expertise or interest.

Objectives:
Upon completion of the program, the student will:
1. Define and describe common terminology and techniques used in the management of acute and chronic pain.
2. Describe the role of family and culture in the development of attitudes towards pain and pain relief.
3. Assess pain and evaluate response to pain management interventions using a standard pain management scale based on patient self report or assessment.
4. Educate patients and families in a culturally sensitive manner regarding appropriate expectations for pain management, including ensuring informed consent.
5. Describe and utilize common and current methods of pain management (pharmacologic and non-pharmacologic), including interventions to minimize side effects.
6. Describe the objectives and goals of Hospice care.
7. Describe the principles of acute medicine as practiced in the management of the anesthetized patient in both the operating room and recovery room.
8. Describe the principles of applied physiology and pharmacology with regards to anesthetized patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Objectives (continued):
9. Describe the management of fluid, electrolyte, and metabolic disturbances that can be encountered in the anesthetized (surgical) patient.
10. Assess and evaluate preoperative risk factors for anesthesia and surgery.

To achieve these objectives, students will participate in supervised patient care both in and out of the operating room. During the Pain Medicine rotation students will be provided the opportunity to examine and evaluate patients with the Attending in-charge, and discuss in detail the diagnosis and management decisions. Students will also have the opportunity to participate in pain procedures and also discuss reading assignments related to the cases.

Most of the clinical experience and teaching will be shared out between the Medical Center (UAMS), the Veterans Administration Hospital and the Arkansas Children’s Hospital. One day will be spent at the Arkansas Hospice Center. In addition to the clinical experience, all students will take part in didactic sessions offered by the department.

At the beginning of the rotation each student is given a folder with several important and interesting reprints which are updated from time to time, a standard textbook (Stoelting and Miller), a rotation schedule, and evaluation forms.

HOURS PER WEEK:

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Page 84
OBJECTIVES AND/OR GOALS:
The Department of Anesthesiology offers a one-month comprehensive rotation for 4th year medical students. This rotation is available to UAMS students and students from other medical schools in the United States. Students are rotated through four major areas of anesthesiology including, general anesthesiology, pediatric anesthesiology, obstetric anesthesiology, surgical critical care, and pain management. Students are assigned to one or two senior residents.

Knowledge:
The students will learn about
1. Preoperative evaluation and optimization of patient before surgery
2. Options for anesthetic management for individual surgical procedures
3. Airway anatomy and importance of airway assessment before surgery
4. Pharmacology and physiology related to anesthesia practice
5. Management of common intraoperative problems (hypoxemia, hypotension, hypertension, bronchospasm, bleeding and resuscitation, hyperthermia and hypothermia).
6. Management of common postoperative complications (nausea/ vomiting, hypoxemia, hypothermia, myocardial ischemia, decreased urine output and airway compromise.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Skills:
1. Hands on experience in airway management and mask ventilation on simulator.
2. Skills for IV line placement and arterial sticks for blood gas monitoring
3. Fluid resuscitation in hemodynamically stable and unstable patients
4. Techniques for endotracheal intubation and use of airway adjuvant

This rotation is designed for medical students who are considering a career in Anesthesiology. This elective will provide supervised teaching in the area of:

Airway management skills, (mask ventilation, endotracheal intubation and ventilator management), in the operating rooms.
Basic concept of monitoring patient's peri-operatively
Cardiovascular and pulmonary physiology
Clinical pharmacology (inhalational agents, Intravenous anesthetics, local anesthetics)
Use of crystalloid and colloids during the peri-operative period

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

Preparation of the senior medical student to improve their understanding of Clinical Adult Cardiology.

The integration of technical skills and imaging techniques into the day-to-day care of patients with cardiovascular disease.

Early detection and prevention will be emphasized as will be appropriate cost-effective use of tests.

The elective will include cardiovascular disease subspecialty observation of their "typical" day.

Ward Rounds, Clinics, CCU, Labs, ECG's, consult service coverage, and technical interpretation will be discussed during the rotation.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The work day will be modest.
There will be no call.
There will be no direct patient care responsibilities.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

A. To enhance clinical skills (especially history taking and physical examination) needed in the recognition and management of congenital and acquired heart disease in children.
   1. To become proficient in the recognition of common murmurs and to become confident in differentiating innocent from organic murmurs.
   2. To become proficient in the clinical recognition of common congenital heart lesions by correlating history, physical exam findings, ECG and chest radiographic findings.
   3. To develop a clinical plan in the management of cyanosis and obstructive heart disease in the newborn.
   4. To develop proficiency in the interpretation of pediatric electrocardiograms.

B. To gain an understanding of the pathophysiology of the common cardiac conditions seen in children and adolescents.
   1. To gain insight into the interpretation of cardiac catheterization and echocardiographic data.
   2. To recognize when catheterization or echocardiograms may be necessary to enhance clinical evaluation.
   3. To understand long term management goals.

C. To gain a working knowledge of the clinical management of congestive heart failure and common cardiac arrhythmias in children.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily Activities:
   Pediatric Cardiology Clinics Mornings, Monday through Friday;
   Afternoons, Monday and Wednesday
   Ward rounds daily

2. Reading Assignments:
   Pediatric Cardiology, A Problem Oriented Approach. Gessner and Victorico, editors.

3. Conferences Scheduled:
   Pediatric Grand Rounds
   Catheterization Conferences
   Clinical Planning Conferences

4. Night Call:
   Should be available when Pediatric Cardiac emergencies occur. No regular call required.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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Page 87
OBJECTIVES AND/OR GOALS:
Become familiar with the instrumentation, dermatohistotechnology, wound care, and indications for skin cancer surgery

SPECIFIC DUTIES OF SENIOR STUDENTS:
Present in clinic shadowing preceptor and residents during all hours not in lecture.

Daily routine includes: patient encounter and education, surgical scrubbing, assist team in cancer removal, "read" slides, assist team in wound reconstruction, assist team in wound care, and interviewing follow-up and new patients in the afternoon

Attend multidisciplinary conference, Dermatology Grand Rounds, and resident journal club and conferences.

HOURS PER WEEK:

| Conference: | 5 | Ward: | 0 | Lab: | 0 | Library: | 0 | O.R.: | 0 |
| Clinic: | 35 | Lecture: | 0 | Reading: | 0 | Other: | 0 | Total: | 40 |
OBJECTIVES AND/OR GOALS:

Technical Skills to be Learned:
  a. Evaluation of patients with skin diseases
  b. Common laboratory techniques, e.g. KOH examination for fungus, Woods lamp, Tzanck Smear, patch testing, etc.

Specific Learning Opportunities:
  Diagnosis and clinical management of dermatologic patients are emphasized in the outpatient clinics at UAMS, the VA Hospital and Children's Medical Center. Students also participate in inpatient rounds and consultations. Didactic sessions are given weekly as well as slide presentations.

Students are expected to learn morphology and descriptive terms in order to accurately describe a wide variety of dermatologic entities. Emphasis is placed on diagnosis and treatment of disorders seen most commonly in a primary care clinic.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Senior students attend all clinics at the University Hospital, the VA Hospital and Arkansas Children's Hospital as assigned. Students will also be expected to see consults, inpatients, and write progress notes on a daily basis. A senior conference is held weekly. Students also attend Grand Rounds Conference and weekly presentations by residents, visiting faculty members, and other guest speakers. Attendance at these lectures is required. Students are expected to be familiar with current dermatologic literature in so far as it pertains to patients they see or conferences they attend. This elective is not available for less than 4 weeks.

Participants who are interested in a residency in dermatology are expected to give a 45 minute presentation toward the end of the course.

On the first day of the rotation, students should report to the first floor Dermatology clinic at the VA (Green Atrium) at 9:00 a.m..

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
Senior students engaged in this elective will study a problem in the field of dermatology. Students have some choice of approved projects and will be given supervision and help in the pursuit of their chosen project. An initial study of published material on the subject will be followed by a discussion with one or more faculty members and a plan developed to carry out the project depending upon the methodology used. Subjects chosen should be short in duration, less complex, and less demanding than more sophisticated research projects, but students engaged in research at this level sometimes have an opportunity to present their findings at local and national meetings. Publication is encouraged.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The amount of supervision necessary will vary. Generally, the project will be discussed with a faculty member during the data gathering period as well as upon completion of this phase. At the end of the rotation, the student will present a summary of the background information, and evaluation of the data collected. Publication would require the student to work closely with a faculty member and would, of course, require the approval of the Department faculty.

Since some projects would involve human and animal research, it is necessary to schedule these well in advance in order to comply with regulations regarding such research on campus. Because the success of these projects requires a greater-than-usual dedication of departmental space, finances, and faculty time, this elective is available to a maximum of four students each school year.

On the first day of the rotation, students should report to room S4/09 in the Shorey Building at 7:30 a.m.
OBJECTIVES AND/OR GOALS:

Students will learn the principles of prehospital management and stabilization of a variety of emergent conditions. They will become familiar with the organization of an EMS system, including dispatch of services and on- and off-line medical direction. Through their experiences, students should gain an appreciation for the challenges facing EMT's and paramedics in the field.

Specific skills to be acquired include, but are not limited to: spinal immobilization, airway management, extremity immobilization, IV access.

This course will be taught with MEMS and the UAMS Emergency Medicine Department.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students are expected to be observers while third-riding with MEMS ambulance crews and will participate in patient care under the direct observation of the senior paramedic on duty. They are expected to ride for a minimum of three 12 hour shifts per week. At least 4 shifts should be weekends (Friday evening through Sunday). Students will also be expected to spend a minimum of six hours observing MEMS dispatch radio procedures. An interesting case write-up is to be presented to the course director at the end of each week. Students are also expected to attend four hours of Emergency Medicine conferences, from 8-12 on Thursdays each week. Required reading material will be provided and other material will be available for loan on request.

HOURS PER WEEK:

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<td>Clinic</td>
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OBJECTIVES AND/OR GOALS:

Students will learn the principles of early recognition and stabilization of acute, life-threatening emergent medical-surgical problems and will actively participate in these activities as the opportunity presents. Because of the broad mix of patients in the emergency department, students will have the opportunity to see the full spectrum of episodic medical and surgical complaints. Students should develop their skills in collecting medical history and performing physical examination pertinent to the presenting complaint. They will have the opportunity to formulate plans and initiate management of a wide range of urgent and emergent problems.

Please see the course director in advance for any unusual scheduling requests.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will see patients in the emergency department as the primary encountered physician and interact directly with attending physicians in patient evaluation and treatment. They will interact with emergency medicine residents and other residents from all adult services. Didactic material in selected emergency topics is presented weekly. Students attend emergency medicine clinical conferences and didactic sessions which are held weekly. Grade is based on faculty and resident assessment of clinical performance and interaction at conferences.

Emergency Medicine rotations outside UAMS must be approved by the Course Director, Department of Emergency Medicine. Rotations will be approved where students have opportunity to work with Emergency Medicine residents and under the direct supervision of board qualified faculty. Additional rotations at other facilities will be granted after this requirement is satisfied. Students taking Emergency Medicine rotations in Little Rock are required to attend the didactic sessions at UAMS.

All Emergency Medicine rotations are standardized for work hours and rotating schedule to provide a full experience.

On the first day of this rotation, come to the Emergency Department Conference Room (Connected to the ER) at 7:00 a.m.

HOURS PER WEEK:

| Conference | 5 |
| Ward: | 
| Lab: | 
| Library: | 
| O.R.: | 
| Clinic: | 42 |
| Lecture: | 
| Reading: | 
| Other: | 
| Total: | 47 |
OBJECTIVES AND/OR GOALS:

General: 1. To provide exposure to emergently and urgently ill or injured children
2. To become familiar with code situations as they apply to pediatrics
3. To provide exposure to specific social/psychological problems which present to the ER

Pediatrics: To allow the senior medical student the opportunity to evaluate/assess, diagnose and treat emergent and urgent conditions in the pediatric (0-21 years) population. This will include such wide-ranging areas as trauma, surgical, orthopedic, gynecologic, and medical problems in this population.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. 4 - 11 p.m. - See patients in the ER

2. Problem-Based Learning - The student will receive a packet of problem-based learning cases to solve and will be required to set up an appointment and review these cases to complete the course.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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COURSE: Pediatric Emergency Medicine
DURATION: 4 weeks
DIRECTOR: Kendall Stanford, M.D.
PHONE: (501) 364-1050
MAIL SLOT: 512-16
LOCATION: Arkansas Children's Hospital
AVAILABLE: Blocks 1 through 8
COURSE#: UEMGG
OBJECTIVES AND/OR GOALS:
1. Technical skills: proficiency in acquisition of information about clinical endocrine-metabolic problems; proficiency in formulation of problems; familiarity with diagnostic procedures in endocrine-metabolic medicine.

2. Knowledge to be gained: approaches to solving endocrine-metabolic problems; therapies for specific endocrine-metabolic problems; specific information about problems seen in patients and discussed in conferences.

Clinical Experience in Endocrine-Metabolic Medicine, UAMS and/or LRVAH Hospital.

Clinical Experience in diabetes (integrated with primary care) in the UA firm.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Serve as initial consultant to all hospital services for patients with endocrine-metabolic diseases and attendance in weekly Endocrine Out-Patient Clinics; responsibility for initial evaluation and formulation on all patients seen.

Attendance at least 3/week Diabetics-Primary Care firm clinic at the UA

Sometime before the first day of class, get the schedule from Ms. Melissa Johnson (686-5130)

HOURS PER WEEK:
- Conference: 2
- Ward: 20
- Lab: 10
- Clinic: 12
- Lecture: 2
- Reading: 10
- Library: 0
- O.R.: 0
- Other: 0
- Total: 46
COURSE: Pediatric Endo And Metabolism  
DURATION: 4 weeks  
DIRECTOR: Dr. Steve Kemp  
PHONE: (501) 364-1430  
MAIL SLOT: 512-6  
LOCATION: Arkansas Children's Hospital  
OBJECTIVES AND/OR GOALS:  
a. Ability to use diagnostic procedure for evaluation of patients with possible endocrine-metabolic problems.  
b. Performance and evaluation of specialized tests, i.e., growth hormone secretion, cortisol secretion, etc.  
c. Proficiency in acquisition of endocrine metabolic history and performance and evaluation of physical examination.  
d. An approach to the diagnosis and solving of endocrine-metabolic problems.  
e. An approach to methods of management of patients with endocrine-metabolic problems.  
f. In-depth study of patients with specific endocrine metabolic problems.

SPECIFIC DUTIES OF SENIOR STUDENTS:  
1. Senior students electing Pediatric Endocrinology will see patients in the Clinic on the following schedule Monday and Tuesday on the ACH campus (general pediatric endocrinology), Wednesday (all day), Thursday a.m. and Friday a.m. at the WLR Diabetes Clinic. Students will attend Pediatric Grand rounds (Tuesday at 8: a.m.), Endocrine Metabolic Conferences and Endocrine Journal Club weekly. Reading is encouraged and Thursday afternoon is available for discussion of topics in Pediatric Endocrinology with a faculty member.  
2. Patient Load - 3 - 5 in each half-day clinic.  
Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:  
Conference: 2  
Lab:  
Library: 4  
Clinic: 32  
Reading:  
Other:  
Total: 40
OBJECTIVES AND/OR GOALS:

1. To gain knowledge of and skill in dealing with the health problems frequently encountered by the family physician in private practice.
2. To gain insight into the role of the family physician in the management of the family unit.
3. To learn the relationship of the family physician with other members of the health care team.
4. To gain experience and knowledge of the interface between Family Medicine and secondary and tertiary health care providers (referrals, consultations, etc.)
5. To gain knowledge and skill in utilizing community resources.
6. To acquire knowledge of the business, the personnel, and practice management aspects of a family practice.
7. To help the student clarify educational and professional goals.

THIS ROTATION DOES NOT COUNT TOWARD THE 12 HOUR ON-CAMPUS RULE.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. The student will observe and participate in all phases of the designated physician's private practice (clinic, hospital, etc.)
2. The student will be responsible for reviewing the literature pertinent to the cases encountered.
3. The student will receive on-going and end-of-course evaluations from his private practice preceptor(s).
4. Students may elect to attend conferences and/or participate in limited patient care activity at the Family Medical Center at UAMS.

*IMPORTANT NOTE: STUDENTS WILL ASSUME RESPONSIBILITY FOR CONTACTING THE PHYSICIAN WITH WHOM THEY PLAN TO WORK. Assignment may be arranged from a list of approved preceptors or by approval of the physician of student's choice with the course director. All preceptors must be board-certified family physicians recognized and approved by the Department of Family and Preventive Medicine. A description of the anticipated activities during the course (type and amount of ambulatory care, hospital care, nursing home care, etc.) must accompany requests for participation in this elective. The student must provide the above mentioned information to the course director at least 2 weeks before the course starts.

HOURS PER WEEK:

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COURSE: Private Family Practice  DURATION: 4 weeks
DIRECTOR: Kent McKelvey, M.D.
PHONE: (501) 686-6564
MAX STUDENTS: 2
MIN STUDENTS:
MAIL SLOT: 530
LOCATION: Little Rock or North LR Area Clinics
AVAILABLE: All Blocks
COURSE#: UFAMD

Page 96
OBJECTIVES AND/OR GOALS:

1. Actual knowledge to be gained: Acquisition of factual knowledge concerning principles of diagnosis and treatment of patients with common digestive disorders as well as unusual GI problems. Emphasis is placed on pathogenesis and pathophysiology of digestive diseases.

2. The staff believes that medical students should learn the indications for and the limitations of diagnostic endoscopic studies and other gastrointestinal tests that are available.

3. Students will learn to interpret gastrointestinal X-ray, CT scans, MRI's, esophageal motility and pH studies, abdominal ultrasounds and others.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities of both UAMS and LRVAH divisions -- including ward rounds and evaluation.
2. Participation in the weekly clinic at UAMS and LRVAH.
3. Participation in the conferences at UAMS, and LRVAH, which include Case presentation, Journal Club, GI-Radiology-Surgery Conference, GI Physiology Seminar, and GI Chief of Service Rounds.
4. Diagnostic and therapeutic procedures on patients are performed both on a scheduled and emergency basis. This includes all the tests and procedures mentioned under Item 2 above.
5. The expected patient load is 20 patients per week on the consultant service, of which several will be assigned to each student.

On the first day, report to Shorey 8/68 at 9:00 a.m.

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2. The staff believes that medical students should learn the indications for and the limitations of diagnostic endoscopic studies and other gastrointestinal tests that are available.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities of both UAMS and LRVAH divisions -- including ward rounds and evaluation.
2. Participation in the weekly clinic at UAMS and LRVAH.
3. Participation in the conferences at UAMS, and LRVAH, which include Case presentation, Journal Club, GI-Radiology Conference, and GI Grand Rounds.
4. Diagnostic and therapeutic procedures on patients are performed both on a scheduled and emergency basis. This includes all the tests and procedures mentioned under Item 2 above.
5. The expected patient load is 20 patients per week on the consultant service, of which several will be assigned to each student.

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</table>
COURSE: Peds Gastroenterology/Nutrition
DURATION: 4 weeks
DIRECTOR: Dr. Troy Gibbons
PHONE: (501) 364-1004
MAIL SLOT: 512-7
LOCATION: Arkansas Children's Hospital

MAX STUDENTS: 2
MIN STUDENTS: 0
AVAILABLE: All Blocks
COURSE#: UGASJ

OBJECTIVES AND/OR GOALS:
A. Proficiency in the approach to the history and physical examination of a pediatric patient with gastrointestinal/nutritional illness to yield maximum information
B. Understanding laboratory and radiological testing and efficient use of such testing in diagnosing gastrointestinal disease
C. Use of clinical and supportive data to arrive at a diagnosis
D. Introduction to endoscopy procedures as a tool for diagnosis and therapeutic management
E. Devising a logical approach to the management of patients with gastrointestinal/nutritional disease
F. Instilling an interest in the field of pediatric gastroenterology

SPECIFIC DUTIES OF SENIOR STUDENTS:
a. Active participation in daily rounds with the inpatient attending and team
b. Admit and follow patients on the GI service. No more than 3 patients will be assigned to any senior student at any given time
c. Senior students will be required to see initial consultations requested
d. Senior students will be required to be present at endoscopy procedures on their assigned patients
e. Senior students will be required to attend 3 clinical sessions per week
f. Unless there are exceptional circumstances, no elective student will be academically assessed if they miss more than one day per week of their elective rotation

HOURS PER WEEK:
Clinic: 12  Lecture: 2  Reading: 3  Other: 0  Total: 40
OBJECTIVES AND/OR GOALS:

Become competent in:

1. pedigree composition,
2. obtaining appropriate genetic/medical information,
3. performing a genetic/physical examination to form a diagnosis/differential diagnosis,
4. making appropriate recommendations.
5. using web-based and printed references to aid in diagnosis and management.

Understand inheritance patterns.

Develop the ability to interpret cytogenetic, molecular genetic, newborn screening, and biochemical test results.

Recognize common genetic syndromes and biochemical disorders.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Attend scheduled pediatric conferences including Grand Rounds, morning report, and neuroradiology conference as appropriate.

Participate in all scheduled genetic clinics - hands-on expected. Participate in genetic consults to be staffed by faculty. Attend special lectures, conferences related to genetics. Prepare for clinic including review of medical records - 1-5 days before the patient's appointment, and doing background reading.

Research a genetic topic of interest and present to the Genetics Division.

Students interested in more in-depth experiences in genetics, such as writing case reports for publication, should contact the course director.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation.

HOURS PER WEEK:

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<td>Reading: 8</td>
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OBJECTIVES AND/OR GOALS:

1. Work with geneticists to care for patients with a spectrum of medical problems which have or are suspected to have an underlying genetic etiology.
2. Apply concepts and principles of medical genetics to clinical medicine.
3. Gain understanding of how clinical observations and knowledge of dysmorphology provides insight into human biology, disease pathogenesis and patient care.
4. Obtain complete family histories from patients, understand their importance and learn how to assess them for risk (cancer and recurrence risk).
5. Effectively use resources such as medical textbooks, research articles, and computer-based systems to obtain information necessary for up-to-date genetics care.
6. Become familiar with diagnostic methods for identifying genetic problems, including karyotyping, DNA analysis and biochemical testing.
7. Identify and discuss appropriate patient education resources and material.
8. Appreciate the importance of genetics in disease prediction and prevention.
9. Gain understanding of the ethical issues regarding patient confidentiality as it pertains to families and individual family members with genetic disorders.
10. Learn to respect the autonomy of all patients while giving appropriate consideration to the difficulties certain disabling genetic conditions may pose for decision-making.
11. Gain familiarity with relevant local and national support groups that can benefit the patient and family regarding their specific genetic condition.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will learn by providing care to patients at UAMS/ACRC and Arkansas Children’s Hospital. An appreciation for clinical genetics will be gained by working alongside clinical geneticists in the office and hospital settings. The ACRC Cancer Genetics Clinic is held on Wednesdays and the AR Children’s Hospital genetics clinic is Monday and Thursday. Students will be directly supervised by faculty physicians and will be a part of all aspects of a genetics consultation including counseling, risk assessment and genetic testing. Students will use the electronic medical record to collect and interpret family history as it pertains to cancer genetics. In addition, students will complete specific coursework (reading and online resources) on common problems encountered in clinical genetics. The student will be assessed on performance in the medical setting on a pass/fail basis.

This elective will take part at UAMS and ACH. Dr. Schaefer's contact information is: 501-364-2966 and his slot number is 512-22 at ACH.

THE AVAILABILITY OF THIS ELECTIVE IS BASED UPON PHYSICIAN SCHEDULES. PLEASE CALL MS. MICHELLE HAYGOOD TO CHECK BEFORE ADDING THIS ELECTIVE TO YOUR SCHEDULE.

HOURS PER WEEK:

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</table>
OBJECTIVES AND/OR GOALS:

The Department of Geriatrics offers this elective to further enhance the M3 Geriatrics Clerkship experience. As an M4, the student will design her/his own educational experience by participating in several possible educational venues: Primary Care Geriatrics Clinic, Inpatient Services and Community nursing home. Students should contact the Course Coordinator at least two months in advance to confirm availability and arrange an individualized schedule.

1. The student will diagnosis and manage common geriatric medical problems and syndromes in a non-hospitalized setting.
2. The student will enhance skills required to function as a physician member of an interdisciplinary team of health care professionals.
3. The student will recognize the impact of cultural and socioeconomic factors in the development of specific patient treatment plans.
4. The student will illustrate appropriate knowledge of the normal aging process, including physiologic aging and the psychological needs of the elderly.

* This elective is not available during all blocks. Before you can sign up for it, you must have made prior arrangements with Janis Cockmon (686-6097)

SPECIFIC DUTIES OF SENIOR STUDENTS:

Student responsibilities will vary dependent upon the individualized curriculum. Note the examples below for further detail:

Primary Care Clinic
1. The student will evaluate geriatric patients under the supervision of a staff geriatrician and present clinical findings to a faculty attending.
2. The student will participate in interdisciplinary team conferences and be expected to lead in discussions pertinent to their assigned patients.
3. The student will attend core conferences devoted to the aging process and geriatrics in general, i.e., Geriatric Grand Rounds.

Community Nursing Home
1. The student will evaluate assigned nursing home patients, to include transitional care patients where available.
2. The student will be familiar with the overall function and structure of the nursing home.
3. The student will observe PT, OT and Speech therapist evaluations.
4. The student will participate in attending rounds where applicable.
5. The student will work independently with their assigned curriculum for the majority of the experience.
6. The student will attend core conferences devoted to the aging process and geriatrics in general, i.e., Geriatric Grand Rounds.

HOURS PER WEEK:

- Conference: 0
- Ward: 0
- Lab: 0
- Library: 0
- O.R.: 0
- Clinic: 0
- Lecture: 0
- Reading: 0
- Other: 0
- Total: 0
OBJECTIVES AND/OR GOALS:

1. To teach a set of core competencies in providing end-of-life care.
2. To emphasize the role of primary care physicians in end-of-life care.
3. To demonstrate the interdisciplinary aspect of end-of-life care.
4. To clarify the ethical aspects of end-of-life decisions.
5. To teach the basic principles of pain management.

* This elective is not available during all blocks. Before you can sign up for it, you must have made prior arrangements with Ms. Janis Cockmon in the Geriatric Department (686-6097).

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student on this rotation will shadow the Palliative Care attending faculty. The student will answer Hospital Consults at UAMS and the John L. McClellan Memorial Veterans Hospital (LR and NLR branches) and present the patients to the faculty attending. The student will record the consult on the hospital record.

The student will attend Outpatient Clinics at UAMS and LRVA. The patients seen will be presented to the faculty attendings and clinic notes will be written on each patient.

The student will make home visits on hospice patients. Hospice patients will be assigned at the beginning of the month. The student will make weekly visits without staff and report to faculty attendings. Home visit notes will be required after each visit. The student will attend at least one hospice interdisciplinary team meeting.

The student will round with attending physicians on Hospice Inpatient Unit.

The student will participate in the treatment decision making in hospital, clinic, inpatient hospice, and home care patients seen with faculty attendings.

The experience is flexible and can be tailored to each student's educational needs.

HOURS PER WEEK:

| Conference: | 2 | Ward: | 6 | Lab: | 1 |
| Clinic: | 26 | Lecture: | 1 | Reading: | 5 |
| Library: | 1 | O.R.: | |
| Other: | Total: | 41 |
OBJECTIVES AND/OR GOALS:

1. To develop a broad ranged knowledge of common clinical problems. Instruction will center around patient contact and management on the consultation service, under the direct supervision of the Attending Physician. The student will learn how to diagnose, stage, and treat various hematologic and oncologic diseases.

2. Instruction in the interpretation of normal and abnormal blood and bone marrow morphology.

3. Performance of bone marrow aspirates and biopsies.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Daily rounds on the consultation patients followed by the Division.

Attend an outpatient clinic half-day twice weekly.

The senior student will initially evaluate consultations and present them to faculty for discussion.

Attend Division conferences and seminars.

The rotation may be taken at UAMS or LRVAH.

On the first day, report to the ACRC, room 235 at 9:00 a.m.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

1. Technical skills to be learned:
   a. Aspirate, smear, stain, and interpret peripheral smears and selected bone marrows.

2. Factual knowledge to be gained:
   a. Basic information regarding childhood leukemia and solid tumors with emphasis on diagnosis and management of malignant disease as well as intercurrent infections.
   b. Diagnostic evaluation and management of coagulation disorders, hemoglobinopathies, hepatosplenomegaly, and lymphadenopathy.
   c. Diagnosis and management of anemia, thrombocytopenia, leucopenia in infancy and childhood.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities: All day clinics on Monday, Tuesday, Wednesday, and Thursday, with a 1/2 day clinic on Friday.
2. Reading Assignments: Weekly oral presentation by student on selected topic.
4. Expected Patient Load: A student will see 30-50 outpatients weekly.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

This elective is offered for those students who wish to learn more about transfusion medicine and coagulation. The student will learn how to manage simple to complex transfusion and coagulation problems. The student will become comfortable with ordering the appropriate blood and blood products as well as gaining insight and understanding into myriad of coagulation procedures.

This elective is especially important for those students who are going into residency training where hemotherapy is important such as Internal Medicine, Anesthesiology, Surgery, or Emergency Medicine. Of course, all students are welcome.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will be given instruction on basic blood procedures such as the crossmatch, Coombs test, and antibody identification. The student will observe the preparation of blood components (FFP, platelets, and RBCs) and will learn the appropriate indications for transfusion and untoward reactions.

The student will observe therapeutic and donor apheresis and have an opportunity to study the various diseases treated by this modality. The student will assist in management of these cases as well help to manage the donor facility.

The student will participate in daily working rounds in the Blood Bank and Laboratory. The student will actively participate in daily patient management decisions and will be given the opportunity to take first call for the blood bank, if desired.

The student will be given fundamental instructions on routine (PT, PTT, d-DIMER, fibrinogen, etc.) and special coagulation procedures (Factor assays, mixing studies, etc.) The student will become knowledgeable in the application and interpretation of these tests. Special tests such as platelet function studies will likewise be performed.

The student should report to the Clinical Laboratory at 8:00 a.m. on the first day of the rotation.

HOURS PER WEEK:

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COURSE: Immunohematology (Blood Banking)  DURATION: 4 weeks
DIRECTOR: Dr. Michele Fox  MAX STUDENTS: 1
PHONE: (501) 686-5955  MIN STUDENTS: 1
MAIL SLOT: 503  AVAILABLE: 2, 3, 4, 5, 6, 7, 8, 9, 10
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: UPATJ
OBJECTIVES AND/OR GOALS:

1. Factual knowledge to be gained:
   a. Diagnostic and therapeutic aspects of infectious diseases in normal and compromised hosts.
   b. Principles of antimicrobial therapy.
   c. Pathogenesis and pathophysiology of infectious diseases including relevant aspects of humoral and cell-mediated immune responses.
   d. Correct interpretation of results from the clinical microbiology laboratory.
   e. Hospital epidemiology; surveillance, prevention and control of nosocomial infections.

2. Technical skills to be learned:
   a. Examination of clinical materials (wet mounts, smears, stains)
   b. Experience in correlation of microbiologic culture results and reports with clinical information.
   c. Literature review of topics for presentation on rounds.

(*) Faculty: Drs. Bradsher, Martin, Bariola, Monson, Vyas, and Saccente.

To add the course, you need the signature of Dr. Bradsher or Dr. Saccente on your Drop/Add form.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. As the initial consultant for patients for whom infectious disease consultation is requested, the Senior Student evaluates, makes recommendations for management of, and follows the patient with the faculty.
2. Consultation rounds with housestaff and faculty daily.
3. Prepare an in depth review of an infectious disease topic and present this to the faculty and other students.
4. Participation in the clinical microbiology laboratory, as assigned.
5. Infectious Diseases Conferences:
   a. Infectious disease cases conference; 12:00 noon, Monday, UAMS.
   b. Infectious disease journal club; 7:30 a.m., Wednesday, UAMS
   c. Laboratory rounds; 2 p.m., Tuesday & Thursday, UAMS.
6. Night call: none

Two weeks at UAMS, two weeks at LRVAH. You can sign up for additional time with drop/add forms.

On the first day of class, report to the Shorey Bldg., room 3-S13 at 9:00 a.m.

HOURS PER WEEK:

| Conference | 4 | Ward | 20 | Lab | 2 | Library | 7 | O.R. | 7 | Total | 40 |
| Clinic:    |   | Lecture: | 7 | Reading: | 7 | Other: |       |       |       |       |
OBJECTIVES AND/OR GOALS:

1. To familiarize the student with pediatric infectious diseases from the standpoint of diagnosis, pathophysiology, epidemiology, therapy and prognosis in both inpatient and outpatient settings.
2. To understand a variety of diagnostic procedures, including isolation and identification of microorganisms (bacteria, fungi, and viruses), radiological and other laboratory studies.
3. To become acquainted with hospital epidemiology, surveillance and control of nosocomial infections.
4. To learn to think and apply science to clinical medicine.
5. To familiarize the student with anti-infectives. All students will leave the service with a better understanding of antibiotics, anti-fungal and anti-viral agents.
6. The impact of infectious diseases on all medical disciplines is significant. The commitment of the Pediatric Infectious Diseases faculty is to spend the maximum amount of time on teaching rounds each day (M-F) to accomplish the goals #1-5 above.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. To assist in the initial examination of all pediatric patients for whom infectious disease consultation is requested at Arkansas Children's Hospital.
2. To follow the hospital course of all infectious disease consultation patients and continually provide information to the faculty, house- staff and nursing personnel involved in the care of the patients.
3. Consultation rounds with housestaff and faculty five times per week.
4. To attend all educational conferences five times per week.
5. Night call: None; Weekend call: None
6. To present at problem case conference and selected short topics at morning conferences.

(*) Drs.: Richard Jacobs, Stephanie Stovall, Nada Harik, and Jose Romero

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the time off and should be reasonable.

HOURS PER WEEK:

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<th>Conference</th>
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<td>Other</td>
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OBJECTIVES AND/OR GOALS:
The student is expected to participate in daily rounds in the ICU and function as a sub-intern. He/she will present assigned patients on rounds, attend all lectures and conferences and read required material. Students will also have the opportunity to do procedures under close supervision. There will not be night and weekend call.

Course Objectives:
Learn criteria for admission to and discharge from the ICU.
Learn how to assess and manage critically ill patients.
Understand the basic physiology of shock and how to manage it using appropriate monitoring devices.
Understand the common modes of mechanical ventilation and management of airway compromised patients.
Learn the differential diagnosis of acute renal failure and different modes of renal replacement therapy.
Learn indications for blood and blood products transfusion.
Learn how to identify and manage infections in the ICU patients.
Learn indications for enteral and parenteral nutrition.
Become aware of ethical issues in the ICU, including advance directives, medical futility, and withholding and withdrawing therapy.
Learn how to do common procedures in the ICU.

Note: Not all topics may be covered during formal lectures.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Complete required readings.
Present patients and participate in bedside rounds.
Attend and participate in rotation lectures and Department of Anesthesiology conferences (M&M, Grand Rounds).
Keep a log of all patients followed and procedures performed.
Anyone who is ill or has a personal or family emergency must contact Student Affairs and the Attending on Service.
Students are allowed to take off up to 1 day per week to interview between November 1 and February 1. Specific days missed must be approved by the Attending on Service.

Suggested preparatory reading: The ICU Book Paul L. Marino, MD, PhD, FCCM
OBJECTIVES AND/OR GOALS:

The student will be expected to learn:

a. The principles of hemodynamics including the interpretation of the hemodynamic profile and how to select the appropriate therapy based on this data.
b. Pulmonary physiology as applied to respiratory failure and the care of patients on mechanical ventilation.
c. The basics of enteral and parenteral nutrition.
d. The principles of diagnosis and treatment of shock.
e. The care of seriously ill post-operative patients including sepsis and multiple organ system failure.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Make daily rounds with the residents and attending staff in the surgical intensive care units.
2. Attend the various scheduled teaching and case conferences.
3. Assist with the various procedures in the SICU including placement of Swan-Ganz catheters, arterial and central venous lines, bronchoscopy, etc.
4. Develop the necessary skills needed to control the airways and ventilation of patients.

*****This elective may be available in Blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:

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<th>Conference:</th>
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OBJECTIVES AND/OR GOALS:
This course provides senior students information, research reviews and practical experience in integrative therapies that are used in conjunction with or as an alternative to standard medical practice. There is compelling evidence that behavioral medicine and non-traditional approaches are effective for stress management, treatment of chronic pain, insomnia, and other health conditions. Acupuncture, guided visual imagery, meditation, yoga, hypnosis, homeopathy, chiropractic, massage therapies, biofeedback, and herbal medicines are attracting great attention for their beneficial impact and are being widely used in the US. Many medical centers offer some of these therapies to their patients and research on their effectiveness has increased greatly over the past 5 years. It is imperative that physicians be aware of the benefits and dangers of these therapies so they can appropriately advise their patients. The student will be exposed to literature reviews, research summaries, presentations by successful researchers, and to experiential sessions with knowledgeable practitioners of these techniques.

The course will be comprised of seminars with assigned readings, lectures, and field trips. The majority of classes will include didactic and experiential components.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Regular attendance at all seminars.
2. Reading assignments prior to each seminar, including textbook reading and relevant literature.
3. Practicing some of the demonstrated techniques.
4. Preparing and presenting an evidence-based report on a CAM therapy.
5. Attending the monthly UAMS CAM Journal Club meeting.

On the first day of class, students should report to the Reynold’s Center on Aging Building, Room G160.

The course directors are:
Allison Oliveto, Ph.D. - Phone 686-8969, Mail slot 843 and e-mail olivetoallison@uams.edu
Allen Sherman, Ph.D. - Phone 686-8700, Mail slot 756 and e-mail shermanallenc@uams.edu

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

The goal of this rotation is to assist senior medical students in developing basic competencies in women's health care using a holistic approach. This will include not only gynecological, reproductive, and breast health issues, but will also emphasize the importance of women's issues found in other areas of medical practice such as internal medicine and urology. There will be an emphasis on screening, prevention, and patient education.

The objectives of this rotation are based on the Women's Health Care Competencies Learning Objectives for Undergraduate Medical Education and the Association of Professors of Gynecology and Obstetrics.

1. Incorporate a gynecologic-obstetric history and assessment for every woman as part of the general medical history.
2. Comfortably perform a gynecological exam as part of the general medical exam.
3. Discuss the etiology, pathophysiology, differential diagnosis and treatment options for conditions and functions that are specific to women or that are more common in women.
4. Effectively communicate with patients, demonstrating awareness of gender and cultural differences.
5. Know the current recommendations for routine health surveillance in regards to not only women's health issues, but also primary care prevention screening.
6. Demonstrate a basic knowledge of contraceptives and counseling for contraception.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Attendance at the various outpatient clinics, including the VA Women's Health Clinic with Dr. Miriam Oakum, Women's Urology and Sexual Dysfunction Clinic with Ms. Jody Purifoy, NP, Ob/Gyn Clinic with Dr. Katrina Davis, and UAMS Breast Clinic with Dr. Rhonda Henry-Tillman.
3. Attendance and participation with case presentations and a solid knowledge of syllabus material as will be discussed by Dr. Sara Tariq.
4. Research into a health care topic specific to women to be presented at the close of the rotation.

Dr. Tariq's contact numbers: Phone = 526-5968 and Pager = 405-8091

HOURS PER WEEK:

| Conference: | 0 | Ward: | 0 | Lab: | 0 | Library: | 0 | O.R.: | 0 |
| Clinic: | 0 | Lecture: | 0 | Reading: | 0 | Other: | 40 | Total: | 40 |
OBJECTIVES AND/OR GOALS:

1. Gain Knowledge and skills in the management of the terminally ill patient and his/her family.
   A. Increase knowledge about: the physiology of death; signs and symptoms of approaching death in a terminally ill patient; concepts and philosophies of palliative care; end-stage diseases; most appropriate disease-specific approaches; symptoms management in the terminally ill patient (pain, nausea, dyspnea,constipation, etc.); the multiple determinants of suffering; become aware of the impact on families; etc.
   B. Palliative Therapeutics: Discuss various medications/adjuvant medication used for symptom control; the various routes of medication administration; potential adverse effects of common medications used for symptom control.
   C. Develop an understanding of the role of the hospice team in relation to the socioeconomic and cultural environment; psychosocial skills utilized in hospice; counseling skills unique to the hospice setting.
   D. Become aware of one's own feelings about death and dying and understand one's own feelings as they respond to the relationship with the client/families served.
   E. Utilize knowledge about community resources appropriate for the hospice setting.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will participate in Hospice Home Care, Inc. activities, particularly home visits, staff meetings, interdisciplinary care team meetings, patient care management and medical procedures as appropriate.

Students will be expected to take calls and expected to manage hospice-related medical emergencies.

Students will be expected to do self-study activities related to cases or diseases encountered.

Evaluation forms relating to the educational experience, as well as to the physician/preceptor, will be completed by the students.

This elective does NOT count as On-Campus Time for the purposes of satisfying the 12 hour on-campus rule of the College.

HOURS PER WEEK:

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Total: 38
OBJECTIVES AND/OR GOALS:
Senior students would be assigned to the PULSE Center as the attending senior medical students just as a real clinic has an attending physician. Through this experience, the student will develop skills in teaching clinical medicine, facilitating small groups, performance testing, and instructional design and research.

Course Objectives:

The goal of this course is to introduce students to the practice of academic pediatric medicine. This course has several objectives.

1. To enable you to use educational literature and instructional design methods in the context of an implementable project.

2. To foster communication and instruction skills by participating in clinical teaching activities.

SPECIFIC DUTIES OF SENIOR STUDENTS:

This student/s would be responsible for the following:

Develop a teaching/assessment plan using a standardized patient or simulation case that is written and trained by the student

Assist all student teaching activities in the PULSE Center

Dry run any SP or simulation cases for testing and teaching

Assist any practice sessions for students

HOURS PER WEEK:

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COURSE: Attending - ACH PULSE Center
DIRECTOR: Mary Cantrell, M.A.
PHONE: (501) 364-4338
MAIL SLOT: ACH-852
LOCATION: Arkansas Children's Hospital
DURATION: 4 weeks
MAX STUDENTS: 2
MIN STUDENTS: 1
AVAILABLE: Blocks 1 - 9
COURSE#: UCSCB
OBJECTIVES AND/OR GOALS:

Senior students will be assigned to the Center for Clinical Skills Education (CCSE) as the attending senior medical students just as a real clinic has an attending physician. Through this experience, the student will develop skills in teaching clinical medicine, facilitating small groups, performance testing, and instructional design and research.

Course Objectives:

The goal of this course is to introduce students to the practice of academic medicine. This course has several objectives.

1. To enable you to use educational literature and instructional design methods in the context of an implementable project.

2. To foster communication and instruction skills by participating in clinical teaching activities.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student(s) would be responsible for the following:

Develop a teaching/assessment plan using a standardized patient case that is written and trained by the student.

Assist all student teaching activities in the CSC

Substitute for all ICM small groups

Dry run any SP cases for testing and teaching

Assist any practice sessions for students

HOURS PER WEEK:

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COURSE: Attending-Clinical Skills Center  DURATION: 4 weeks
DIRECTOR: Mary Cantrell, M.A.  MAX STUDENTS: 2
PHONE: (501) 686-8792  MIN STUDENTS: 1
MAIL SLOT: 735  AVAILABLE: Blocks 1 - 9
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: UCSCA
COURSE: USMLE Step 2 Review  DURATION: 4 weeks
DIRECTOR: James Pasley, Ph.D.  MAX STUDENTS: 30
PHONE: (501) 686-5128  MIN STUDENTS:
MAIL SLOT:  AVAILABLE: 1
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: USTEP

OBJECTIVES AND/OR GOALS:
To enable senior to pass the USMLE Step 2 examination

SPECIFIC DUTIES OF SENIOR STUDENTS:
Attend the sessions.

HOURS PER WEEK:
Conference: 40  Ward:  Lab:  Library:  O.R.:
Clinic:  Lecture:  Reading:  Other:  Total: 40
COURSE: AI In Neurology  
DURATION: 4 weeks  
DIRECTOR: Drs. Harik and (*)  
PHONE: (501) 686-7236  
MAX STUDENTS: 3  
LOCATION: UAMS and Associated Hospitals/Clinics  
AVAILABLE: All Blocks  
COURSE#: UNEUE

OBJECTIVES AND/OR GOALS:
To achieve advanced and specialized knowledge of the diseases of the nervous system. This elective will be given to senior medical students who already have had their rotation in the clinical neurosciences and who desire advanced and specialized knowledge in understanding the clinical features and the pathophysiology of nervous system diseases.

BEFORE STUDENTS WILL BE ALLOWED TO SIGN UP FOR THIS ELECTIVE, THEY MUST TALK WITH DR. HARIK AND OBTAIN HIS PERMISSION.

(*) Drs. Sami I. Harik, James W. Schmidley and other faculty.

SPECIFIC DUTIES OF SENIOR STUDENTS:
I. Students may elect one of three tracks:

   1. Intensive subspecialty clinic experience; These include neuro-oncology, neuromuscular diseases and EMG, epilepsy and EEG, and movement disorders. Students will examine patients in the subspecialty clinics at UAMS and the VA. They will have assigned readings on subjects of interest.

   2. Intensive consult experience; Students will be assigned to the consult attending of the month and will have assigned readings on the neurological complications of systemic diseases.

   3. Intensive in-patient ward experience; Students will be assigned as subinterns to the attendings on the University or VA ward services. They will also have assigned readings.

II. Students are required to attend weekly conferences and lectures including Neurology Grand Rounds, neuroradiology conference and neuropathological conference, in addition to a weekly seminar with selected faculty to discuss specific neurological topics in depth. Students also attend the lecture series for Neurology residents.

III. Students will be encouraged but are not required to prepare a presentation or write a paper on a topic of their choice.

HOURS PER WEEK:

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<td>Library: 8</td>
<td>Other:</td>
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OBJECTIVES AND/OR GOALS:

1. Factual Knowledge:
   a. The purpose of this rotation will be to provide an understanding of normal neurologic development and practical clinical training in the diagnosis and continuing care of all children with acute and chronic neurologic diseases.
   b. Skills to perform an adequate neurologic evaluation of an infant and child will be improved.

2. Technical Skills to be Learned:
   a. A neurologic examination of the infant and child.
   b. The ability to reach a diagnosis and formulate a diagnostic and/or treatment plan.
   c. The indications for and interpretation of results of selected diagnostic neurologic procedures, including electroencephalography, lumbar puncture, radiologic procedures, muscle biopsy, and evoked potentials.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily Activities:
   a. Attend in-patient teaching rounds.
   b. Perform neurologic consultations and attend Pediatric Neurology clinics.
   c. Attend designated conferences.
   d. Usually rotate one or two weeks on an inpatient/clinic service.

2. Reading Assignments: A syllabus, reading list and lecture material will be provided for the senior student and will include material in basic neuroscience as it relates to clinical problems.

3. Assigned projects, if any: Depending upon the rotator's interest and expertise special short term and clinical investigational projects can be arranged or the student may take part in such ongoing projects.

4. Night Call: None

In the Hours per week listed, the student will either spend 30 hours per week on the ward, or 30 hours per week in the clinic, depending on assignment.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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</table>
OBJECTIVES AND/OR GOALS:

This elective is designed for medical students planning a career in neurosurgery, neurology, neuropathology, or neuroradiology. Since this is an advanced AI elective, previous experience in a third year neuroscience (N/NS) rotation is recommended. Students who are planning to enter the national neurosurgery residency match are especially encouraged to apply for this elective.

1. To perform & coherently present competent neurological evaluations including history & examination.
2. To understand the fundamentals of spine & cranial neuroimaging (CT, MR, Angiography, Myelography) and recognized normal structures and common pathological entities.
3. To understand the clinical manifestations of acute and chronic intracranial hypertension & the principles of emergency management.
4. To recognize the spectrum of mild and severe head injury and to diagnosis and initiate its management.
5. To understand the categories, presenting symptoms, and management principles of brain tumors and abscesses, including indications for surgical intervention including biopsy.
6. To differentiate common headache syndromes with emphasis on recognition and diagnosis of subarachnoid hemorrhage and intracerebral hematoma and their acute management.
7. To recognize presenting symptoms and signs of occlusive cerebrovascular disease and general diagnostic and treatment strategies including indications for surgical and/or endovascular intervention.
8. To evaluate, diagnose, and initiate acute management of spine fracture, dislocation, and spinal cord injury.
9. To evaluate and initiate management of spinal degenerative disk and spondolytic disease, and to recognize neural compression syndromes and indications for surgical intervention.

********Objectives and Goals are Continued in Section Below*****

SPECIFIC DUTIES OF SENIOR STUDENTS:

Objectives and Goals Continued...

10. To understand primary and metastatic neoplastic disease of the spine, common presenting symptoms, and principles of acute management.
11. To diagnosis and initiate management of peripheral nerve injury and common nerve entrapment syndromes.
12. To identify signs and symptoms of hydrocephalus and spinal dysraphism and know the management options in children and adults.
13. To recognize surgically treatable pain syndromes and understand the indications for surgical intervention for pain, movement disorders, and epilepsy.

Specific Duties of Senior Students:

This elective can be individually tailored for students with specific interests in either adult or pediatric neurosurgery. It is designed as an intensive 4 week immersion in the art and science of neurosurgery as well as life as a neurosurgical house officer. As such, the student will be integrated into the housestaff team for participation in admission history and physicals, ward work and attending rounds, outpatient clinic, and direct operative experience. Inpatient load will average 5-10 patients with responsibility shared jointly with residents and attending staff. Reading assignments will be tailored to relevant patient conditions. Scheduled weekly conferences include Neurosurgery Grand Rounds, Neuropathology Conference, Neuroradiology Conference, Basic Neuroscience Conference, and Clinical Case Conference. Students are expected to participate in abbreviated night call under direct in-house neurosurgery housestaff supervision.

HOURS PER WEEK:

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Page 119
OBJECTIVES AND/OR GOALS:
1. To gain an understanding of the basic anatomy of the head and neck.
2. To study this anatomy as encountered in surgery.
3. To gain experience using the operative microscope and surgical instruments.
4. To gain experience performing common surgical approaches of the head, neck, and nervous system in the Yasargil Microneurosurgery Lab.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Attend all assigned sessions including anatomical dissection, video viewing, and observing actual cases in the OR.
2. Document anatomical dissections performed.
3. Student presentation of a selected operative procedure including their thoughts, understanding, comments, and questions presented to the course director and other students.

HOURS PER WEEK:
Conference:  Ward:  Lab:  Library:  O.R.:  Clinic:  Lecture:  Reading:  Other:  Total:
OBJECTIVES AND/OR GOALS:
This course is designed for those who wish to increase their diagnostic and technical skills in normal obstetrics.

1. Factual knowledge to be mastered:
   a. Diagnosis of pregnancy
   b. Prenatal care: initial evaluation and follow-up, nutrition and hygiene, common complaints.
   c. Techniques to evaluate fetal health: antepartum and intrapartum testing.
   d. Conduct of normal labor and delivery: physiology of labor, mechanism of normal labor, analgesia and anesthesia.
   e. Medical and surgical illness during pregnancy and the puerperium.

2. Technical skills:
   a. Measurements of the gravid uterus
   b. Use of fetal monitoring (antepartum and intrapartum)
   c. Conduct of normal labor and delivery, risk assessment, management of dystocia, pudendal block anesthesia.
   d. Assist with operative obstetric procedures.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Make obstetric rounds with residents at 6:00 a.m.

2. Attend pertinent conferences: Weekly Grand Rounds - Wednesday 8:00 a.m., Weekly Obstetric Conference - Wednesday 9:00 a.m., and High-Risk Obstetric Conference - Thursday, 7:00 a.m.

3. Manage labor and delivery of normal parturients.

4. Assist with triage of patients in the prep room on Labor and Delivery

5. Night call is encouraged. Students may take one night per week

Contact Student Coordinator, Shorey Building, 5th floor, 526-7455 on the Monday prior to the start of your rotation. At that time, students will be notified of the resident and attending on service and given the resident's pager to contact prior to starting the rotation.

HOURS PER WEEK:

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COURSE: Gynecology And Gyn Oncology  
DURATION: 4 weeks  
DIRECTOR: Dr. Alexander Burnett  
PHONE: (501) 296-1099  
MAIL SLOT: 793  
LOCATION: UAMS and Associated Hospitals/Clinics  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: UOBGG

OBJECTIVES AND/OR GOALS:
To improve the student's overall understanding of pelvic disease encountered in women. The clinical and pathologic aspects of the benign and malignant processes are stressed.

To enhance the student's medical and surgical judgment pertaining to gynecologic disease through application of the principles of individualized management. The course combines gynecologic oncology with general gynecology, medicine, and surgery, and its content is particularly useful for students seeking a career in Obstetrics and Gynecology, General Surgery, Family Practice, Internal Medicine, Medical Oncology, Urology and Pathology.

TECHNICAL SKILLS GAINED: Pelvic examinations, biopsy techniques, colposcopic exams, interpretation of radiological procedures and histologic material, and surgical assistance at major, minor, and radical pelvic operations.

FACTS AND KNOWLEDGE GAINED: The pathophysiologic correlation of gynecological diseases emphasizing the presenting signs and symptoms, methods of detection and evaluation of gynecologic problems, differential diagnosis, and the use of various treatment modalities. Understanding of psychosocial aspects as well.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student functions as a PGY I Houseofficer, and is responsible for all pre-operative assessment, surgery, and post-operative care of the patients.

Students should call 296-1099 for instructions on where to report on the first day of class.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
This course, designed for those considering post-graduate training in obstetrics and gynecology, will afford the individual the opportunity to assess and manage parturients with specific medical or obstetric complications.

1. Factual knowledge to be mastered:
   a. Assessment of the parturient at risk.
   b. Ambulatory management to the high-risk parturient.
   c. Maternal adaption of pregnancy
   d. Medical and surgical illnesses during pregnancy and the puerperium
   e. Antepartum and intrapartum assessment of the fetus at risk
   f. Infections in obstetrics: impact of bacterial and viral infection on pregnancy outcome
   g. Prenatal diagnosis of genetic disorders
   h. Role of diagnostic ultrasound in obstetrics

2. Technical skills:
   a. Use of fetal monitoring (antepartum and intrapartum)
   b. Intrapartum and postpartum management of the parturient at risk
   c. Experience with diagnostic ultrasound in the high-risk parturient

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Make rounds with obstetric resident on high-risk service at 6:00 a.m.
2. Perform non-stress tests and contraction stress tests in outpatient clinic.
3. Attend pertinent conferences: Weekly Grand Rounds - Wednesday 8:00 a.m., Weekly Obstetric Conference - Wednesday 9:00 a.m., High-Risk Obstetric Conference - Thursday, 7:00 a.m.
4. Attend Obstetric Clinic with antepartum team Monday through Thursday
5. Assist with intrapartum management of high-risk parturient.
6. Assist the third year resident with Labor and Delivery patients, Friday
7. Night call is encouraged. Students may take one night per week.

Contact Student Coordinator, Shorey Building, 5th floor, 526-7455 on the Monday prior to the start of your rotation. At that time, students will be notified of the resident and attending on service and given the resident's pager to contact prior to starting the rotation.

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OBJECTIVES AND/OR GOALS:
To participate in an active Gynecological practice

SPECIFIC DUTIES OF SENIOR STUDENTS:
The Gyn elective will consist of attendance at out-patient clinics in the Community Women's Clinic on Tuesday, Wednesday, and Thursday afternoons, as well as Monday and Thursday mornings. Attendance is required at the Gyn Operative Case Conference. Wednesday morning, OB-GYN departmental conferences occur. On Monday, and Friday mornings, the student will be expected to spend time studying texts and the medical literature guided by the clinical material encountered in the out-patient setting or to spend time in the OR with selected faculty. At the end of the month, the student will be expected to present a formal case list including those cases seen in the clinic during the course of the month. This case list will consist of names, diagnoses, and therapy. A formal paper, consisting of at least 1,000 words, describing the natural history and therapy of at least one gynecologic disease will be required. At the end of the elective, the student will be evaluated on the basis of the formal paper, the case list, and reliability and performance in the out-patient clinic.

If desired, some clinic time will be spent shadowing faculty at the Freeway Medical Clinic; possibly at Baptist.

Students should call Student Coordinator at 837-9668 for instructions on where to report for the first day of class.

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COURSE: Outpatient Gynecology
DURATION: 4 weeks
DIRECTOR: David Hutchins, M.D.
PHONE: (501) 837-9668
MAIL SLOT: 518
LOCATION: UAMS and Associated Hospitals/Clinics
MAX STUDENTS: 1
MIN STUDENTS: 
AVAILABLE: All Blocks
COURSE#: UOBGF
OBJECTIVES AND/OR GOALS:

This course is designed for students wishing to increase their knowledge of clinical female reproductive endocrinology and infertility.

1. Factual knowledge to be mastered:
   a. physiology of normal and abnormal menstruation
   b. evaluation of the infertile couple
   c. overview of assisted reproductive technology techniques including IVF, cryopreservation
   d. evaluation and management of hyperandrogenism
   e. techniques of ovulation induction
   f. very simple overview of evaluation of repeated pregnancy loss
   g. how to do a semen analysis and interpretation
   h. rotation for 1 to 2 days in the IVF lab.

2. Technical Skills:
   a. interpretation of hysterosalpingograms
   b. vaginal sonography
   c. assist with reproductive endocrine surgery

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Attend and assist all reproductive endocrine surgery
2. Attend and assist performance of hysterosalpingograms
3. Attend outpatient reproductive endocrinology/infertility clinics
4. Assist in performance of transvaginal ultrasound for follicle monitoring

Contact Student Coordinator on the Monday prior to the start of your rotation. At that time, students will be notified of the resident and attending on service and given the resident's pager to contact prior to starting the rotation.

HOURS PER WEEK:

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COURSE# : UOBGK
OBJECTIVES AND/OR GOALS:

1. Technical skills to be learned with emphasis on significance:

   A basic eye examination of intraocular pressure, the use of the direct ophthalmoscope for fundus evaluation, slit lamp (biomicroscopy), pupillary evaluation, and confrontational visual fields. Care of ocular emergencies will also be emphasized.

2. Factual knowledge to be gained:

   A. Eye findings related to a variety of systemic diseases.
   B. Differential diagnosis of various eye symptoms and findings.
   C. Diagnosis and management of common eye problems.
   D. Observation of and possibly assisting in ophthalmic surgical procedures, including laser.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The students will have rotations, 1 week each, in the Eye Clinics at the Medical Center, VA Hospital, and Arkansas Children’s Hospital. They will make hospital rounds with residents and attend surgery in the OR. During the fourth week, the student can choose to return to one of the above clinics or spend a week in the office of a private ophthalmologist. One on one conferences are scheduled each week with faculty. Preceptorships with private ophthalmologists are also available. There is no night call requirement. Clinical research is available. An opportunity will be given to present cases at Grand Rounds.

Ms. Carryl Blackburn, in the Ophthalmology Department Office, is authorized to sign drop/add forms for this course in Dr. Dersu's absence.
COURSE: Neuro-Ophthalmology
DURATION: 4 weeks
DIRECTOR: Joseph Chacko, M.D.
PHONE: (501) 686-5150
MAIL SLOT: 523
LOCATION: UAMS and Associated Hospitals/Clinics

MAX STUDENTS: 2
MIN STUDENTS: 0
AVAILABLE: All blocks

OBJECTIVES AND/OR GOALS:
To gain hands-on experience in the diagnosis and treatment of common neuro-ophthalmic problems. The spectrum of disorders includes optic neuritis, stroke, myasthenia gravis, cranial nerve palsies, brain tumors, malingering, etc. Emphasis will be placed on developing strong eye examination techniques, including vision screening, confrontational visual fields, pupil exams, and direct fundoscopy. The student will also learn to interpret MRIs and automated visual fields.

SPECIFIC DUTIES OF SENIOR STUDENTS:
To assist in the work-up of neuro-ophthalmic patients in the clinic, by participating in history and physical exams.
To assist and participate in surgical and diagnostic procedures.
To attend teaching conferences.
To learn through reading assignments in connection with current clinical cases.

There is no night call requirement.

Dr. Chacko's telephone number is 501-686-5150 Extension 1219

HOURS PER WEEK:

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COURSE#: UOPHE
OBJECTIVES AND/OR GOALS:

Senior students engaged in this elective will investigate a specific topic in ophthalmology selected by the student and the preceptor that relates to various eye diseases such as age-related macular degeneration, uveitis, keratitis, and ocular tumors. An initial literature search of published material related to the topic will be followed by discussion of the project with the preceptor, development of a specific aim and working hypothesis, and development of a research plan with appropriate methodology to test the working hypothesis. The scientific method will be stressed during performance of the project.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The senior student will be responsible for completion of the project in the time allocated and within the budget provided for the project. Active communication will take place between the student and preceptor during performance of the project, although the amount of supervision will vary depending on the complexity of the project. At the completion of the project, the student will present a summary of the background literature and an evaluation of the data collected in the form of a scientific manuscript. When warranted, the student will be encouraged to submit a revised manuscript for publication in a peer-reviewed journal, a process that will involve guidance and suggestions from the preceptor.

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Total: 40
OBJECTIVES AND/OR GOALS:

Technical skills: Examination of the neck, back, upper and lower extremities; application of splints and casts; knowledge and application of various forms of musculoskeletal traction, perform diagnostic and therapeutic injections; assisting in the operating room.

Factual Principles: Develop student activity to gather information from a patient with musculoskeletal disease or injury through history taking, physical examination, and appropriate use of common diagnostic methods; develop student ability to assess the facts in order to arrive at the probably nature of the patient's problems and develop an approach to further investigation and/or treatment; develop the student's awareness for those disease or injuries which are emergencies or where delay or diagnosis of treatment will lead to unnecessary deformity or morbidity.

*Drs. Nelson, Aronson, Bindra, VanderSchilden, Hasan, Gruenwald, Blasier, and Thomas

SPECIFIC DUTIES OF SENIOR STUDENTS:

Daily rounds with faculty and/or residents; ward work (histories and physicals, laboratory, dressing changes); assisting in the operating room; clinics.

Reading assignments: Salter, Textbook of Musculoskeletal Diseases; Paper back, Examination of the Orthopaedic Patient; Hoppenfeld, S. Physical Examination of the Spine and Extremities; sound slide and video tapes in the Orthopaedic Teaching Library. UAMS Orthopaedic Junior Syllabus

Conference Schedule: Tuesday, 7:30-8:30 a.m. Fracture Conference; Tuesday, 8:30-10:00 a.m. Bibliography Conference (topic to be assigned weekly); Tuesday, 10:00 - 11:00 a.m. Grand Rounds

Patient load: 40-60 outpatients per week; 5-to 12 operative patients per week.

Students may not split up their time between these hospitals.

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OBJECTIVES AND/OR GOALS:

1. General: Gain increased knowledge of the scope of otolaryngology
2. Specific:
   a. Technical skills:
      1. Gain proficiency in performing a thorough ENT exam
      2. Gain experience in techniques of soft tissue surgery
   b. Factual Knowledge:
      1. Diagnosis and treatment of infectious diseases in ENT; Otitis, sinusitis, pharyngitis, etc.
      2. Management of ENT emergencies; e.g. upper airway obstruction, epistaxis, etc.
      3. Principles of head and neck cancer therapy
      4. Management of maxillofacial trauma
      5. Management of the dizzy patient

Students may split their time between the hospital at UAMS, Arkansas Children's Hospital, and the Little Rock VA hospital, or spend all their time at one of the hospitals.

*Drs. Suen, Bower, Buckmiller, Dornhoffer, Key, Moody, Stack, Vural, Shipp, Richter, Tulunay, and Welch

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities:
   a. Rounds twice a day with faculty and/or residents
   b. Ward work
   c. Assistant in operating room (2-3 times weekly)
   d. Clinic (3-5 times weekly)

2. Reading assignments: DeWeese and Saunders, Textbook of Otolaryngology, Cancer of the Head & Neck, Suen & Meyers, and other pertinent texts and journals.

3. Assigned projects: 10 minute presentation of any topic related to Otolaryngology. To be presented at the beginning of a Morbidity & Mortality conference. Once the presentation is completed, all medical students are asked to leave before M&M begins.

4. Conferences schedule:
   5:00 p.m., Monday - Head and Neck Tumor Conference; 6:30 a.m., Tuesday - Didactic Conference; 7:15 a.m., Tuesday - M&M Conference (students are excused from M&M conference); 7:00 p.m., 2nd Tuesday of each month - Temporal Bone Lab; 7:00 p.m., 3rd Thursday of each month - Journal Club

5. Expected patient load: 40 outpatients/week; 5 surgical patients/week

On the first day of class, students should report at 8:00 a.m. to room 975 of the Otolaryngology office, 9th floor, Jackson T. Stephens Spine and Neurosciences Institute. Please ask for Lisa Blair, Residency Coordinator.

HOURS PER WEEK:

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</table>
OBJECTIVES AND/OR GOALS:
Provide medical students with an introduction to dermatopathology; exposure to the microscopic aspects of clinical dermatology and the necessity of clinicopathologic correlation.

NO ONE CAN SIGN UP FOR THIS COURSE WITHOUT THE PRIOR APPROVAL OF THE COURSE DIRECTOR!

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Supervised processing of received tissue specimens. The student will learn how to process a skin biopsy for later microscopic evaluation.
2. Pre-viewing of microscopic slides on a daily basis. Microscope slides are previewed in advance of formal signout in conjunction with the residents and fellows on the service. The trainees attempt to establish a differential diagnosis and arrive at a correct diagnosis.
3. Review of microscopic slides at multi-headed microscope with the attending dermatopathologist and other trainees daily at UAMS.
4. Examination of available large slide review collections. The dermatopathology unit houses several thousand slides in a readily available teaching collection which will be made accessible to rotating students.
5. Attendance at weekly conferences including: Dermatology grand rounds, Chapters of dermatopathology text review conference, dermatopathology unknown conference, Dermatology didactic lectures, Dermatology journal review. Students will be encouraged to preview slides and to generate differential diagnosis appropriate for level of training.
6. Attendance at Dermatology journal club, Dermatopathology journal club, and Pathology slide conferences.
7. Attendance at appropriate dermatology clinics to enhance the clinicopathologic correlation.

On the first day of the rotation, you should report to room S7/21 in the Shorey Building at 8:00 a.m.

HOURS PER WEEK:

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COURSE: Clinical Pathology
DIRECTOR: Dr. John Theus
PHONE: (501) 686-7434
MAIL SLOT: 502
LOCATION: UAMS and Associated Hospitals/Clinics

DURATION: 4 weeks
MAX STUDENTS: 2
AVAILABLE: 2,3,4,5,6,7,8,9
COURSE#: UPATF

OBJECTIVES AND/OR GOALS:

The student will be introduced to, and given an overview of, clinical pathology. The student will learn basic laboratory skills, effective test ordering strategies, interpretation of laboratory data and clinical application of results.

The student will have daily contact with faculty and staff, reviewing interesting cases and unusual laboratory findings. Correlation of laboratory testing, clinical history, physical exam and condition, and other ancillary work will be stressed, providing the student with an all encompassing view of clinical pathology and how it relates to medicine as a whole.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Blood Bank: Observe and perform appropriate tests, including type and crossmatch, antibody identification and Coombs test. Understand the significance of a positive antibody screen, Coombs test, and transfusion reaction. Learn the principles of transfusion component therapy, type and screen and the roll of the Blood Bank in a hospital setting.

Clinical Chemistry: Gain familiarity of available laboratory tests and with instrumentation and methodology utilized in the clinical lab. Interpretation and clinical significance of results will also be reviewed and related to disease states and conditions.

Hematology: Learn preparation techniques and evaluation of peripheral smear, urinalysis and other body fluids through introduction to the hematology lab and daily sign-out of specimens. Review bone marrow and lymph node biopsies in the diagnosis of hematological disorders.

Microbiology: Perform and interpret a Gram stain, AFB, and KOH prep. Understand the workup of site specific infections such as those of the CSF or urine. Introduction of antimicrobial susceptibility and organism identification will be included. Rounds with Infectious Disease Service will take place twice a week.

HLA/Flow Cytometry: Basic principles regarding methods, instrumentation/operation and application will be addressed. Interpretation and clinical significance of results will also be reviewed.

HOURS PER WEEK:

Conference: 6  Ward: 4  Lab: 20  Library: 2  O.R.:  
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Total: 40
OBJECTIVES AND/OR GOALS:
Provide medical students with an introduction to dermatopathology research; introduction to techniques of laboratory investigation.

This course can also be taken as a longitudinal with the advance permission of Drs. Smoller and/or Hiatt. If it is taken as a longitudinal, credit hours can vary with student effort. Please see Dr. Wheeler for an explanation of how credit hours are assigned when taken as a longitudinal.

THIS COURSE CANNOT BE TAKEN WITHOUT PRIOR CONSENT OF THE COURSE DIRECTOR

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Prior to initiation of elective, the student is expected to define a project with the course director and to establish an appropriate project design.

2. The student will undertake the necessary background reading in order to be in a position to develop the project.

3. The student will develop a research plan in conjunction with the faculty member and necessary materials and space will be identified.

4. The student will perform the research project using the materials and space that have been allocated. Close faculty supervision will be available to the student.

5. The student will be encouraged to play a central role in the publication and/or presentation of the results of any successful projects.

6. The student will be encouraged to attend teaching sessions in the departments of Pathology and Dermatology, as time permits during the primary research elective.

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OBJECTIVES AND/OR GOALS:
The student(s) will become familiar with the Medical Examiner Law, view autopsies and discuss findings, review pertinent literature, read texts and journals, accompany doctors to court, and initiate and, if possible, complete a small investigative study. They will also spend time observing various sections of the State Crime Laboratory.

SPECIFIC DUTIES OF SENIOR STUDENTS:
** Site: Arkansas State Crime Laboratory
   #3 Natural Resources Drive
   P.O. Box 5274
   Little Rock, Arkansas 72215
   (501) 227-5936  FAX (501) 227-0713

For additional information contact either Dr. Kokes at the number above, or Dr. Hough at 686-5170.

Dr. Kokes is the State Medical Examiner and is also a Professor of Pathology here at UAMS. This course will not count as on-campus-time for the purposes of the 12 hour rule.

On the first day of this rotation, the student should report to the front desk of the ASCL at 8:00 a.m.

HOURS PER WEEK:
Conference:  10  Ward:  10  Lab:  10  Library:  10  O.R.: 
Clinic:  Lecture:  Reading:  Other:  Total:  40
OBJECTIVES AND/OR GOALS:

This elective is an advanced rotation in hematopathology. The goal is for the student to have primary responsibility in the diagnosis of peripheral blood, bone marrow, and lymph node disorders. Integration of cytochemistry, immunohistochemistry, flow cytometry, cytogenetic, and molecular data is required. The student will also obtain experience in directing the hematology laboratory with attending supervision.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Participation in specimen collection, laboratory analysis, and formulation of diagnoses (sign out) of current diagnostic and staging bone marrow and lymph node biopsies. Involvement in decision making and problem solving in the hematology laboratory.

Attendance at and participation in interdisciplinary patient management and didactic conferences of relevance to patients with hematologic malignancies. Study of illustrative archival cases together with pertinent literature, in order to develop an understanding of the nature and pathogenesis of these processes.

Opportunities exist for students to devote their efforts to the study in depth of a particular diagnostic methodology or disease process.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
1. To prepare the student for the practice of medicine by exposing him/her to the pathology of diseases and the results of therapy.
2. To acquaint the student with the role of the surgical pathologist in the practice of medicine.
3. To instruct the student in the factual knowledge, methods and limitations of surgical pathology.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Gross and microscopic diagnosis of routine surgical pathology specimens on an alternate day by day basis includes: (a) frozen section diagnosis (b) touch preparation and fine needle aspiration of specimens, where indicated (c) photography of gross specimens and histopathologic slides (d) radiography of appropriate specimens (e) electron microscopy, where indicated (f) special stains, including immunohistochemical procedures with monoclonal and polyclonal antibodies, and enzyme histochemistry (g) cytologic correlation with histopathology (h) immunofluorescence The student will initially assist the pathology resident with gross surgical pathology. Ultimately he/she will take full responsibility for his/her own cases.

2. Conferences:
   a. Attendance at Surgical Pathology, Dermatopathology, and Residents Conferences
   b. Optional attendance at Autopsy Pathology, Electron Microscopy, Medicine, CARTI, Dysplasia, Gynecology Oncology, Ophthalmology, Radiology and Neuropathology Conferences.

3. Presentation of a case with clinical history, lab investigation, and radiologic correlation with presentation of pathology

4. Optional attendance at one or more autopsies.

First day: Go to room S4/O9 in the Shorey Building at 8:00 a.m.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
A. Understand the (new) field of sleep medicine in general and pediatric sleep medicine specifically (and how it fits with other medical specialties)
B. Become familiar with the common childhood and adolescent sleep disorders
C. Understand the differential diagnosis of snoring (sleep apnea, etc.)
D. Understand the differential diagnosis of excessive daytime sleepiness
E. Understand the differential diagnosis of insomnia or restless/interrupted sleep
F. Understand the pathophysiology of common sleep disorders and snoring/sleep apnea
G. Understand the link between sleep apnea and hypertension/cardiovascular disease
H. Understand the importance of sleep in daytime neurocognitive functioning (understand the effects of sleep deprivation on daytime function)
I. Be able to perform a complete sleep history and examination
J. Understand polysomnography (sleep study) and its indications and limitations
K. Understand evaluation tools and tests used to assess excessive daytime sleepiness
L. Become familiar with narcolepsy and its diagnosis/management
M. Understand psycho-social aspects of sleep disorders

SPECIFIC DUTIES OF SENIOR STUDENTS:
a. Review classification of sleep disorders and sleep disorders terminology
b. Active participation in sleep clinics (1 or 2/week)
c. Active participation in ENT (upper airway) clinic (once/week)
d. Active participation in sleep center rounds and study review meetings
e. Perform or actively participate in inpatient sleep service consultations
f. Participate in scoring of sleep studies
g. Participate in interpretation of sleep studies
h. Attend all or part of an overnight sleep study (optional)
i. Readings in sleep medicine
j. Elective can be customized, to some degree, to reflect special interests of student with respect to sleep medicine.
OBJECTIVES AND/OR GOALS:

1. Factual knowledge to be gained: Clinical management of a case load typical to private pediatric practice.

2. Technical skills to be learned: Organization of pediatric practice in a private office or clinic in a private hospital.

Detailed arrangements between preceptor, electing student, and Dr. Smith must be completed and recorded in a memo, signed by those three parties before or during the elective month.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities: Pediatric practice under the tutelage of one or more affiliated private pediatricians selected jointly by the student and the Department of Pediatrics, to include inpatient and nursery rounds; clinic practice to include seeing patients, working in clinic lab, and learning practical aspects of private practice.

2. Reading Assignments: Current literature on clinical problems and the organization of private practice.

3. Assigned projects: not required. A student wishing to pursue some problem in-depth should discuss this several weeks in advance with Dr. Smith and the preceptor.

4. Conferences scheduled: Pediatric departmental conferences as time and geography permits.

5. Expected case load: 3-10 patients daily, depending on complexity and case load.

6. Abbreviated schedule: The weekly schedule is to be arranged with preceptor. A student may spend eight blocks in a single practice, or may divide the period into two shorter blocks spent in two sites.

7. The student is expected to attend 75% of clinic sessions.

This elective does not count as on-campus time for the purposes of the twelve hour rule.

This elective is only available to UAMS students.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

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OBJECTIVES AND/OR GOALS:

A. Technical Skills:
   1. Obtain a history from patients with neuromusculoskeletal disorders with particular emphasis on functional limitations, residual abilities and socio-economic status.

B. Factual Principles:
   1. Formulate a problem list including medical, functional and socio-economic status.
   3. Learn appropriate functions of a rehabilitation team, physical and occupational therapists, speech pathologists, vocation and rehabilitation counseling.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Students will attend scheduled educational sessions (lectures, journal club, clinical conferences, etc.) with PM&R residents at least twice per week

Students will attend PM&R clinics as assigned (ACH, VA, University Hospital)

Students will participate in consult rounds as assigned (ACH, University Hospital)

HOURS PER WEEK:

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Total: 40
OBJECTIVES AND/OR GOALS:

Unit 1 Upper at the Arkansas State Hospital concentrates on sex offender specific treatment. The rotation provides for observation of multiple treatment modalities and provides the opportunity to:

1. Enhance interviewing skills;
2. Encounter and diagnose major psychiatric disorders such as depression, post traumatic stress disorder, conduct disorder, etc.;
3. Gain a greater understanding of the treatment of the disruptive behavior disorders and the treatment of sex offenders;
4. Gain exposure to group and family therapy;
5. Gain experience in working actively as a member of a multidisciplinary treatment team.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Interview prospective patients as a member of an evaluation team.
2. Interview new admissions as a part of the psychiatric evaluation.
3. Participate in biweekly Treatment Team meetings.
4. Observe and participate in group therapy as well as family therapy.
5. Attend case conferences with residents and unit staff.
6. Attend didactic seminars with Child and Adolescent Psychiatry residents one afternoon per week.

On the first day of this rotation, students should report to the Arkansas State Hospital, Unit 1 upper at 8:30 a.m.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

During the rotation, the medical student will develop a basic knowledge and clinical skill in the assessment and treatment of acutely and severely emotionally and/or behaviorally disturbed children and adolescents. They will work on an acute psychiatric inpatient unit 1/2 of the time and on the Arkansas Children's Hospital Child Psychiatry Consultation and Liaison Service 1/2 of the time. This will provide the student with a broad exposure to children and adolescents with acute and emergent needs, along with a combination of medical/psychiatric symptom presentations to gain experience from. Medical Students will work direction with Child and Adolescent Psychiatry Fellows and Faculty.

1. Demonstrate a knowledge based and competence in diagnosing and treatment severely disturbed children and adolescents with multiple problems and/or environmental crises.
2. Show appropriate use of special services and modalities characteristically used only in hospitals and residential settings, such as seclusion and restraint, suicide precautions, behavior modification, etc.
3. Perform a comprehensive medical and psychiatric work-up
4. Observe and participate in performing brief family therapy.
5. Understand the role of community based acute psychiatric hospitalization as one component of the mental healthcare system.
6. Demonstrate the ability to recognize and address when consultations involved systems level issues or transference/counter transference issues.
7. Demonstrate an appropriate fund of knowledge about somatoform disorders.
8. Demonstrate the ability to work with the healthcare team to take care of these patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Each medical student will be given a formal evaluation at the end of the month. This will allow the medical student to evaluate the educational experience, and quality of supervision and instruction provided by the teaching faculty and child psychiatry fellows. Each evaluation will be reviewed by the faculty supervisor and Child Psychiatry Residency Program Director, and any concerns or deficiencies addressed.

The teaching faculty will also be given a formal evaluation at the end of the month. This will allow the attending physician to evaluate the knowledge, professionalism, and patient care skills of each medical student.
OBJECTIVES AND/OR GOALS:

Goal: During the rotation the medical student will develop a basic knowledge and clinical skills in the assessment and treatment of acutely and severely emotionally and/or behaviorally disturbed children and adolescents. They will work on an acute psychiatric inpatient unit 1/2 of the time and on the Arkansas children’s Hospital Child Psychiatry Consultation and Liaison Service 1/2 of the time. This will provide the student with a broad exposure to children and adolescents with acute and emergent needs, along with a combination of medical/psychiatric symptom presentations to gain experience from. Medical Students will work directly with Child and Adolescent Psychiatry Fellows and Faculty.

Objectives: Upon completion of the rotation, the medical student will:
1. Demonstrate a knowledge based and competence in: diagnosing frequently seen primary and co-morbid psychiatric conditions in children and adolescents; planning psychiatric treatment for severely disturbed children and adolescents with multiple problems and/or environmental crisis; developing rational goals for short-term hospital treatment; determining need for acute hospitalization; developing appropriate components of multi-modal/multidisciplinary evaluation and hospital treatment; maintaining safety and health for the milieu as a whole and for individual patients in the hospital; understanding the principles of leadership required to provide effective administration of the multidisciplinary team in an acute inpatient setting.
2. Show appropriate use of special services and modalities characteristically used only in hospital and residential settings, such as seclusion and restraint, precautionary statuses (e.g. suicide precautions), behavior modification, specialized group therapy approaches, and the use of psychotropic medications.
3. Perform a comprehensive medical and psychiatric work-up.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Objectives continued:
4. Observe and participate in performing brief family therapy to assist in stabilization and reunification of the family unit during a time of crisis.
5. Understand the role of community-based acute psychiatric hospitalization as, one component, of the broader child and adolescent mental healthcare system.
6. Demonstrate the ability to recognize and address when consultations involve systems level issues or transference/counter transference issues that may include family, nursing care, medical staff, or other parts of the patient care team.
7. Demonstrate an appropriate fund of knowledge about somatoform disorders, psychiatric complications of severe and chronic medical illness including severe head and body injuries, life-threatening conditions, abuse and neglect, and the impact of abnormal attachment states. They will also become familiar with the indications, risks, and proper use of psychotropic medications in children and adolescents.
8. Demonstrate the ability to work effectively with physicians, nurses, other professionals, and family members in a medical setting in the assessment and treatment of emotional and behavioral problems of pediatric patients. This includes communicating findings with the requesting physician in each case.

Evaluations:
1. Each medical student will be given an opportunity to evaluate the rotation, and the teaching faculty will also formally evaluate the student.

HOURS PER WEEK:

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Page 142
OBJECTIVES AND/OR GOALS:
The Arkansas State Hospital is the inpatient site for the treatment of the most ill and indigent psychiatric patient in the state.

As an acting intern, the student will experience the following:

1. Enhance Interviewing skills.
2. Encounter and diagnose major psychiatric disorders (schizophrenia, affective disorders, severe personality disorders, organic mental disorders).
4. Gain exposure to various treatment approaches on an inpatient setting.
5. Increase confidence as a primary physician.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Will admit and work-up new patients under direct supervision of attending physician
2. Will follow the patient through course of hospitalization, formulating treatment plan, implementing treatment modalities, and helping create aftercare plans in a multidisciplinary setting
3. Will attend morning report and case conferences with residents and unit staff
4. Will attend didactic seminars one afternoon per week with psychiatry residents.

On the first day of this rotation, students should report to the Arkansas State Hospital, Unit 3 Upper at 7:45 a.m.

HOURS PER WEEK:

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COURSE: Dx and Tx of Adolescent Psych Pts.  
DURATION: 4 weeks

DIRECTOR: Veronica Williams, M.D.  
MAX STUDENTS: 1

PHONE: (501) 686-9495  
MIN STUDENTS:

MAIL SLOT: 703  
AVAILABLE: All Blocks

LOCATION: Arkansas State Hospital  
COURSE#: UPSAI

OBJECTIVES AND/OR GOALS:

Unit 1 Lower of the ASH is a 16 bed acute and residential inpatient adolescent psychiatry unit. Average census is 8 to 10 patients. As an acting intern, the student will work with the treatment team with the supervision of a PGY4 child and adolescent psychiatry resident and attending physician. This experience will provide an excellent opportunity to develop skills as an in-patient psychiatric provider.

Specifically, the student will experience the following:
1. Enhance interviewing skills.
2. Encounter and diagnose major psychiatric disorders (affective disorders, disruptive behavioral disorders, substance abuse disorders, ADHD, and organic mental disorders).
4. Gain exposure to treatment approaches on an in-patient setting, including individual, group, and family psychotherapy.
5. Increase confidence as a primary physician.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Admit and work-up 2-3 new patients per week under direct supervision of psychiatric resident and attending physician.
2. Follow the patient through course of hospitalization, formulating treatment plan, implementing treatment modalities, and helping create aftercare plans in a multidisciplinary setting.
3. Attend morning report and treatment team meetings with resident and unit staff.
4. Attend didactic seminars one afternoon per week with psychiatric residents.

On the first day of this rotation, students should report to the Arkansas State Hospital, Unit 1 upper at 8:30 a.m.

HOURS PER WEEK:

| Conference: 8 | Ward: 24 | Lab: | Library: 4 | O.R.: |
| Clinic: | Lecture: 4 | Reading: | Other: | Total: 40 |
OBJECTIVES AND/OR GOALS:

1. Improve interviewing and examination skills
2. Develop an understanding of several brain-behavior relationships
3. Improve management skills, especially psychopharmacology.
4. Become familiar with the evaluation and acute treatment of the emergent psychiatric patient.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Interpretation of laboratory studies with supervision
2. By the completion of the elective, the student will be observed doing a complete neuropsychiatric evaluation in an acute setting

The telephone number for this rotation is 257-1000 Ext 55060

On the first day of the rotation, please report to the Little Rock VA, room 1D140, near the ER, at 8:00 a.m.

HOURS PER WEEK:

|-------------|---------|-----|-----------|-------|---------|---------|---------|-------|---------|
OBJECTIVES AND/OR GOALS:
The ASH Forensic unit is the inpatient site for the treatment of individuals found incompetent to stand trial or not guilty of a crime by mental disease or defect. It is also the location of pre-trial assessments of these and other legal issues.

During the elective, the student will experience the following:
1. Encounter and diagnose major psychiatric disorders in a population of mentally disordered offenders.
2. Learn the legal criteria for Competency to Stand Trial and Legal Insanity and learn how to apply these concepts to pre-trial patients.
3. Learn about the interface between Psychiatry and the Criminal Justice System, especially the role of the psychiatrist in court and the preparation of psycholegal court reports.
4. Learn skills for testifying in court.
5. Learn how to recognize malingered symptoms of mental illness.
7. Observation of psychiatrists testifying in civil and criminal courts.
8. An opportunity to observe closed, secured facilities, including the Arkansas State Hospital Forensic Unit.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Will participate in the assessment of outpatient and inpatient forensic patients under the direct supervision of the attending or forensic psychiatry fellow. This assessment will include the review of medical and criminal records, contacting witnesses and family members for collateral information, and the administration of specialized psychiatric assessments to assess for malingering, incompetence, and criminal responsibility.
2. Will review forensic reports that address pertinent psychiatric and legal issues.
3. The student will be required to observe physicians in court and formulate strengths and weaknesses in observed testimony.

On the first day of this rotation, students should report to the Arkansas State Hospital Forensic Unit at 9 a.m.

HOURS PER WEEK:
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OBJECTIVES AND/OR GOALS:
The goals of the medical student elective in mental health services research are to learn the basic assumptions, methodology, and techniques of this research field.

Goals are:
1. Increased knowledge of experimental design and research methods in health services research.
2. Participation in aspects of research design, data collection, data analysis, and/or reporting research results.
3. Increased knowledge of research that is studying the implementation of evidence-based practice into routine care.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will achieve these objectives by working on ongoing research conducted by the course director or by other faculty in the Division of Health Services Research.

Specific duties include:
1. Read selected literature concerning mental health services and/or implementation research.
2. Understand the hypotheses and experimental design used in the investigators research.
3. Participate in research opportunities, including project meetings, data analysis, report writing, and research conferences.

On the first day of this rotation, students should go to the NLR VA (Ft. Roots) Building 58, room 254 at 8:30 a.m., or otherwise as arranged with the course director.

HOURS PER WEEK:

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Page 147
OBJECTIVES AND/OR GOALS:

To provide a fourth year medical student a comprehensive overview of outpatient psychiatry as practiced in a large, multidisciplinary outpatient clinic. The student will appreciate the special talents contributed by a variety of mental health disciplines including psychiatry, psychology, pharmacy, social work, and nursing. The student will participate in the evaluation of new referrals and develop an understanding of treatment techniques including individual and group psychotherapies, psychopharmacology and behavioral techniques. Instruction in the role of psychological testing will be available.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. The student will work closely with a senior psychiatrist in the evaluation of new patients and their subsequent treatment.
2. Under close supervision, the student will be allowed to personally develop and carry out treatment plans for a limited number of patients.
3. The student will participate in a multidisciplinary team treatment clinic once weekly.

This elective is considered an Acting Internship.

On the first day of the rotation, students should report to the NLR VA hospital (Ft. Roots), Building 170 IL

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
1. Familiarize the student with approaches in the evaluation of psychiatric disorders in geriatric patients.
2. Familiarize the student with acute and chronic psychiatric syndromes in the elderly.
3. Learn about the use of psychotropic agents, focusing on key issues in geriatric psychopharmacology.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Evaluation of geriatric patients, to include history, physical exam and mental status examination.
2. Attend daily ward rounds.
3. Read assigned literature on geriatric psychiatry and psychopharmacology.
4. Attend weekly conferences, and weekly supervision and lectures.
5. Actively participate in the treatment of geriatric patients with psychiatric disorders.

On the first day of class, students should report to NLR VA (Fort Roots), Ward 1H

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OBJECTIVES AND/OR GOALS:
1. Develop skills in the management of acute psychiatric inpatients.
2. Further refine interviewing skills.
3. Gain more familiarity with all aspects of treatment, especially the psychopharmacological treatment of mental illness.
4. Acquire more familiarity with the differential diagnoses of mental illness.
5. Develop further skills in formulating a psychiatric case.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. The student will perform admission psychiatric evaluation and work-up of newly admitted patients, at a rate of approximately 4 per week, under direct supervision of staff physician.
2. The student will present and discuss the case with the attending physician.
3. The student will implement a treatment program, including aspects of biological, psychological, and social components, and will carry this through until time of discharge.
4. The student will attend morning rounds and case conferences with third-year students and psychiatry residents.
5. The student will attend didactic lectures for the first-year residents one afternoon per week.

First Day information - go to NLR VA (Ft. Roots) Building 170, Ward 3K

HOURS PER WEEK:
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<th>Conference</th>
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COURSE: Psychiatry - Adult Inpatient
DURATION: 4 weeks
DIRECTOR: Drs. Snow, and McClain
PHONE: (501) 257-2847
MAIL SLOT: 704/116
LOCATION: Little Rock or North LR VA Hospital
COURSE#: UPSAB
MAX STUDENTS: 1
MIN STUDENTS: 1
AVAILABLE: All Blocks
OBJECTIVES AND/OR GOALS:
1. To learn about the various psychiatric syndromes that most commonly present in a medical setting.
2. To learn about the various psychiatric treatment modalities utilized in a medical setting.
3. To gain knowledge of the consultation process and learn ways to communicate effectively with other professional staff.
4. To become familiar with psychological and social factors that contribute in somatic illness.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Evaluation of new consultations on medical/surgical/neurology wards (approx. 3-5/wk)
2. Attending rounds daily.
3. Follow-up of consultations and conferring with staff, family members daily.
4. Attend conferences/lectures as scheduled (UAMS Psychiatry Grand Rounds, C/L Conference, Psychiatry Resident Didactics
5. Selective readings from attending.

The telephone number for this course is 501-257-1000 Extension 55060

On the first day, students should go to the Little Rock V, 7A107 at 8:30 a.m.
OBJECTIVES AND/OR GOALS:
A fourth year medical student rotating on this elective functions as an acting intern on the General Hospital Psychiatry service. This rotation gives an important glimpse of the complex overlap between medical illnesses and emotional or psychiatric symptoms. Medical students are given the opportunity to tailor the rotation to meet their professional developmental needs depending on their chosen field of medicine. For example, students who will enter Ob/Gyn are preferentially assigned to work with patients with issues related to that field, etc. Students will be encouraged to pursue their intellectual curiosity within their area of interest.

1. Understand the manner in which psychiatric illness can present in the general medical setting.
2. Understand the psychological impact of illness on patients and be able to identify their coping skills and resources.
3. Recognize patterns of behavior of "challenging" patients and learn strategies to work with them.
4. Improve interviewing skills.
5. Increase understanding of neuropsychiatric illnesses.
6. Be familiar with treatment modalities appropriate for medically ill patients
7. Understand the consultation process and the techniques, responsibilities, and limitations of the consultant role.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Initial evaluation of assigned patients, writing up evaluation and presenting on rounds.
2. Daily care of assigned patients writing progress note(s) and presenting progress on daily rounds.
3. Attend educational conferences.
4. Expand knowledge base through reading textbooks and exploring the literature in areas of interest.
5. Give a short presentation on C-L topic of interest

Please call 688-6636 for details on where to report the first day of this rotation.

HOURS PER WEEK:
Conference: 2  Ward: 33  Lab:  Library:  O.R.:  
Clinic:  Lecture:  Reading: 5  Other:  Total: 40
OBJECTIVES AND/OR GOALS:
1. To learn about the different ways that substance abuse presents, especially when combined with mental illness.
2. To learn about the different treatment modalities utilized for substance abuse rehabilitation at the VA and in the community.
3. To become familiar with biological, psychosocial, and social factors that contribute to and maintain substance abuse in the severely mentally ill.

Recent studies have emphasized that substance abuse often occurs with mental illness. Moreover, substance abuse often causes or exacerbates certain psychiatric syndromes, and worsens the prognosis. The student will rotate on a dual diagnosis ward that offers milieu, group, and outpatient therapy, as well as new pharmacological interventions. The student will also have the opportunity to rotate at substance abuse programs around the city, including programs that offer methadone treatment, 12 step, support for cocaine abusing mothers, etc.

Telephone number is 257-1000 Ext 52740

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Do consultations on other wards, which will include a substance abuse and mental status exam, to determine which patients are eligible for the program.
2. Participate in group therapy.
3. Follow selected patients and participate in the treatment program.
4. Visit at least twice off-site programs and meet with the patients and staff.
5. Attend conferences and at least one AA, NA, or CA meeting.

Phone number = (501) 257-3478

On the first day of this rotation, go to Unit 2J in NLR, Building 170 (main hospital building)

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
1. To learn about the various substance abuse syndromes that most commonly present.
2. To learn about the various treatment modalities utilized for substance abuse detoxification and rehabilitation.
3. To become familiar with psychological and social factors that contribute to substance abuse.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Follow at least one alcoholic patient and one cocaine-abusing patient from detoxification through rehabilitation.
2. Evaluate 1-2 psychiatric consultations per week on the detox and rehab wards.
3. Attend team meetings on rehab wards 5 times per week.
4. Attend screenings to determine appropriate placement of detoxified patients 2 times per week.
5. Participate in at least 2 rehab groups per week.
6. Attend at least 1 AA meeting.
7. Attend conferences as scheduled.

On the first day of class, students should report to the NLR VA (Ft. Roots) Bldg 170 3L125

HOURS PER WEEK:

- Conference: 6
- Ward: 15
- Lab: 5
- Library: 5
- O.R.: 2
- Clinic: 12
- Reading: 12
- Other: 12
- Total: 40
OBJECTIVES AND/OR GOALS:
This course aims to teach students how to interview, evaluate and treat patients with chronic mental illnesses such as schizophrenia and bipolar disorder. The biopsychosocial model will be emphasized and students will be on developing interviewing skills and improving progress note writing.

SPECIFIC DUTIES OF SENIOR STUDENTS:

HOURS PER WEEK:
Conference: 
Ward: 
Lab: 
Library: 
O.R.: 
Clinic: 
Lecture: 
Reading: 
Other: 
Total: 

COURSE: Treatment of Chronic Mental Illness
DURATION: 4 weeks
DIRECTOR: Lawrence Labbate, M.D.
PHONE: (501) 257-3131
MAIL SLOT: 554
LOCATION: Little Rock or North LR VA Hospital
MAX STUDENTS: 1
MIN STUDENTS:
AVAILABLE: All Blocks
COURSE#: UPSAR
OBJECTIVES AND/OR GOALS:

Students will refine their skills in:

1. Performing an H & P on pulmonary problems and writing a clear, concise consult note.
2. Reading chest x-rays - and CAT scans
3. When and how to use pulmonary function testing in patient work-ups.
4. Appropriate use of invasive pulmonary procedures.
5. Basic drug therapy of TB, asthma, COPD, pneumonia, etc.
6. Relating basic pulmonary physiology to abnormalities seen in specific diseases.


SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Inpatient Pulmonary Consult Service. Average of 1-2 consult/day, evaluate patient and present at daily rounds.
2. Read about pathophysiology, diagnosis, and treatment of your patient's problems.
3. Attend Pulmonary Problems conference and cancer review conference. Occasionally make brief presentation if your patient is being discussed.
4. Attend twice-weekly talks on common lung disease problems.
5. Attend chest conferences (Monday at 12:15 p.m.)

Students may elect to concentrate in one or more areas: Invasive Pulmonary Procedures: Attend bronchoscopies, lung needle biopsies, thoracentesis, etc. with hands-on participation whenever possible.

Pulmonary Functions Lab: Students may have their spirometry, lung volumes, exercise testing, O2, CO2 responses done on request. Pre-read routine spirometries and review your interpretations with staff or fellow.

THIS ELECTIVE CANNOT BE DROPPED WITHOUT GIVING FOUR WEEKS NOTICE

On the first day of class, report at 8:00 a.m. to the VA room 5C146 (the Pulmonary Conference room)

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
The goal of this elective rotation is to provide the student the opportunity to investigate pulmonary diseases in children in more depth than possible during the required pediatric pulmonary rotation. Specific Goals and Objectives for this elective will be negotiated between the student and the course director, based on the student's motivation for taking the elective. The "Objectives and/or Goals" listed below serve as examples for the student as he/she drafts his/her proposed curriculum.

1. To develop basic knowledge in airway and pulmonary physiology and pathophysiology as they relate to pediatric pulmonary disease
2. To develop skills in the evaluation of infants and children with pulmonary disease.
3. To develop skills in the clinical utility of diagnostic studies to assess pulmonary disease in infants and children such as pulmonary function testing, imaging studies, blood gas analysis, airway endoscopy, etc.
4. To develop skills in the management of acute and chronic pediatric lung diseases such as asthma, bronchopulmonary dysplasia, cystic fibrosis, airway disorders, respiratory control disorders, etc.
5. To develop basic knowledge concerning general principles of respiratory therapy including clinical utility of chest physical therapy, aerosol therapy, etc.
6. To introduce concepts of pulmonary rehabilitation and care of the technologically dependent child.
7. To introduce the concept of a multi-disciplinary team approach to evaluation and management of infants and children with chronic lung disorders.
8. To introduce concepts of preventive pulmonary health as they relate to pediatric lung disease.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student must meet with the course director at least four weeks before the elective to discuss his/her curriculum and negotiate course goals, objectives, and duties. Duties listed below describe opportunities available which can be included in the student proposal. (Course hours are approximate)

Inpatient experience: 0-2 wks of inpatient care and consultation
Outpatient experience: 2-4 wks of outpatient experience in the following:
- Pulmonary Clinic: per the clinic schedule
- Asthma Clinic: per the clinic schedule
- Pulmonary function test interpretation: Mon., Wed., and Fri
Individual education: Course director: Mon
- Tutorial sessions: Wed. and Fri.
Section and Department conferences:
- Tues. 8-9 a.m.: Grand Rounds
- Fri. 12 noon: Pulmonary Conference
Reading Assignments:
- Pulmonary Medicine Section Syllabus
- Pediatric Pulmonary Textbooks available in ACH library
- Selected articles

(*) Drs: Schellhase, Morris, Carroll, Berlinski, Jambhekr, and Warren: the attending schedule can be obtained from the pulmonary office - 364-1018. Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

- Conference: 5
- Ward: 10
- Lab: 3
- Library: 8
- O.R.:
- Clinic: 12
- Lecture: 2
- Reading: Other: Total: 40
OBJECTIVES AND/OR GOALS:

1. Technical skills: proficiency in acquisition of clinical and laboratory information from patients with general pulmonary disease; interpretation of blood gas data in reference to patients; interpretation of gram stains and other microbiological studies. Management of respiratory therapy and appropriate use of drugs.

2. Factual knowledge to be gained: pathophysiology of altered pulmonary function in disease; pathophysiology of chronic respiratory failure, use of antimicrobial drugs, reading chest x-rays; interpretation of pulmonary function tests. Bi-weekly lectures on common chest problems.

SPECIFIC DUTIES OF SENIOR STUDENTS:

Consultation for patients referred from Medical, Surgical and Ob-Gyn services at UAMS. Consultation of patients in all intensive care units. Daily rounds for presentation and followup of consult patients. Work under direct supervision of subspecialty resident and fellow.

This elective cannot be dropped without giving four weeks notice.

On the first day of class, report to room 3S14 in the Shorey Building at 9:30 a.m. (subject to change)
OBJECTIVES AND/OR GOALS:

1. To familiarize the medical students with:
   a. Basic principles of medical physics, radiation biology and radiation oncology.
   b. The interdisciplinary management of cancer patients.
   c. The role of radiation oncology in the management of cancer patients.

2. Factual knowledge to be gained:
   a. Fundamentals of Radiation Oncology
   b. Potential applications and limitations of radiation oncology
   c. Fundamentals of medical physics
   d. Natural history of cancer, pathogenesis and Pathophysiology

3. Participation of medical students in daily clinical management of cancer patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily activities: Active participation in the management of new cases and/or patients undergoing treatment with radiotherapy.
2. Reading assignments: Assigned text and journal articles.
3. Assigned projects: Review of literature in specific topics to be discussed with staff is recommended
4. Conferences Scheduled:
   a. Breast Cancer Conference (Wednesday, 7:00 a.m.)
   *b. New patient conference (Monday and Wednesday, 8:00-9:00 a.m.)
   c. VA Tumor Board (Monthly)
   d. Head and Neck Cancer Tumor Board (Monday, 5:00 p.m.)
   e. GI Tumor Conference (Wednesday, 5:00 - 6:00 p.m.)
   f. Pediatric Tumor Board (Wednesday, 4:00 p.m.)
   g. Sarcoma Conference (3rd Friday, 8:15-900a.m.
   h. UAMS Lung Cancer Conference (Thursday, 5:15 p.m.)
   i. Gyn Onc Tumor Board (Wednesday, 4:00 p.m.)
   *j. Cancer Center Institute Grand Rounds (Wednesday, 12 noon)
   k. Gk Conference (Thursdays 7:30 a.m.)
5. Review of Clinical Oncology

* Required conferences; others are optional - (2-3 per week)

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OBJECTIVES AND/OR GOALS:
An overview of diagnostic imaging procedures, including Nuclear Medicine, Ultrasound, Magnetic Resonance Imaging, and Computed Tomography will be presented, primarily as case material to the students. The student will integrate the diagnostic information gained with the clinical condition, thereby gaining:

a. Knowledge of the individual tests available.
b. Interpretive aspects of the tests performed.
c. Technical familiarity with instrumentation available.
d. The student will be required to make two power point case presentations. They will choose the interesting cases during their rotation.

An opportunity to explore newer developments in the literature of diagnostic imaging, in conjunction with the clinical material is available.

Dr. Shah’s pager is 688-6087

SPECIFIC DUTIES OF SENIOR STUDENTS:
Daily Activities:

a. Morning: Attend radiology conference from 7:00 am until 8:00 am given by different sections each day. This conference includes didactic lectures and cases. After the conference, spend time with residents and staff of the section.
b. Afternoon: Attend radiology conference from 1:00 pm until 2:00 pm given by staff (didactic lectures and cases). Review cases with residents and staff. Review audio-visual materials and teaching file cases.
c. One week each: CT/US-UAMS; Nuclear Medicine-UAMS, Neuroradiology CT/MRI – UAMS, and Body and Musculoskeletal MRI-UAMS. They can spend one week at ACH or repeat other areas of their interest as an option.

Report on the first day of the rotation at 8:00 am to the University Hospital Radiology Reading Room.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

Overall:
1. Fundamentals of diagnostic radiology
2. Exposure to all imaging modalities

Specific:
1. Radiographic anatomy
2. Plain Film Interpretation: basics
3. Applications and limitations of various imaging modalities
4. Indications for imaging in specific diagnostic workups
5. Correlation of various imaging modalities
6. Clinical observation/participation in the procedures and interpretation of examinations: plain film, CT, MRI, ultrasound, nuclear medicine and interventional radiology
7. Basic concepts of radiation biology and protection.

SPECIFIC DUTIES OF SENIOR STUDENTS:

On first day of rotation, report to Barton Bldg. - Room B1R-31 at 8:30 am. You will receive a schedule of lectures, clinical assignments, and responsibilities

1. Time allotted to viewing Squire slide series: plain film radiograph
2. Rotation through various interpretation and procedure areas of radiology, with daily assignments at UAMS, VA, or ACH.
3. Senior medical student lectures by radiology staff and residents: 2-3 hrs/day.
4. Attendance at radiology resident lectures and conferences is encouraged (case conferences at 7:00-8:00 am, and didactic lectures 1:00 - 2:00 pm
5. Review of teaching files
6. Students will give a 5-10 minute PowerPoint presentation to senior group and course director, that will be edited into a teaching file
7. A pre-and post-test
8. Reading Assignments:
   a. Squire's Fundamentals of Radiology 2004
   b. Novelline - Living Anatomy
      (texts are loaned to students by the radiology dept. During the rotation)
9. Students are encouraged to be in the radiology department 8:00 am - 5:00 pm.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
1. To acquaint the medical student in the basic principles of PET scanning including: Isotope production; Fundamental physics of PET; Image quality issues and artifacts; Use of complimentary imaging, such as CT, MRI, etc.; Interpretation of results.

2. To provide the student with a basic knowledge of the role of PET scanning in health care delivery and in research.

3. To provide the student with a detailed knowledge of when to apply PET scanning in patient care.

4. To provide the student with basic knowledge of areas of promising research in the field of PET scanning that will likely have impact on clinical medicine within the next five years.

The student will have an excellent overall understanding of the PET imaging subspecialty of nuclear medicine by the end of the rotation. The elective should be strongly considered by students interested in pursuing a career in research, whether in an imaging specialty or a clinical field, due to the crucial role of molecular imaging in 21st Century medicine.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. PowerPoint lectures in physics, teaching cases, and journal articles provided by the faculty.

2. Daily image interpretation sessions of current patients.

3. Opportunity to observe the operation of a medical cyclotron facility and the associated radiopharmacy.

4. Opportunity to participate in PET research projects of suitable length and complexity.

5. Opportunity to participate in the operation of modern clinical PET, PET/CT and microPET scanners.

HOURS PER WEEK:

Conference: 0   Ward: 0   Lab: 0   Library: 0   O.R.: 0
Clinic: 0   Lecture: 0   Reading: 0   Other: 0   Total: 0
COURSE: Pediatric Radiology  
DURATION: 4 weeks  
DIRECTOR: Dr. Mary B. Moore  
PHONE: (501) 364-1175  
MAIL SLOT: 105  
LOCATION: Arkansas Children's Hospital  
MAX STUDENTS: 1  
MIN STUDENTS:  
AVAILABLE: All Blocks  
COURSE#: URADI

OBJECTIVES AND/OR GOALS:
1. Radiographic evaluation of common pediatric chest and abdominal problems, including congenital heart disease.
2. Radiographic evaluation of newborn respiratory and abdominal disease.
3. Normal variations in pediatric skull and long bones.
4. Indications for radiographic procedures.
5. Overview of pediatric nuclear medicine, computer tomography, ultrasound, MRI, and Interventional.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Participation in daily film interpretation and fluoroscopy at Arkansas Children’s Hospital.
2. Attendance at daily x-ray rounds with each clinical pediatric services.
   a. NICU rounds in Radiology Library 9a.m. daily
   b. PICU rounds in PICU 8:30a.m. Friday
3. Conference (Optional):
   a. Pediatric grand rounds-Tuesday 8a.m. Sturgis Building
   b. Pediatric surgery conference-Fourth Thursday of every month 4:00p.m., Sturgis 1st floor conference room
   c. Neurology - Neuroradiology conference-Thursday 10:45, 3rd floor classroom
   d. Tumor Board- 1st and 3rd Wednesday of every month, 4p.m., Pathology conference room
   e. Fellow interesting Case Conference - Friday noon, reading room
   f. M&M-Friday noon, once per month, reading room
   g. Brain Tumor conference-Tuesday 12:15, Radiology Library
4. Optional participation in interventional cases (discuss with IR attending)

TO TAKE THIS COURSE YOU MUST HAVE FIRST TAKEN THE DIAGNOSTIC RADIOLOGY ELECTIVE, OR MADE SPECIAL ARRANGEMENTS WITH THE COURSE DIRECTOR.

HOURS PER WEEK:
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COURSE: Radiation Biology Research  DURATION: 4 weeks
DIRECTOR: Dr. Max Baker and (*)  MAX STUDENTS: 2
PHONE: (501) 686-6244  MIN STUDENTS: 
MAIL SLOT: 581  AVAILABLE: All Blocks
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: URADK

OBJECTIVES AND/OR GOALS:
1. To familiarize the student with the active areas of research in radiation biology including low dose effects, neutrons, hyperthermia, etc.
2. To introduce the student to some of the techniques of radiobiology research including tissue culture and biochemical methods.
3. To allow the student to design and conduct experiments in specific areas of radiation biology.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. The student will be expected to design and conduct experiments in a chosen area of radiation research.
2. The student will be expected to participate in laboratory research discussions of experimental data and interpretations.
3. The student will write up his/her experiments in acceptable scientific form at the conclusion of the elective.
4. Grades will be passed upon participation in the laboratory (50%) and on the presentation of the experimental data (50%).

*Drs.: Baker, Moss, Nagle, Borrelli

HOURS PER WEEK:
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COURSE: Vascular and Intervention Radiology  
DURATION: 4 weeks

DIRECTOR: Bill Culp, M.D.  
PHONE: (501) 686-8374

MAIL SLOT: 556
LOCATION: UAMS and Associated Hospitals/Clinics

MAX STUDENTS: 1  
MIN STUDENTS: 1

AVAILABLE: All Blocks

COURSE#: URADN

OBJECTIVES AND/OR GOALS:
1. To provide the interested student an introduction to the subspecialty of interventional radiology.
2. To provide the student, choosing to specialize in radiology, an additional opportunity to gain clinical experience via the varied patient base encountered in vascular and interventional radiology.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Observe and participate in pre and post procedure patient care, including morning report and daily rounds.
2. Attend read-out sessions for interventional radiology cases.
3. Observe and participate in interventional radiology cases at UAMS, VAMC, and ACH
4. Submit one teaching file case per week for the radiology teaching collection.
5. Attend radiology resident teaching sessions in a.m. and p.m.

HOURS PER WEEK:
| Conference: 10 | Ward: 0 | Lab: 25 | Library: 1 | O.R.: |
| Clinic: | Lecture: | Reading: 4 | Other: | Total: 40 |

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OBJECTIVES AND/OR GOALS:
The purpose of this elective is to provide the student with an understanding of the spectrum of renal diseases as they affect children of different ages and to acquire a practical knowledge of fluid and electrolyte disturbances in a variety of clinical settings. The student will learn systematic approaches to the diagnosis of renal disorders and will be able to prescribe appropriate therapies for correction of fluid and salt imbalances.

Didactic presentation of the following topics occurs monthly:
1. Urinary tract infection
2. Acute renal failure
3. Evaluation of renal function
4. Chronic renal failure
5. Glomerulonephritis
6. Electrolyte, water
7. Dialysis and Transplantation
8. Hypertension
9. Electrolyte disorders, RTA
10. Hematuria and proteinuria

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Consultation service - Student will attend daily ward rounds with the inpatient attending and participate in the care of Renal Service patients, as well as those seen in consultation. Patient care assignments are made by the attending. The student will perform a history and physical examination independently and present findings to the attending during rounds. Therapeutic plans will be discussed in detail. The student will be responsible for writing daily notes on the assigned patient's chart and for knowing the details of the laboratory and radiographic studies performed on the patient.

2. Clinics - Students will attend 1/2 day General Nephrology Clinics on Monday, Tuesday, Wednesday, and Thursday. On Monday, the emphasis in the clinic is hypertension.

3. Conferences - Student will attend weekly Nephrology Conference on Tuesday, Core Resident Curriculum Lectures on Wednesday and Friday, Pediatric Grand Rounds and Core Nephrology Curriculum lectures (2/week).

4. Readings Assignments will be suggested. Reprints will be provided.

Time off (for interviews, etc.) must be arranged with the rotation supervisor in advance of the rotation and shall not exceed more than 3 days.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:
1. Diagnostic evaluation and management of patients with renal disease; including nephrotic syndrome, acute glomerulonephritis and acute renal failure.
2. Diagnosis and management of fluid and electrolyte disorders.
3. Diagnosis and management of hypertension; including evaluation of secondary causes of hypertension and pharmacotherapy.
4. Management of patients with chronic renal failure; including the indications and complications of hemodialysis and peritoneal dialysis.

SPECIFIC DUTIES OF SENIOR STUDENTS:
Senior medical students will attend and participate in the following activities:

(1) Renal case conference: A teaching session to discuss patient care (1 hrs/week)
(2) Nephrology Teaching Conference (2 hrs/week)
(3) Renal Clinic UAMS (3 hrs/week)
(4) UAMS or VA Renal Consult Rounds (10 hrs/week)
(5) Suggested reading assignments in specified texts and journals
(6) Direct patient care: The medical student will have the opportunity to perform the initial patient assessments for renal consultation. This, along with reading, make up the balance of time.

*Drs.: Andreoli, Shah, Portilla, Kumar, Abul-Ezz, Swaminathan, Broslehan, and Whittier

On the first day of class, meet at 8:15 in VA room 6B-146

This elective is available during published UAMS block dates only.

HOURS PER WEEK:

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COURSE: Renal Medicine  DURATION: 4 weeks
DIRECTOR: Dr. Shah and Staff  MAX STUDENTS: 4
PHONE: (501) 257-5832  MIN STUDENTS: 
MAIL SLOT: 501  AVAILABLE: All Blocks
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: UREN6B
COURSE: Rheumatology  
DURATION: 4 weeks  
DIRECTOR: Dr. Jasin  
PHONE: (501) 686-6770  
MAIL SLOT: 509  
LOCATION: Little Rock or North LR VA Hospital  
MAX STUDENTS: 1  
AVAILBLE: 3,4,5,6,7,8,9,10  
COURSE#: URHUM  

OBJECTIVES AND/OR GOALS:  
1. Factual goals of the elective:  
   a. Understanding of the pathophysiology of the common types of arthritis: rheumatoid arthritis, osteoarthritis, various types of reactive arthritis, and crystal-induced arthritis.  
   b. Knowledge of history taking techniques for examination of joints.  
   c. Treatment of arthritis: drug, physical therapy, education.  
   d. Understanding of clinical immunology and collagen vascular disease.  
   e. Treatment of systemic complications of SLE, scleroderma, and other collagen vascular diseases.  
   f. Insight into long-term care of patients with chronic pain and disability.  

2. Technical skills to be learned:  
   a. Learn specific indications for joint aspiration; perform under supervision when indicated.  

SPECIFIC DUTIES OF SENIOR STUDENTS:  
The student will see patients initially in inpatient and outpatient consultation; will attend Rheumatology and Lupus Clinics at the University of Arkansas for Medical Sciences; will attend Rheumatology Clinic at the VA Hospital; and will attend conferences following these clinics.  

On the first day, report to the Barton Building, Room 1-R31 at 8:30 a.m.  

HOURS PER WEEK:  
Conference: 3  
Ward: 4  
Lab:  
Library:  
Clinic: 19  
Lecture:  
Reading: 14  
Other:  
Total: 40  
O.R.:
OBJECTIVES AND/OR GOALS:
A - History and physical examination of cardio-thoracic surgical patients.
B - Pre-operative evaluation of patients with cardio-thoracic disease.
C - Management of cardio-thoracic surgical patients on a ventilator and in the ICU.
D - Technique of bronchoscopy and esophagoscopy.
E - Observation of major cardio-thoracic surgical procedures.
F - Technique of insertion and management of chest drains.
G - Integration of anatomy and physiology of the chest into surgical management of patients.
H - Accurate assessment of lung and esophageal pathology.
I - Closure of incisions, surgical technique, and wound care
J - Interpretation of arteriograms and cineangiograms

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Daily rounds with residents and attending in CVICU, 6C, and/or CAVHS.
2. Scrub and assist in the operating room.
3. Read assigned topics in Thoracic surgical materials.
4. Attend appropriate conferences, including Pulmonary Conference, M&M, Surgical Grand Rounds, and Tumor Board.
5. Attend Cardiothoracic surgery clinic
6. Read suggested literature

On this first day of class, students should report to room 2-S08 in the Shorey Building at 8:00 a.m.

HOURS PER WEEK:
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</table>
COURSE: Emergency Surgical Trauma Service  DURATION: 4 weeks
DIRECTOR: Drs. Cone and (*)  MAX STUDENTS: 2
PHONE: (501) 686-6184  MIN STUDENTS: 
MAIL SLOT: 520  AVAILABLE: 1,4,5,6,7,8,9
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: USUGN

OBJECTIVES AND/OR GOALS:
1. The initial management and resuscitation of patients in shock.
2. The techniques of evaluating the trauma patient.
3. To recognize the common, non-traumatic, surgical emergencies such as the acute abdomen.
4. The principles of the post-operative care of surgical patients.
5. The principles of burn care including resuscitation, wound care, surgical wound coverage, and late rehabilitation.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. To care for assigned patients admitted to the emergency surgical service under the supervision of residents and surgical staff.
2. Daily rounds on all patients on the service.
3. Scrub on emergency surgical cases.
4. Participate with the resident in the initial evaluation of urgent surgical consults from the emergency room and the non-surgical wards.
5. Participate in the various conferences of the surgical department with particular emphasis on the Trauma conference.

(*) Drs. Robertson and Jensen

Contact 686-6648 to obtain reporting instructions for the first day of the rotation.

****This elective may be available in Blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:
Clinic: 5  Lecture:  Reading: 5  Other:  Total: 45
OBJECTIVES AND/OR GOALS:

1. Technical skills to be learned
   a. History and physical for patients with gastrointestinal disease.
   b. Preoperative evaluation of patients with colorectal or gastrointestinal disease.
   c. Technique of flexible sigmoidoscopy, proctoscopy, anoscopy, esophagastroduodenoscopy, and colonoscopy.
   d. Observing major abdominal procedures, involving gastrointestinal surgery and endoscopic procedures.
   e. Postoperative care of the same patients.

2. General objectives
   a. Integration of basic knowledge regarding the anatomy and physiology of the gastrointestinal tract into the management of patients with colorectal and gastrointestinal disease.
   b. Development of the ability to adequately evaluate the patients with colorectal or gastrointestinal disease.
   c. Some exposure to specialized surgical and endoscopic procedures.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily rounds with staff and/or residents on the endoscopy and colorectal service.
2. Attending the appropriate conferences, including Surgical Grand rounds at both VA Hospital and the University.
3. Scrubbing in, and assisting on, specific surgery as requested or elected.
4. Read appropriately the assigned material.
5. Assist the endoscopic and colorectal resident to function in clinics, and on assigned surgical and endoscopic cases.

Prior to the beginning of the rotation, students should contact the CAVHS Surgical Endoscopy Resident for reporting instructions.

***** This elective may be available in Blocks 2 and 3 depending on enrollment in the Honors Program in Surgery

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

1. Technical and Clinical Skills:
   a. Perform history and physical of Surgical Oncology patients
   b. Case presentations to Surgery team and selected conferences
   c. Concept of tumor staging, surgical treatment of cancer patients, post-op adjuvant therapy and follow-up

2. General Objectives:
   a. Integration of patient work-up. Surgical decisions and treatment of a general surgical and oncological patient problem
   b. Improve skills in the pre- and postoperative patient care

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily rounds: On Surgical Oncology patients
2. Day to day patient management under resident and faculty supervision.
3. Attend the following conferences: Surgery Grand Rounds, Surgery M&M Conference, ACRC Grand Rounds, Melanoma Treatment Conference, and GI Tumor Conference.
4. Scrub in O.R. on selected patients.
5. Attend weekly student/faculty tutorial sessions.
6. Opportunity for in-depth research on selected oncological problems with possibility of publication.

Prior to the first day of class, the student should contact the UAMS Surgery "A" Chief Resident for reporting instructions.

One student will be accepted per block each at UAMS one at the VA.

*****This elective may be available in Blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:

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OBJECTIVES AND/OR GOALS:

The student will develop:

General - (a) familiarity with the specialty of pediatric cardiothoracic surgery - obtain a general understanding of the fundamental physiologic principles which guide surgical decision making (b) familiarity with the context in which the specialty is practiced - a multidisciplinary, team approach to care.

Specific - (a) familiarity with specific concepts of left-to-right and right-to-left shunts in the cardiovascular system (b) familiarity with concepts of pressure-loading and volume-loading of the cardiovascular system (c) familiarity with the concept of early repair of congenital heart disease as opposed to initial palliation and delayed repair (d) familiarity with the history and development of pediatric cardiovascular surgery.

Technical - (a) an understanding of basic surgical techniques - asepsis, delicate tissue handling, and wound healing, to be demonstrated by the student primarily during wound closure (b) an understanding of the proper use of thoracostomy drains and invasive homodynamic monitoring.

SPECIFIC DUTIES OF SENIOR STUDENTS:

The student will demonstrate synthesis of the concepts listed above by evaluating a patient preoperatively, participating in the surgical management and post-operative care of the patient, and delivering a 45-minute lecture which comprehensively describes the current state of knowledge about the condition for which the patient was treated. The lecture will include a succinct case presentation followed by a thorough summary of the relevant literature.

HOURS PER WEEK:

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COURSE: Pediatric Cardiothoracic Surgery
DIRECTOR: R.D.B. Jaquiss, M.D.
PHONE: (501) 364-5858
MAIL SLOT: 677
LOCATION: Arkansas Children's Hospital
DURATION: 4 weeks
MAX STUDENTS: 1
MIN STUDENTS: 
AVAILABLE: All Blocks
COURSE#: USUGW
OBJECTIVES AND/OR GOALS:

1. Technical skills to be learned:
   (a) Basic surgical procedures including suture closure of simple lacerations, incision and drainage of superficial abscesses, difficult vascular access, chest tube placement, etc.
   (b) Basic wound care
   (c) Basic ostomy care
   (d) Manual reduction of an incarcerated inguinal hernia

2. General objectives:
   (a) Familiarity with the surgical emergencies of infancy and their presentation.
   (b) Diagnosis and management of the more common surgically correctable, congenital anomalies: diaphragmatic hernia, esophageal atresia, duodenal atresia, jejunal/ileal atresia, malrotation, meconium ileus, Hirschsprung's disease, imperforate anus, and anterior abdominal wall defects.
   (c) Diagnosis and management of the common surgical conditions of childhood; acute appendicitis, hypertrophic pyloric stenosis, intussusception, umbilical hernia, and inguinal hernia
   (d) Diagnosis and management of the acute surgical abdomen
   (e) Diagnosis and management of the major solid tumors of childhood
   (f) Evaluation and management of the child with multiple injuries
   (g) Basic pre- and postoperative care including fluid and electrolyte management, surgical antibiotics, nutritional care and respiratory care
   (h) Basic principles of surgical followup.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily ward rounds with students, residents and staff
2. Participation in preoperative and postoperative care
3. Participation in appropriate operative procedures
4. Participation in weekly general clinic
5. Participation and attendance at appropriate pediatric and surgical conferences
6. Appropriate reading.

*****This elective may be available in blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:

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Page 174
COURSE: Plastic and Reconstructive Surgery  DURATION: 4 weeks
DIRECTOR: James Yuen, M.D.  MAX STUDENTS: 2
PHONE: (501) 686-5736  MIN STUDENTS: 1
MAIL SLOT: 520  AVAILABLE: 1,4,5,6,7,8,9
LOCATION: UAMS and Associated Hospitals/Clinics  COURSE#: USUPL

OBJECTIVES AND/OR GOALS:
Technical skills to be learned: Wound management, basic and advanced suture techniques with various types of wound repair, application of skin grafts, scar revision, tissue expansion, myocutaneous flaps, and microsurgery. Assist in surgery.

Other principles to be learned: Principles of wound healing, management of straightforward and difficult wounds. Exposure to all aspects of aesthetic* and reconstructive plastic surgery. Congenital anomalies/craniofacial surgery*.

(*) Dr. Shewmake (private Practice)

SPECIFIC DUTIES OF SENIOR STUDENTS:
The students will participate in all aspects of the plastic surgical evaluation and treatment. He or she will learn the nuances of dealing with aesthetic and reconstructive plastic surgical patient from preoperative evaluation to intraoperative techniques to postoperative management. The experience will be at all three teaching hospitals associated with the University of Arkansas for Medical Sciences campus as well as some exposure to the private group of clinical faculty. Students will be asked to assist in obtaining the preoperative history and physical on the reconstructive patients along with the general surgery resident. Students will be expected to participate in the operating room as either first or second assistant and will be allowed to assist in closing wounds. Post-operative ward work will be expected. Appropriate reference material will be provided.

Patient load: Student can expect to participate in from 10 to 15 procedures per week and in the evaluation of approximately 15 to 40 patients per week as seen in the clinic.

Basic Textbooks: Basic required reading will be from one of the recognized plastic surgery textbooks and from a provided syllabus.

**** This elective may be available in Blocks 2 and 3, depending on enrollment in the Honors Program in Surgery

HOURS PER WEEK:
Conference: 2  Ward: 8  Lab:  O.R.: 18
Clinic: 8  Lecture:  Reading: 4  Other:  Total: 40
Library:
OBJECTIVES AND/OR GOALS:

1. Technical Skills to be learned:
   a. Surgical history and physical
   b. Preoperative evaluation of patients
   c. Participating in major surgical procedures
   d. Performing some minor surgical procedures under direction
   e. Postoperative care
   f. Follow-up review and care in physician's office, individual option

2. General objectives:
   a. Integration of basic knowledge into care of surgical patients
   b. Role of general surgeon in a general community hospital
   c. Activities of a surgeon in his office practice, individual option

Address: Pulaski Surgery                                                    Surgical Clinic of Central Arkansas
3401 Spring Hill Drive                      9500 Kanis Road
Suite 400                                              Suite 501
North Little Rock, AR  72117                     Little Rock, AR  72205

Students may be assigned as follows: Pulaski Surgery = 1; Surgical Clinic of Central Arkansas = 2.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Each student will be assigned to one or more surgeons
   a. Perform and dictate for the chart a pertinent history and physical
   b. Outline a set of admission orders, call the attending physician, and place orders in the chart when confirmed by the physician.
   c. Will consult texts and current literature relevant to each surgical procedure planned and be prepared to discuss this with the surgeon.
   d. Will spend mornings in operating room observing and/or assisting in surgical procedures as arranged the previous evening.
   e. Will ascertain rounding time and make daily rounds with staff.

2. Students will attend conferences as scheduled.

3. Assisting in the Emergency Room can be arranged individually.

4. Will be expected to scrub on 10-20 cases per week with his preceptor or other surgeons.

This elective will not count toward the 12 hour on-campus rule.

HOURS PER WEEK:

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Clinic: 4 Lecture: Reading: Other: Total: 47
OBJECTIVES AND/OR GOALS:

1. Technical skills to be learned:
   a. History and physical examination of patients with breast disease, endocrine tumors, and melanoma.
   b. Preoperative evaluation of patients.
   c. Work-up and presentation of patients in clinic.
   d. Interpretation of abnormalities on mammogram, breast ultrasound, and MRI.
   e. Basic surgical principles while observing and assisting in surgical procedures.
   f. Techniques of insertion of central venous catheters.

2. General Objectives:
   a. Integration of basic knowledge of anatomy, pathology and physiology of the breast, endocrine organs, and skin into the management of patients with disease.
   b. Develop understanding of the multidisciplinary aspects involved in the care of oncology patients.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily rounds with residents and/or staff on service.
2. Work-up of patients in Women's Oncology Clinic and Melanoma Clinic and presentation to staff.
3. Observe/assist on surgical cases as scheduled.
4. Read appropriate assigned material.
6. For interested students, develop a case presentation/clinical research project for presentation and/or publication.

* Drs. Westbrook, Henry-Tillman, Mancino

Prior to the rotation, students should contact the UAMS Breast Oncology Resident for reporting instructions.

HOURS PER WEEK:

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**COURSE:** Surgical Oncology/Breast Service  **DURATION:** 4 weeks

**DIRECTOR:** Drs. Klimberg and (*)

**PHONE:** (501) 686-6504

**MAIL SLOT:** 725

**LOCATION:** UAMS and Associated Hospitals/Clinics

**COURSE#:** USRGB

**MAX STUDENTS:** 1  **MIN STUDENTS:** 0  **AVAILABLE:** All Blocks
COURSE: Total Care Of The Burned Patient  DURATION: 4 weeks
DIRECTOR: Dr. Pam Howard  MAX STUDENTS: 1
PHONE: (501) 320-1100  MIN STUDENTS: 
MAIL SLOT: 520  AVAILABLE: 1,4,5,6,7,8,9
LOCATION: Arkansas Children's Hospital  COURSE#: USUGU

OBJECTIVES AND/OR GOALS:
1. Proper technique of burn dressing
2. Management of burn wound, including debridement with and without anesthesia, cauterky excision of full thickness burns, heterografting principles using frozen pigskin and cadaver skin.
3. Proper resuscitation methods for severe burns and monitoring techniques.
4. Develop understanding of the pathophysiological changes which accompany burning.
5. Review of the energy requirements of the burned child.
6. Homografting, use of dermatones, meshrer, and application of skin grafts.
7. Introduction to Intensive Care as it relates to the thermally injured patient.

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student will work one on one with resident assigned to the Burn Center.

Daily rounds including attending the burn dressing changes.

*****This elective may be available in blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:

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</table>
COURSE: Vascular Surgery
DURATION: 4 weeks
DIRECTOR: Drs. Mohammed Moursi and John Eidt
PHONE: (501) 686-6176
MAIL SLOT: 520-2
LOCATION: UAMS and Associated Hospitals/Clinics
MAX STUDENTS: 2
MIN STUDENTS: 0
AVAILABLE: 1, 4, 5, 6, 7, 8, 9
COURSE#: USRGV

OBJECTIVES AND/OR GOALS:

Goal: This rotation is designed to expose the fourth year medical student to the field of vascular surgery in a more detailed fashion and to add to the knowledge obtained during the third year. The student will be able to understand the basic and clinical science of pre-op, operative, and post-op vascular disease processes including aneurysm disease, carotid disease, and peripheral vascular disease.

Objectives:
1. Proper history and physical examination of vascular surgical patients
2. Understanding of vascular lab studies
3. Pre-op evaluation of patients with vascular disease
4. Management of vascular patients in post-op SICU setting
5. Integration of basic science into surgical management of patients with vascular disease
6. Basic surgical skills of wound care
7. Basic vascular radiology skills and arteriography interpretation
8. Principles of hemodynamics including hemodynamic profile and how to select appropriate therapy based upon this data
9. Pulmonary physiology applied to respiratory failure and care of patients on mechanical ventilation post-operatively.

SPECIFIC DUTIES OF SENIOR STUDENTS:

1. Daily rounds with staff and residents on vascular patients
2. Closely follow post-op vascular patients and report to vascular fellow or staff
3. Attend weekly vascular clinic
4. Scrub and assist on selected vascular cases
5. Read elected literature, and peripheral literature appropriate to vascular surgery and SICU care
6. Attendance at appropriate weekly conferences such as Grand Rounds, M&M, etc.
7. Assist with various procedures in the SICU
8. One-on-one conference with Dr. Moursi or Dr. Eidt 1-2 hours per week

*****This elective may be available in Blocks 2 and 3 depending on enrollment in the Honors Program in Surgery.

HOURS PER WEEK:

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Page 179
COURSE: Medical Toxicology                  DURATION: 4 weeks
DIRECTOR: Henry Simmons, M.D., Ph.D.
PHONE: (501) 686-5540
MAIL SLOT: 584
LOCATION: UAMS and Associated Hospitals/Clinics

MAX STUDENTS: 2               MIN STUDENTS: 
AVAILABLE: Blocks 2 and 8
COURSE#: UPHAC

OBJECTIVES AND/OR GOALS:
1. Achieve familiarity with presentations of common intoxications seen in clinical practice.
2. Become conversant with both toxicological and non-toxicological aspects of the differential diagnoses of common presentations compatible with intoxication.
3. Learn the fundamental management of common intoxications.
4. Review fundamental basic science that underlies diagnosis and management of common intoxications.

SPECIFIC DUTIES OF SENIOR STUDENTS:
1. Extensive readings in the "8th Edition of Goldfrank's Toxicological Emergencies" as a basis for discussions with attending and senior resident staff.
2. Review of management protocols in use at the Arkansas Poison and Drug Information Center.
3. Review of toxicology cases selected by attending as a basis for discussions.
4. Attendance of all discussion sessions with attending and senior residents.
5. Attendance of Emergency Medicine Didactic Conferences.

HOURS PER WEEK:

Clinic: Lecture: 11  Reading: 18  Other: 11  Total: 40
COURSE: Urology Acting Internship
DURATION: 4 weeks
DIRECTOR: Dr. Alex Finkbeiner
PHONE: (501) 686-5241
MAIL SLOT: 540
LOCATION: UAMS and Associated Hospitals/Clinics

MAX STUDENTS: 3
MIN STUDENTS:
AVAILABLE: All Blocks
COURSE#: UURGI

OBJECTIVES AND/OR GOALS:
Allow the student to function as an acting PGY1 on the urology service at UAMS, VAH and/or ACH.

- Acquire basic surgical skills
- Acquire in-patient, out-patient, and consultative clinical skills

This rotation is designed to develop clinical skills regardless of the student’s planned specialty

SPECIFIC DUTIES OF SENIOR STUDENTS:
The student’s duties will include but will not be limited to:

1. Assist on in-patient rounds
2. Assist on in-patient management
3. Assess in-patient consultations
4. Assess emergency room consultations
5. Scrub in surgery
6. Be involved in out-patient clinics
7. Attend educational conferences in urology
8. Prepare and give one presentation to the staff and residents on a topic in urology
9. Be involved in urologic clinical research activities

Evening/weekend call is NOT mandatory, but may be taken if the student desires.

HOURS PER WEEK:

Clinic: 16  Lecture:  Reading:  Other:  Total: 50