

PED 800C - Research (Pediatric Cardiology)**Drs. R.L. Donnerstein, S.J. Goldberg, S. Klewer, D. Lax, R.A. Samson, & B.J. Barber (626 6508)**

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 2

Prerequisites: Medical students only

Goals: Determined by student and faculty advisor. A limited project and use of scientific method will be emphasized.**Format:** Will depend on project which can either be in clinical, animal or molecular research. A clear description of concept methodology and approach should be prepared well in advance of project and be approved by faculty. Execution of project will be under direct faculty supervision.**Evaluation Methods:**

1. Written report.
2. Faculty observation of skills in completing projects.
3. Attitude will be evaluated.

PED 800Pa - Research (Pediatrics)**Dr. F.K. Ghishan & Faculty (626 5170)**6 wks *only*; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment not applicable

Prerequisites: Pediatrics 803 and prior consent*

Goals: Determined by mutual agreement of student and faculty member.**Format:** The student will be afforded an opportunity to synthesize, develop and execute a research project of clinical or basic nature in any of the sections of the Department in which such an interest is demonstrated. At the present time, participating sections include Ambulatory Pediatrics, Cardiology, Hematology, Infectious Diseases, Nutrition, Clinical Pharmacology, Pulmonary, Pediatrics and Adolescents, Gynecology and Child Abuse. However, such an elective needs to be arranged at least four months in advance so that a suitable research project can be planned.**Evaluation Methods:**

1. Written report summarizing research progress.
2. Observation of skills in performing assigned research.

*This elective requires that the student have the approval of the course director prior to signing up for the elective so that an appropriate research experience can be planned.

PED 810Aa - Externship in Inpatient Pediatrics**Dr. Z.M. Shehab & Faculty (626 4657)**

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803 or equivalent

Goals:

1. Gain more experience and expertise in the care of hospitalized children.
2. Increase knowledge of basic pathophysiologic processes as they relate to specific patient problems.
3. Refine skills of data gathering and problem solving.
4. Obtain skill in performing technical procedures.

Format:

1. Evaluation and care of patients admitted to pediatric service. Responsibility will be commensurate with abilities and previous experiences. Night call will be included.
2. Active participation in routine teaching sessions: ward rounds (attending and resident work rounds), clinical and X-ray conferences, grand rounds and subspecialty conferences.
3. Weekly sessions with a member of the full time faculty for discussion of selected patient-oriented literature.

Evaluation Methods:

1. Review of charts-emphasis will be placed on thoroughness of assessments and case discussions.
2. Presentations of workups on rounds.
3. Acceptance of responsibility-following day-to-day course of patients, promptness for rounds, etc.
4. Reading and understanding of patient-oriented literature.

PED 815Aa - Advanced Neonatology (UMC, Tucson)

Dr. J. Wispe (520 626 6627)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803

Goals:

1. Function as primary care provider of care for a selected number of newborns having specific problems (respiratory distress, healthy growing preterm infants, suspect sepsis, neurologically suspect, small for gestational age, infant of diabetic mother). Diagnostic and management skills in the neonate will be developed in the following areas:

- a. History taking
- b. Physical exam
- c. Procedures
- d. Documentation of progress in chart

2. Complete a small clinical presentation on patients or problems encountered in neonatology.

Format: The student on elective will work under the supervision of a pediatric resident (PL-3) and the attending neonatologist in the NICU. The choice of clinical talk will be guided by the course coordinator. Reading assignments appropriate for the student's patients will be given.

Required attendance:

1. Daily ICU rounds
2. Overnight call duties (generally every 4th night)
3. Monthly perinatal mortality and morbidity conferences.

Evaluation Methods:

1. Chart review of assigned patients.
2. Review of presentation to be completed by the last day of rotation. Failure to meet that deadline will result in an incomplete grade.
3. Review of patient and procedure log book kept by student half way through and at completion of rotation.

PED 815B - Pediatric Infectious Diseases

Drs. Z.M. Shehab, S.P. Elliott, C.G. Ray & L.L. Barton (626 6507)

3, 4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Pediatrics 803 or equivalent

Goals: To develop skills and knowledge in immunizations, infectious diseases and host response as exemplified by clinical immunology in pediatric patients through:

1. Appropriate gathering and presentation of clinical data.
2. Development of physical examination skills.
3. Problem solving and decision making around patient and laboratory findings.
4. Correlation of clinical disease and laboratory findings.

Format: Utilizing a patient problem oriented approach, students will evaluate and assist in the management of primary care and referred pediatric patients, both in-patient and out-patient. Case presentations, clinical and laboratory correlation will be stressed. The student will participate in clinical and laboratory rounds (bacteriology and virology) and infectious disease conferences. Use of the current infectious disease/immunology literature is emphasized in directed reading about problems encountered. Diagnosis by inspection is emphasized by use of teaching slides for exanthematous diseases.

Evaluation Methods:

1. Evaluation of case presentations and problem solving.
2. Observation of medical judgment, consultations and participation in conferences.

PED 815D - Cardiac Ultrasound Echo & Doppler

Drs. R.L. Donnerstein, S.J. Goldberg, S. Klewer, D. Lax, R.A. Samson, & B.J. Barber (626 6508)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Medical students only. Knowledge of congenital cardiac disease and anatomy.

Goals: Gain basic knowledge about physics, clinical applications, interpretation and performance of cardiac ultrasound studies.

Format: M-Mode, 2-d and Doppler ultrasound studies will be performed on pediatric cardiology patients under faculty and technician supervision. Didactic sessions will address physics and research applications. All examinations will be interpreted and discussed in concert with faculty.

Evaluation Methods:

1. Formal and informal presentations.
2. Recognition of normal and abnormal patterns.
3. Attitude will be considered.

PED 815Ea - Pediatric Cardiology

Drs. R.L. Donnerstein, S.J. Goldberg, S. Klewer, D. Lax, R.A. Samson, K. Trivedi & B.J. Barber (626 6508)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803

Goals: The purpose of the elective in pediatric cardiology is to improve physical diagnostic skills, teach interpretation of graphic information and to introduce the student to the problems of children with congenital cardiac defects.

Format: The student will attend clinics in Tucson and other cities in Arizona which are devoted to children with heart disease. Particular emphasis will be placed on improving the student's ability to perform a cardiovascular physical examination on an infant or child. The student will observe cardiac catheterizations and can observe cardiac surgery. He/she will make consultations and regular rounds on children with cardiac disease with the pediatric cardiology group.

Evaluation Methods:

1. The students will be evaluated on the basis of acquiring auscultatory and physical diagnosis skills: identification of suprasternal notch thrills, abnormal pulses, S1, normal and abnormal S2, S3 and S4 and types of systolic and diastolic murmurs.
2. Evaluation of formal and informal presentations.
3. Ability to recognize grossly abnormal electrocardiograms, echocardiograms and chest X-rays.
4. Attitude will also be considered.

PED 815Ga - Pediatric Hematology/Oncology

Drs. R. Bagatell, M. Graham, E. Katsanis, M. Andreansky, B. Wittman, & K. Krishnan (626 6527)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Pediatrics 803

Goals: Pediatric Hematology/Oncology will emphasize the following student skills: knowledge of basic facts related to hematology and cancer in childhood, clinical data gathering including eliciting histories and performing physical examinations, problem solving and decision making, and manual skills in technical procedures used in physical examination and patient care.

Format: The course is designed to acquaint the student with the progress and current concepts of hematological and oncological diagnosis and management in childhood. Emphasis will also be placed on coordinated multidisciplinary cancer programs which provide optimum care and has resulted in an increasing number of long-term survivors. Students will participate in the clinical care of children in an ambulatory and hospitalized setting. Students with definite goals in mind for this elective can work out a plan of study with the preceptor at the beginning of the elective.

Evaluation Methods: Students will be evaluated on how well they achieved stated objectives. Evaluations are done by the preceptors' observations of ability to collect data, solve problems and general attitude during the elective. No written exam is given.

PED 815J - Pediatric Pulmonary

Drs. M.A. Brown, C. Daines, W.J. Morgan, & F.D. Martinez (520 626 7780)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Successful completion of Pediatrics 803; **consent of instructor required**

Goals: To provide the student with an introduction to pediatric pulmonary medicine. Major emphasis will be placed on physical examination, interpretation of laboratory tests and management of clinical disease.

Format: The experience will consist of a 4-6 week rotation with the Pediatric Pulmonary Clinical Service.

Students will participate in clinic, ward rounds and consultation under the supervision of the fellow and attending physician. They will also participate in an organized series of didactic talks on common problems in pediatric pulmonary.

Evaluation Methods: Evaluation by supervising faculty member. No formal written or oral exam.

PED 815O - Pediatric Gastroenterology and Nutrition

Drs. H. Hassan & F.K. Ghishan (520 626 4140)

3, 4 or 6 wks; maximum length 6 weeks; offered year round

Directly supervised/Patient care

No maximum enrollment

Prerequisites: Pediatrics 803 or equivalent

Goals:

1. Acquire knowledge into the pathophysiology of gastrointestinal and hepatic diseases in infants and children.
2. Further improve basic skills in obtaining a history and physical examination, as well as data analysis.
3. Problem solving and decision making around patient and laboratory data.

Format: The student will participate in all aspects of the inpatient and outpatient Pediatric GI service. The student will be expected to observe diagnostic GI procedures, including upper and lower endoscopy. He or she will also be exposed to parenteral and enteral nutrition support.

Evaluation Methods: The student will be evaluated by the staff and faculty based on: formal and informal presentations, knowledge and understanding of the pathophysiology of gastrointestinal diseases in infants and children and on the degree and quality of individual study and intellectual curiosity shown during the elective.

PED 815Pa - Pediatric Endocrinology

Drs. K. Griffin, & M. Wheeler (520 626 6077)

2 to 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 3

Prerequisites: Pediatric 803. Medical students must have the consent of the course director before registering.

Goals: The primary goal will be to give the student a chance to see, study and understand the hormonal participation in normal growth and pubertal development and to understand the basic pathophysiology, evaluation, and therapy of common endocrine disorders of childhood and adolescence. Examples of these disorders include diabetes mellitus, thyroid disorders, abnormalities of growth, pubertal disorders, adrenal disease such as congenital adrenal hyperplasia, and pituitary dysfunction.

Format: The student will see patients primarily in the out-patient endocrine clinic, but will also follow endocrine in-patients and will write endocrine consultations when requested by other services (both at AHSC and TMC)

Evaluation Methods:

1. Daily performance-gathering of the data base and physical examination done on each patient, along with the development of the problem list, for each patient seen.
2. Special project after having been on the elective a week or so the student will be expected to pick one patient (or subject) to explore in-depth. During the last week of the elective, the student will summarize this study in a 15-20 minute informal verbal presentation.
3. The student will be evaluated on the degree and quality of individual study and intellectual curiosity.

PED 815Q - Pediatric Nephrology

M. Zawaideh (520 626 6182)

4 wks *only*; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803 or FCM 803

Goals: The elective rotation in Pediatric Nephrology offers the medical student the opportunity to participate in the clinical care of children across a wide spectrum of renal diseases. At the completion of the elective, the student is expected to be competent in the assessment and management of fluid and electrolyte problems, congenital and acquired diseases of the kidney, acute and chronic renal failure, glomerulonephritis, nephrotic syndrome, hypertension dialysis and transplantation.

Format: Inpatient consultations are performed at the University Medical Center and Tucson Medical Center. Outpatient renal evaluations and routine clinic appointments are scheduled weekly at the multispecialty Broadway Clinic of the University Medical Center. The student will also be expected to actively participate in didactic sessions regarding renal physiology, monthly renal pathology conference, and weekly renal grand rounds. Comprehensive evaluation of children with complex renal disease is done by multidisciplinary approach. Students will have an opportunity to interact with radiologist, nuclear medicine staff, transplant surgeon and the dialysis team.

Evaluation Methods: Students will receive an evaluation twice during the elective: a brief assessment session will be held at the midpoint, then a formal written assessment will be provided at the conclusion of the elective. The assessment will be based upon clinical performance and knowledge acquired during the elective.

PED 815S - Clinical Genetics/Dysmorphology**Dr. R.P. Erickson (626 5175)**4 wks *only*; offered year round

Directly supervised/Patient care

Maximum enrollment of 1 (one student/month)

Prerequisites: Completion of required clerkships

Goals:

1. To teach the student the approach to clinical evaluation, diagnosis and counseling of children and families with genetic disorders and/or congenital anomalies.
2. To teach the student the basic mechanisms by which abnormal human development occurs during embryonic and fetal life.
3. To teach the student the relevance of molecular genetics/DNA diagnosis to clinical genetics.

Format:

1. The student will attend all clinical genetics and dysmorphology clinics at AHSC, Tucson and off-campus sites including in-patient consultations. The student will attend all genetics teaching conferences at AHSC, Tucson and off-campus sites.
2. The student will be responsible for reading a syllabus of original articles relating to the embryology of congenital anomalies and the approach to diagnosis of genetic disorders. Discussion will follow with faculty supervisor.
3. The student will carry out an independent thorough literature review of a genetics/dysmorphology topic of his/her choice. The review will be presented orally to the faculty supervisor at the end of the rotation.

Evaluation Methods: The student will be evaluated on his/her clinical performance, comprehension of the assigned readings and independent project. A grade of "pass", "fail" or "honors" will be assigned.

PED 815Ty - Pediatric Rural Ambulatory Elective**Drs. D. Crawford & G. Deckey (344 4800)**4 wks *only*; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803

Goals:

1. To gain insight into the practice of pediatrics in a small town group pediatric practice.
2. To gain skills in relating to parents and patients in a private practice setting.
3. To gain skills in diagnosis and management of acutely and chronically ill patients in an ambulatory setting and in a pediatric ward and Level II nursery separated by 200 miles from tertiary centers and subspecialty consultation.

Format: The student will function according to his/her individual skills and training goals under the direct supervision of a clinical lecturer of the Department of Pediatrics, acting as preceptor. This experience will be primarily office based with the evaluation of patients independently followed by discussion of diagnoses and treatment plans with the preceptor. Experience will include rounds and evaluations of patients with the preceptor in a hospital and emergency room setting when the preceptor is on-call for Yuma Pediatrics. Throughout the month various activities including subspecialty clinics, CME lectures, applicable hospital committee meetings, medical society meetings and Children's Rehabilitative Services clinics will be held with the student encouraged to attend. The student will be made to feel that he/she is a part of the pediatric practice and the community.

Evaluation Methods: Evaluation instruments will be developed for evaluation of the elective by the student and evaluation of the student's performance by the preceptor in conjunction with the Department of Pediatrics.

Housing, meals and travel expenses provided through the cooperation of WAHEC and Yuma Regional Medical Center

PED 815V - Perinatal Medicine**Dr. K. Reed**

3 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1 per period

Prerequisites: Obstetrics & Gynecology 803

Goals: This program is designed to allow the student interested in obstetrics the opportunity to refine clinical skills and provide exposure to a variety of high risk obstetrical patients.

Format: The student will play a vital clinical role with the resident team on obstetrics, participating in all phases of ante-, intra- and post-partum care. In addition, exposure to specialty procedures (amniocentesis, ultrasound), clinical problems (genetic counseling) and clinical conferences will be provided.

Evaluation Methods: A clinical evaluation covering core objectives by the perinatal attending staff and resident staff.

**Crosslisted with OB G 815V, which is home*

PED 815W - Pediatric Critical Care

Drs. R.A. Berg, M. Karadsheh, R. Meyer, M. Berg & A.A.Theodorou (626 5485)

3, 4 or 6 wks; maximum length of 6 weeks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803 and consent of department. Limited to fourth-year medical students.

Goals: To provide the student with an introduction to pediatric critical care medicine. Major emphasis will be placed on understanding physiology and pathophysiology in order to provide rational supportive care. The student will be taught a pathophysiologic approach to the diagnosis and management of shock, respiratory failure, multiple trauma and neuro-intensive care problems.

Format:

1. Direct patient care for one to two patients under the supervision of the pediatric critical care faculty and pediatric senior resident.
2. Daily attending rounds in the Intensive Care Unit and continuous, direct, informal attending contact in the patient care setting.
3. Required reading list for the rotation.

Evaluation Methods: Student will be evaluated by the supervising faculty member based on how well they have achieved stated objectives. There will be no formal written nor oral examination.

PED 815Y - Toxicology in Poison Control

Drs. L. Boyer, J. Sullivan (626 7899)

4 wks *only*; offered March, June, August and November

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Fourth year medical student

Goals: To increase understanding of accidental poisoning and drug overdose and its treatment. The student will become familiar with the diagnosis and management of common poisonings involving drug overdoses, occupational exposures, childhood accidents, envenomations, etc. Skills in history taking, differential diagnosis and the complete care of the poisoned patient will be emphasized.

Format: The student will participate in all aspects of medical toxicology. This will include listening and formulating responses to poison exposure calls at the Arizona Poison and Drug Information Center. The student will participate in patient care with the Medical Toxicology faculty in the inpatient, emergency department and outpatient settings. The student will be expected to present clinical cases and brief reviews of selected topics in toxicology.

Evaluation Methods: The student will be evaluated by the faculty of Medical Toxicology and the Arizona Poison and Drug Information Center. This will be based on his/her knowledge and understanding of the diagnosis and management of the poisoned patient and understanding of the workings of the Arizona Poison and Drug Information Center.

PED 815Z - Adolescent Medicine

Drs. R. Wahl, M. Stilson, & F. Valencia (Stephanie Samson 626 4657)

3, 4 or 6 wks; offered year round (except during July and December)

Directly supervised

Maximum enrollment of 1

Prerequisites: Pediatrics 803; Interest in Adolescent Medicine; must have prior approval of instructor

Goals: Upon successful completion of this elective, the student will be able to: 1 - perform a competent H-E-A-D-S adolescent assessment, and identify and address an adolescent's high-risk behaviors; 2 - competently perform an adolescent history and physical examination; 3 - be comfortable performing an adolescent pelvic examination, and will be able to offer competent advice to an adolescent concerning sexually transmitted diseases and pregnancy prevention; 4 - perform a competent sports medicine examination, and will have an understanding of common sports-related injuries in adolescents and young adults.

Format: A student on the Adolescent Medicine elective will have a weekly schedule similar to that of a pediatric intern on the Adolescent Medicine required rotation. This schedule will include work in some of the following outpatient clinical settings (will vary with each student's rotation depending of availability of space at each location).

Kino Teen Center

Pima County Juvenile Detention Center

Tucson Job Corps Center

·Main Campus Student Health Service - Gynecology Clinic, Sports Medicine Clinic

·Arizona School for the Deaf and Blind

University Orthopedic Specialists

Evaluation Methods: Each student will work under direct clinical supervision and will be assessed by the physician with whom the student is working.

PED 816A - Pediatric Surgery**Drs. P. Crowe, Ghory & Cosentino**3 wks *only*; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Surgery 803 or Pediatrics 803

Goals: To familiarize the student with common pediatric surgical problems and their management.**Format:** The student accompanies and assists three pediatric surgical attendings, a fourth-year and a second-year surgical resident as infants and children are evaluated and cared for in the clinic, hospital, emergency departments and wards.**Evaluation Methods:** Observation by the attendings and resident plus critiques of written hospital charts and a 10-15 minute oral presentation on a subject of the student's choice.*.Crosslisted with SURG 816A, which is home.***PED 816E - Adolescent Reproductive Health****Drs. R. Wahl , T. Ball & P. Lotke (Stephanie Samson 626 4657)**

3, 4 or 6 wks; offered year round (except during July and December)

Directly supervised

Maximum enrollment of 1

Prerequisites: Pediatrics 803; Interest in Adolescent Medicine; must have prior approval of instructor

Goals: This course will be similar to 815Z: Adolescent Medicine, but will have a focus on adolescent reproductive health. Upon successful completion of this elective, the student will be able to: 1 - perform a competent H-E-A-D-S adolescent assessment, and identify and address an adolescent's high-risk behaviors; 2 - competently perform an adolescent history and physical examination; 3 - perform a competent adolescent pelvic examination, and 4 - be able to provide reproductive health advice to adolescents, including sexually transmitted diseases, pregnancy prevention, and (optionally) pregnancy termination counseling.**Format:** A student on the Adolescent Reproductive Health elective will have a weekly schedule similar to that of a pediatric intern on the Adolescent Medicine required rotation, but with a focus on reproductive health. This schedule will include work in some of the following outpatient clinical settings (will vary with each rotation depending of availability of space at each location).

- Kino Teen Center
- Tucson Job Corps Center: Medical Clinic
- Main Campus Student Health Service - Gynecology Clinic
- Planned Parenthood of Southern Arizona
- Arizona School for the Deaf and Blind
- Pima County Juvenile Detention Center

Evaluation Methods: Each student will work under direct clinical supervision and will be assessed by the physician with whom the student is working.**PED 891Ai/891Au - Pediatrics****Dr. Z.M. Shehab (626 4657)**

Pediatric Faculty Sponsorship Required

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Pediatrics 803

Goals: To provide the student with an opportunity for a preceptorship experience in hospitals throughout the world. Through the sponsorship of a faculty member of the Department of Pediatrics a student may apply for such an experience. Students seeking unique experiences in any aspect of Pediatrics must first consult with a faculty member here. This faculty member, preferably, would be familiar with the student's area of interest and with the particular hospital in which the student desires the preceptorship. The faculty member serving as sponsor for the preceptorship should be given the name and complete address of the preceptor.**Format: To be determined by the preceptor.****Evaluation Methods:** The evaluation form of the College of Medicine may be used; however, if the preceptor prefers to use the evaluation form of his/her school, this will be acceptable. To guarantee that credit is received for the preceptorship, it is the student's responsibility to see that either the name of the sponsor or the Coordinator be given to the preceptor so the evaluation form may be mailed to the correct person.

PED 891I - Rural Health Professions Program

Dr. C. Galper (626 2351)

3, 4 or 6 wks; maximum length 12 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 15, minimum of 1

Prerequisites: Open only to students formally admitted in the Rural Health Professions Program

Goals: The Rural Health Professions Program (RHPP) was designed to provide medical students with quality educational experiences in selected rural settings. The goals of this course are as follows:

1. Continue development of clinical patient care skills
2. Understand the public health and medical care issues in a rural community
3. Investigate the range of factors that influence individual, family health and community-oriented care
4. Develop a working knowledge of community-based health and social support services and resources, and learn how to draw upon these resources in caring for patients

Format: Students will participate in patient care providing service in the practices of their preceptors. In addition, students will investigate social service and other health care agencies to gain a more complete knowledge of services available as well as health and social issues in their communities. Students will work with their assigned physician preceptors in their practices located in rural Arizona.

Evaluation Methods: Assist in the provision of patient care at a level congruent with training. Maintain the Memorable Patient Contact Book. Complete and return the provided RHPP evaluation form to the RHPP administration. Physician preceptors will complete an evaluation of students' performance and submit to the RHPP administration.

**Crosslisted with INDR 891I, which is home; MEDI 891I, OB G 891I, SURG 891I & FCM 891A1*

PED 891J – Pediatric Medical Camp

Dr. Z. M. Shehab (Stephanie Samson 626 4657; ssamson@peds.arizona.edu)

Number of weeks and credits dependent on Camp schedule

May or may not be directly supervised/Non-patient/Patient care

Pre-requisites: none

Goals: The student will obtain a unique insight into the management of chronic disease in children, with the physical and emotional effects that confront them. The student will experience the therapeutic benefits of exercise and wilderness exposure in children, as well as strengthen communication skills with them. The student will develop an appreciation for the daily management and routines necessary for chronically ill patients in a non-medical setting, and participate whenever required. It is expected that the student will accompany campers during visits to the medical facility and triage the issues, if possible for the medical team.

Format: The student is a cabin counselor at a medically-centered camp for children with chronic disease, and will follow the individual camp's guidelines for selection criteria. Participating camps are as follows (contact Stephanie Samson for complete details):

- The Boggy Creek Gang Camp, Eustis, FL *
- The Hole in the Wall Gang Camp, Ashford CT*
- The Double "H" Hole in the Woods Ranch, Lake Luzerne, NY*
- L'Envol, Fontainebleau, France*
- The Barretstown Gang Camp, County Kildare, Ireland*
- MDA Summer Camp Northern AZ (Muscular Dystrophy)
- Arizona Camp Sunrise in Payson, AZ (Cancer)
- Camp Rainbow Prescott, AZ (Cancer)
- Camp Honor . Prescott, AZ (Hemophilia)
- Camp Not-A-Wheeze, Prescott, AZ (Asthma)

*(*The Hole in the Wall Gang Camp- Population varies by week, but includes cancer, hemophilia, HIV, sickle cell, heart/kidney transplant, epilepsy)*

Evaluation: Evaluation will be based on performance by supervising camp and medical personnel.

PED 896A - A Survey of Interdisciplinary Pediatric Pulmonary Issues

Drs. M. Brown & W. Morgan (L. Rascon, 626 1567, lrasccon@peds.arizona.edu)

Offered Sept-Dec; T 1-3PM; 1-4 credits

Directly supervised/Non-patient care.

Minimum enrollment of 20

Goals: All MCHB training programs aim to promote comprehensive, coordinated, family-centered and culturally sensitive systems of health care that serve the diverse needs of all families within their communities. The mission of the Pediatric Pulmonary Centers is to develop interdisciplinary leaders who will improve the health of children with respiratory conditions through the provision of family-centered care.

The goal of this course is to provide interdisciplinary leadership training for graduate and postgraduate level health professionals.

Format: A lecture series regarding pediatric pulmonary issues will be presented to the student. Such lectures include:

Overview of Pediatric Respiratory Disease, Asthma, Pulmonary Function Testing, Cystic Fibrosis, Apnea, Infant Mental

Health, Clinical Research methods, Integrated Medicine, Clinical Medical Ethics & Chronic Disease, etc. Many guest presenters will be conducting lectures on their area of expertise. Students will be required to create a short reflective piece after each lecture on how they will be able to apply what they learned in the career field.

All lectures are video-streamed on the web. Students can view up to one-half of the lectures in this format. Reflective pieces will be required for each.

Students have the option of developing a multi-media project. Project development generally takes a minimum of 30 hours of personal research and production with faculty supervision. Project should be learning material that can be distributed to others (parents, patients, community, other centers, etc.) The student presents their project to the Pediatric Pulmonary Faculty Members and is evaluated by his/her discipline faculty member with input from all. Past project examples include: a CD-ROM regarding Cystic Fibrosis, a Clinical Practice Guideline on the use of high dose Ibuprofen in Cystic Fibrosis, and a Power Point presentation on Cystic Fibrosis Screening to newborns.

Evaluation Methods: Students will be evaluated on their reflective pieces and students who opt to participate in the multi-media project will be evaluated by his/her discipline faculty member with input from all.

PED 899 - Independent Study

Dr. Z.M. Shehab & Faculty (626 4657)

3 or 6 wks; maximum length of 18 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment varies

Prerequisites: Medical students only

Goals: The goal of this elective is to allow the student to work with a particular faculty member in pursuit of a particular field of study in pediatrics.

Format: As arranged between student and instructor.

Evaluation Methods: As arranged.