

The Department of Family & Community Medicine offers a variety of courses to supplement and extend the student's training in Family Medicine and in Community Medicine. These include full-time clinical preceptorships, subinternships, non-clinical courses and seminars. Independent study or research is also offered on an individual basis.

Community-Oriented Primary Care Electives Research (FCM 500A/800A)

Family Medicine Subinternship (FCM 811Aa)

In Phoenix: Maricopa Integrated Health System (FCM811Ae), St. Joseph's Hospital & Medical Center, (FCM811Af); Good Samaritan Regional Medical Center, (FCM811Ag); Scottsdale Healthcare (FCM811As); Phoenix Baptist Hospital (FCM811At)

Public Health and Community Medicine Rotation Maricopa Integrated Health System, Phoenix (FCM 815Ae)

End of Life/Palliative Care (FCM 815B)

Community Oriented-Family Practice: USA and Industrial Nations (FCM 815D)

Family Medicine Mayo Clinic, Scottsdale (FCM 815Em)

Alternative Medicine Modalities in Primary Care, Phoenix (FCM 815G)

Specialized Nutrition Support (FCM 815K)

Nutrition in Disease (FCM 815L)

Family Practice Outpatient Scottsdale Healthcare (FCM 815Ms)

Family Medicine Ambulatory Maricopa Integrated Health System, Phoenix (FCM 815Ne)

Homeless Health Care Issues Maricopa Integrated Health System, Phoenix (FCM 815Re)

Hospice Care for the Terminally Ill, Hospice of the Valley, Scottsdale (FCM 815Tw)

Care of the Older Adult (FCM 816K)

Methamphetamine & Other Illicit Drug Education (MethOIDE) (FCM827)

Arizona Senior Clinical Preceptorship in Family and Community Medicine (FCM 891Az/Ar*)

Rural Health Professions Preceptorship (FCM 891A1)

Clinical Family Medicine (Outside Arizona) (FCM 891Bu)

Epidemiology at CDC (Centers for Disease Control)

Clinical Preceptorship (Outside Arizona) (FCM 891Cu)

Prison Health Care Clinical Preceptorship (FCM 891Eu)

International Health Clinical Preceptorship (Interna-

tional) (FCM 891Fi)

Epidemiology & Applied Preventative Medicine with the Indian Health Service (IHS) (FCM 891H)

CUP (Commitment to Underserved People) (FCM 891J)

Family Medicine Hospitalist Preceptorship (FCM 891L)

Indian Health Service (IHS) Clinical Preceptorship (FCM 891Nz)

Emergency Room/Family Physicians in Community Hospitals (Arizona Communities) (FCM 891Pz)

International Health: Clinical and Community Care (FCM 596A/896A)

Alternative/Complementary Medicine Seminars

Maricopa Integrated Health System, Phoenix (FCM 896Be)

Socio-political Health Issues Maricopa Integrated Health System, Phoenix (FCM 896D)

Nutrition and Physical Activity in a Biocultural Context (FCM 696G/896G)

Evidence-based Medicine Workshop Phoenix Area (FCM 896H)

Clinical Leadership and Administration (FCM 896I)

Health Policy: Leadership and Current Issues (FCM 896J)

Medicine and Films (FCM 896L)

Alcohol and Tobacco series (FCM 896T, 896U, 896V)

Independent Study (FCM 599A/899A)

FCM 500/800 - Research

Dr. R. Pust (626 7822), R. Kutob (626 3083), L. Johnson (626 6029 & FCM Faculty

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

Directly supervised.

Prerequisites: FCM approved sponsor required. (Student is to submit description of proposed study to Dr. Pust via designated faculty sponsor for approval before registering. Form available from Student Records or FCM Room 206B).

Goals: To conduct a full- or part-time research endeavor, working closely with an approved faculty member matched to the student's needs and interests. The research project may be clinical or epidemiological in nature.

Format: The student will develop and execute a research project under the supervision of a faculty preceptor. Ongoing research and clinical activities which would provide a base for student projects include (but are not limited to) the areas of health knowledge, attitudes and practices, patient education, occupational health, nutrition, health care in rural, underserved or international areas, health planning, epidemiology, evaluation of medical care effectiveness and cross-cultural aspects of medical care.

Evaluation Methods: Written report in publishable format summarizing research project and results.

**Crosslisted with CPH 500/800*

FCM 811A - Family Medicine Subinternship

Dr. E. Paul (Coordinator: Rhea Merriman, 694 1615)

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

Directly supervised

Maximum enrollment of 2

Prerequisites: For information and approval to register for this course, contact Rhea Merriman at 520 694 1615, e-mail rmn@u.arizona.edu

Priority is given to UA students who make arrangements prior to May 1; site opens to all students from all medical colleges (including UA students) after May 1, 2008.

Goals: The purpose of this subinternship is to provide the students with experience in a relatively responsible intern-like role in a Family Medicine training program. This is designed as an inpatient experience since the limited time would not permit a satisfactory continuity ambulatory experience to be added.

Format: The medical student will serve as a subintern team member on a busy inpatient Family Practice Service. While orders must be co-signed, the subintern will have responsibility commensurate with demonstrated abilities which may include admission history and physical, ordering diagnostic and therapeutic interventions, discharge planning, working with home health and community agencies. Care is provided to all ages from infants to the elderly and in settings from the Emergency Department to regular inpatient setting to ICU. Rounds occur daily and include didactics.

Evaluation Methods:

1. Office of Academic Resources student feedback form (or equivalent form from the respective medical school).
2. Standard inpatient rotation evaluation completed by clinical supervisors.

FCM 815B - End of Life/Palliative Care

L. Tomasa, PhD (626 7823)

3 wks only; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 1 AT A TIME

This may be a patient care elective.

Prerequisites: Fourth-year medical students. Students must have consent from Dr. Tomasa before registering.

Goals: The student will learn the basic principles of a team-approach to palliative and end of life care. This includes an understanding of the clinical and psycho-social-spiritual needs of adults with a terminal illness. The course can be designed based on the student's interest and needs.

Format: The student will work closely with the staff and medical director of a hospice program(s). The student will participate in a interprofessional approach to the care of the dying patient and their families by spending time with various team members of the hospice program. This is accomplished by making home visits, participating in the care of patients on the in-patient unit, being on-call with nurses, making rounds with the medical director, and participating in support group meetings. Issues that will be addressed include: assessment and control of pain, symptom and comfort care, different palliative measures, death and

end-of-life concerns, and bereavement support.

Evaluation Methods: The student will meet with the course coordinator to discuss readings and issues that pertain to their experience. Students will be required to write a one-page reflective statement about their experience.

FCM 815D - Community-Oriented Family Practice: USA and Industrialized Nations

Dr. W. Peate (882 5852; peate@u.arizona.edu)

4 or 6 wks; Maximum length of 8 wks; offered year round

Directly supervised/Patient care or non-patient care.

This is typically a patient care (but can be a non-patient care) elective.

Prerequisites: Consent of instructors

Goals: This course is designed so that students who wish to work in a community health setting, but focus on a particular problem area, may do so. While the emphasis may be clinical or non-clinical, the common denominator is the in-depth attention to a particular problem area in community oriented health care delivery. At the conclusion of the course, the student should be able to address other problems in similar community health settings using the methodology and concepts required during the course.

Format: The course may be taken in a variety of settings, including community clinics and private physicians' offices. The focus, however, must be on community problems in association with these practice settings.

Problems may vary in scope and description, but are to be distinguished from clinical research - which looks only at disease entities and their causes. Disease prevention and health promotion are examples of concepts around which community health problems may be defined. For instance, the student may wish to study the prevalence of a particular health problem in the service area of the clinic/office where he/she is working or the student may identify an environmental problem in the community and initiate an effort to bring remedial measures in order to alleviate that problem. Focus should be problem definition, proposed intervention and appropriate evaluation. Prevention and promotion are preferred interventions. For details, contact Dr. Peate at 882-5852.

Evaluation Methods:

1. Written report prepared by the student.
2. Presentation of the project before faculty members and others working in the student's field of interest.

FCM 815K - Specialized Nutrition Support

M. Marian, MS, RD (626 4948)

3 wks only; offered year round.

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Completion of third year clerkships

Goals: To provide students with the knowledge base and clinical tools necessary to evaluate the appropriateness for specialized nutrition support and to develop a specific patient care plan for administration of specialized nutrition support (enteral, parenteral).

Format: Students will undergo an initial training during which they will be provided with tools and techniques to assess nutritional status, determine the appropriateness of specialized nutritional support, determine the most appropriate feeding route(s) and develop an individualized nutrition support regime.

Evaluation Methods:

1. Student demonstrated understanding of specialized nutrition supports through participation in daily patient care rounds and documentation in the medical record.
2. Student performance on written patient cases.

FCM 815L - Nutrition in Disease

M. Marian, MS, RD (626 4948)

3 wks only; offered year round

Directly supervised/Patient care

Maximum enrollment of 3

Prerequisites: BIOC 801 & SBS-COPC required.

Goals:

1. To explain the appropriate diet therapy for a variety of disease states.
2. To perform both in-patient and out-patient nutritional status assessment including interpretation of the data.
3. To interact on a multidisciplinary team and understand the role of a team approach in optimizing patient care.
4. To develop basic nutritional counseling skills.

Format: This course will be taught within a patient care setting with students actively participating in the nutritional care of patients.

Evaluation Methods: Supervised by nutrition professionals; student involvement.

FCM 816K - Care of the Older Adult

Drs. M.J. Fain & L. Tomasa (626-5800, mfain@aging.ariaona.edu or Administrative Associate, Diana Froehlich dfroehlich@aging.arizona.edu)

3 or 4 wks; maximum length of 8 wks; offered year round

Directly supervised/Patient care

Maximum enrollment 2

Prerequisites: Fourth year medical student, with consent from instructor prior to registering

Goals: To provide the student with a clinical and community-based experience with older adults. Emphasis will be placed on the multifaceted aspects of aging as well as the interdisciplinary approach to geriatric care. Students will be exposed to a continuum of care from the least restrictive to most restrictive environments.

Format: Students will work under the direct supervision of a geriatrician/gerontologist as a member of a multi-disciplinary team. The continuum of care will be provided in both institutional and community based settings. The experience will address cross-cultural aspects of aging, health promotion, and the maintenance of functional abilities. Students will be exposed to home care, a comprehensive geriatric evaluation clinic, assisted living, and hospice care.

Students may focus on areas of interest that include rural health, community-based care, optimal aging, and home visits with elders. A plan and schedule will be developed to meet the student's learning objectives as well as cover basic principles of care for older adults. A reading syllabus will be provided.

Evaluation Methods:

Direct observation and feedback by preceptors will occur at the various clinical sites. Students will keep a journal and will make a presentation on a health topic to a group of older persons or community group.

Crosslisted with MEDI 816K which is home.

FCM827 - Methamphetamine and Other Illicit Drug Education (MethOIDE)

Dr. J. Cunningham (615-5080 jkcunnin@D2L.arizona.edu, jkcunnin@email.arizona.edu)

8 week internet based course. TBA. (1 credit)

Directly supervised/Non-patient care

Min enrollment 1; Max enrollment 15

Location: Log on to online course at <http://D2L.arizona.edu>

Prerequisites: None

Goals: Illicit drug use is a growing health concern. This course examines physical and behavioral health issues associated with methamphetamine, cocaine, heroin, and other illicit drugs. The course goals are to introduce medical and other healthcare students to the patterns and consequences of illicit drug use, the methods for screening for such use, the types of services available for treating illicit drug use, and the procedures for linking patients with those services. The impacts of drug enforcement policies on health are also considered.

Format: This 8-week, online course is a combination of independently completed on-line course assignments, assigned readings, and online discussions on class assignments with the course instructor. Completion of Web-based core content (approx 14 hours); Discussion board assignments (approx 30 min/week); Weekly quizzes or class assignments (30-60 min/week); Assigned readings (20-30 pages per week).

Evaluation: Evaluation: of students will be based on performance of each of the course components and a final exam.

**Crosslisted with CPH 627/827 and NUR627*

FCM 891Az/891Ar - Arizona Senior Clinical Preceptorship in Family and Community Medicine

Drs. R. Pust (626 7822) & Family Practitioners throughout Arizona

4 to 8 wks; maximum length of 12 wks; offered year round

Directly supervised/Patient care

Note: For Indian Health Service, Rural Emergency Room or International Preceptorships, see FCM 891Nz, FCM 891Pz or FCM 891Fi, respectively.

Prerequisites: Completion of Year III FCM Clerkship and written approval of Family & Community Medicine preceptorship coordinator on "Elective Selection" form (U of A students only) prior to registration for specific site. University of Arizona students should contact Leann Correa at 626 7865 or Ron Pust, MD at 520 626 7822 (FCM, 1450 N Cherry, Room 204) or rpust@u.arizona.edu. Out of state students apply to the clinical site directly.*

Goals:

1. To acquaint students with the life of the family physician within the context of his/her practice in a rural or urban Arizona community.

2. To provide a full spectrum clinical experience in the senior year regardless of future specialty.

Format: Full-time association with a practicing family physician in Arizona. Participation in hospital and ambulatory and emergency care, health care meetings and community activities. Practice settings include solo or group practices in private, community or federally funded clinics or hospitals.

Evaluation Methods: Standard College of Medicine evaluation forms completed by site faculty (Obtain forms from Student Affairs or Leann Correa, FCM room 206B)

Preceptorship Training Sites: Sites located in all of Arizona's fourteen counties reflect the state's cultural, economic and geographic diversity within a variety of Family Practice settings. New sites may be developed in response to interests of students. Students may suggest their own site to Preceptorship Director but preceptor must be a board certified family practice physician acceptable to the FCM Department. Preceptorship training sites include:

Maricopa County (Greater Valley AHEC)

Avondale
Chandler
El Mirage
Guadalupe
Queen Creek
Surprise

Northern Arizona (Northern Arizona AHEC)

Flagstaff
Fort Defiance
Ganado
Springerville
Page (Canyonlands CHC)
Show Low
Snowflake
Polacca (Keams Canyon)
Prescott
Tuba City
Williams

Southeastern Arizona (Southern Arizona AHEC)

Benson
Bisbee
Douglas
Nogales
Sierra Vista

Western Arizona (Western Arizona AHEC)

Bullhead City
Kingman
Lake Havasu City
Yuma/Somerton

Eastern Arizona (Eastern Arizona AHEC)

Safford
Globe/Miami
Payson

*For a more detailed description of each AHEC site, consult David Rodriguez, (520) 626-4027. If you are interested in a Community Health Center, contact Wendy Recinos (program coordinator for Az Community Health Centers) before registering (602-288-7553, wendyr@aachc.org). If you are interested in Avondale, Chandler, El Mirage or Phoenix, contact Dr. Greg Lewis at 602 344 5426 to check on availability before registering. Immediately after you have finalized your site, obtain and complete an Elective Selection form from U of Arizona Student Records so we know where you plan to go.

FCM 891Ar is a special designation used for this identical elective when taken by UA College of Medicine Rural Health Profession Program students (See RHPP coordinator for details).

FCM 891A1 - Rural Health Professions Program

C. Galper, Ed.D., CHES (626 2351)

1- 6 wks; Maximum length of 12 wks; offered year round.

Maximum enrollment of 15, minimum of 1

Prerequisites: Open only to students formally admitted to the Rural Health Professions Program. Must have permission of Carol Galper (520 626 2351) before registering.

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. 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 MED 891I, which is home; MEDI 891I, OB 891I, PED 891I, SURG 891I*

FCM 891Bu - Clinical Family Medicine (Outside Arizona)

Dr. R. Pust, Family Practitioners & Community Medicine specialists in various communities in the United States (626 7822)

4 to 12 wks; Maximum length of 12 wks; offered year round

Directly supervised/Patient care. Requires prior approval by external site and concurrence by course coordinator.

Maximum enrollment of 1 (per location)

Prerequisites: Completion of Family & Community Medicine, Pediatrics and Internal Medicine clerkships; consent of course coordinator

Goals: The purpose of this elective rotation is to provide the UA medical student with experience in a responsible senior student role (e.g., preceptorship or subinternship) in a Family Medicine training program outside Arizona. UA medical students may use this rotation to experience a breadth of roles in Family Medicine, including both hospital and ambulatory care. They may also use this full-time clinical rotation to "audition," i.e., explore a specific Family Medicine residency program elsewhere in the USA or Canada.

Format: Varies depending on location and student needs. Students must arrange rotation in advance with the director of the specific residency program or other training site.

Evaluation Methods: Faculty at external site utilizes Standard College of Medicine forms to evaluate students.

FCM 891Cu - Epidemiology Preceptorship at CDC (Centers for Disease Control)

Drs. R. Pust (626 7822) & EIS Faculty (Epidemic Intelligence Service Programs, EPO, CDC, 1600 Clifton Road, Mailstop D18, Atlanta, GA 30333) (888-496-8347 toll free; URL: <http://www.cdc.gov/eis/applyeis/eis/elective.htm>)

6-8 wks; Maximum length of 8 wks

Offered in two month assignments (September through June)

Directly supervised. Prior approval by CDC and its field site plus concurrence of FCM 891Cu course coordinator, R.

Pust, who is a former USPHS/CDC medical officer. (Note: CDC also has other senior medical student opportunities; see www.cdc.gov)

Maximum enrollment of 3

Prerequisites: Consent of course coordinator. Requires separate advance application to CDC. CDC forms available from Rosalind Fair, FCM Room 206B. Application process to CDC takes time and best slots are chosen early - apply as early as possible (deadline is May 30 of student's year III).

Goals: To learn and practice epidemiology under the supervision of experienced CDC epidemiologists.

Format: Qualified and interested medical students are offered the opportunity to work with Epidemic Intelligence Service medical officers and other CDC career staff in this epidemiology elective, which may be in Atlanta or in a state health department. The purpose of the elective is to provide an introduction to preventive medicine, public health and the principles of applied epidemiology. Students actively assist in investigations of infectious diseases, environmental and occupational diseases, analysis of health data, or other problems of public health interest. Students become part of the day-to-day operation of CDC's nationwide U.S. Public Health Service disease surveillance systems. Diverse projects are

offered for students to work on during their elective. Some participants have become co-authors on publications of major health importance.

Evaluation Methods: Standard College of Medicine evaluation forms issued by the College of Medicine will be used by CDC faculty.

FCM 891Eu - Prison Health Care Clinical Preceptorship

Drs. R. Pust. Sites include: Stephen A. Vaughn, MD, PhD (State of Arizona or New Mexico Corrections Departments 505-827-8280, Stephen.Vaughn@state.nm.us); James Cleeney (Health Director for Wilmot State Prison in Tucson)

4 or 8 wks; maximum length of 8 wks; offered year round

Directly supervised/Patient care. Medical students must have consent of Dr. Pust before registering.

Maximum enrollment of 4

Prerequisites: Completion of basic clerkships in Family & Community Medicine, Surgery, Psychiatry and Medicine.

Fourth-year medical students. Students must arrange rotation with prison facility.

Goals:

1. To observe the housing, activity, and security arrangements in the prison and the organization, constraints, and challenges of prison health care = corrections medicine.
2. To acquire knowledge of the health problems commonly encountered in prisons and detention centers and of the lifestyles and behaviors before and during incarceration that contribute to the frequency of these problems.
3. To gain skill in interacting effectively and compassionately with inmate patients, assessing their problems efficiently and prescribing treatment and appropriate patient education.

Evaluation Methods: Daily contact of student/physician/inmate patients; standard College of Medicine evaluation forms issued by the College of Medicine to be used by the site faculty.

FCM 891Fi - Global Health Clinical Preceptorship**

Dr. R. Pust. Directly supervised by approved physicians in developing nations 6 to 12 wks; (as short as 4 wks in Mexico or selected other regions, if approved by R. Pust, course director);

offered year round

Directly supervised/Patient care Prior approval by physicians at external site and concurrence by course coordinator.

This course is open to University of Arizona students only.

Minimum enrollment of 1 (per location at any one time)

Prerequisites: Permission of instructor; completion of at least 22 weeks of year III Clerkships; completion of International Health Summer Orientation Course (FCM 896A) in July is strongly advised. (see separate listing for FCM896A)

Goals: This clinical preceptorship offers the student participation in clinical and public health care in a developing nation context. Emphasis is on understanding local health problems and combined clinical and community approaches to them. Prerequisites include appropriate linguistic, cultural and medical preparation (preferably through completion of International Health summer orientation course, FCM 896A.) Emphasis in this preceptorship will vary with the nature of the clinical site. Our preference is for district-level hospitals, especially those having community health programs in the surrounding area.

Format: Supervised clinical patient care in the context of resource constraints in a developing nation, where culture conditions the perception and solution of health problems. Priority will be given to students who demonstrate some facility in the language of the selected country and adequate preparation for the assignment, e.g. by completing FCM 896A.

Locations may be selected in Latin American countries, Africa, and Asia/Pacific. Direct supervision by a qualified primary care doctor or general practitioner must be arranged for the clinical site; a file of sites is maintained in FCM Abrams Building 1450 N. Cherry Avenue, room 204 and via our website (below). Where possible, efforts will be made to assist in the location of funding sources to help finance travel expenses.

Evaluation Methods: Each student participating in the course will, upon return, write an evaluative report of the experience and assess the degree to which objectives were satisfied. (obtain forms from FCM Room 206B). In addition, each student will keep an activity log of the time spent in the overseas setting, sharing this log with the sponsoring faculty on return. On-site doctors evaluate clinical performance. Standard College of Medicine evaluation forms issued by the College of Medicine will be used by site faculty.

Sources of funding may be available:

Mulcahy International Health Scholarship: students who complete both FCM896A and FCM891Fi are eligible. Funding varies each year, usually a few hundred dollars per student. Also check well in advance for additional funding sources at: http://www.globalhealth.arizona.edu/Funding_Links.htm

**It is strongly recommended that the July course FCM896A be completed before embarking on FCM891Fi.

FCM 891H - Epidemiology & Applied Preventative Medicine With the Indian Health Service (IHS)

Drs. R. Pust (626-7822), J. Cheek (Albuquerque, NM 505-248-4132, james.cheek@mail.ihs.gov)& IHS Faculty

4 or 8 wks; maximum length of 8 wks; offered year round, based in Albuquerque NM (covers IHS nationally)

Directly supervised/Non-patient care.

Maximum enrollment of 3

Prerequisites: Consent of Course Coordinator and IHS Epidemiologist (James Cheek, MD, MPH)

Goals: Students will gain proficiency in:

1. Basic concepts of epidemiology, biostatistics, and public health practice in defined-denominator communities.
2. Application of epidemiologic and biostatistical methods in a field investigation setting, or in analyzing a pre-existing data set.
3. Computer and communication skills needed to effectively investigate, analyze, control and report a public health problem.

Format: Disease outbreaks will be presented in a case-based problem-solving format, using examples encountered while performing an investigation. Students will meet daily with the preceptor for discussions of readings and pertinent epidemiologic and biostatistical concepts. Students may also attend relevant University of New Mexico or agency meetings and seminars.

Students will work closely with the national communicable disease epidemiologist of the IHS. Depending on outbreaks, students may travel to IHS facilities throughout the United States to investigate and control outbreaks of disease. (While traveling, students would receive the standard U.S. government per diem to cover expenses).

Students are responsible for actively participating in the work of a medical epidemiologist. Students may have the opportunity to publish, as co-authors, results of investigations. The student is accountable to the preceptor, James Cheek, MD, MPH, the main IHS epidemiologist involved in the Arizona-New Mexico Hanta virus, RMSF and other outbreaks. He is a practical clinical and public health physician.

Evaluation Methods: In addition to the standard University of Arizona evaluation form, a written evaluation of the preceptorship experience is required of both the student and preceptor.

FCM 891J - CUP (Commitment to Underserved People)

Dr. C. Galper (626 2351)

3 credit units

Offered year round

Directly supervised/Patient care

Prerequisites: Students must participate in orientation and training and community service during the first and second year of medical school. This elective is limited to medical students participating in the CUP program.

Goals: CUP is a program that promotes medical students commitment to working with the medically underserved. The CUP elective offers medical students an opportunity to learn patient education and clinical skills/ competencies needed to serve specific populations. Students participate by volunteering in CUP projects that offer services to populations in need. CUP programs allow students to learn under the guidance and supervision of faculty mentors.

Format: Effective with the Class of 2007, in order to receive a grade for the CUP elective, students must complete 90 CUP hours and submit a paper regarding their experiences in CUP. The paper should be 3-5 pages typed, double-spaced. The paper should be reflective in nature, with students discussing their personal reactions and thoughts about their CUP experiences and those people whom the students have served. These experiences and reflections should be related in the paper to one or more issues about disparities in health care or health status. Students are encouraged to refer to the literature on health disparities and include appropriate references for the literature that is cited in the paper. Appropriate topics for this paper include the impact of culture and socioeconomic status on access to care and adherence to a clinical regimen, or differences in health belief systems and how these affect symptom recognition, seeking health care, and health status. Dr. Carol Galper must approve topics before a paper can be submitted. Distinction in Community Service will be noted on the transcript of students meeting 120 CUP hours and completing a minimum 10 page paper, cited and with the student's reflections. Paper topic must be approved by Dr. Galper and must deal with issues faced in CUP experiences. This paper is due on or before April 1 of your 4th year, and should be submitted to Dr. Galper. Students who think they will want to complete the CUP Elective are also encouraged to maintain an ongoing journal about their experiences in CUP; these recorded thoughts from the beginning of their medical education will be very helpful when completing the paper assignment in Year IV.

Evaluation Methods: Students will attend training workshops where they learn and demonstrate competencies under supervision until they demonstrate mastery of specific skills. In clinic they are observed by the attending physician(s) and more advanced students. Each student participates in ongoing evaluation and supervision by CUP administrative staff and faculty. Honors will not be given for this elective. However, students may decide to earn the award of "Distinction in Community Service" if they wish to illustrate their dedication to service.

**FCM 891L - Family Medicine Hospitalist Preceptorship -
University Physician Hospital - Dr. M Kedansky (520 323 1965)**

4 to 12 wks; Maximum length of 12 wks; offered year round.

Directly supervised/ Patient care.

Maximum enrollment of 1 per site

Prerequisites: Completion of Family & Community Medicine Clerkship; consent of Dr. Kedansky.

Goals: The goal of this rotation is to expose students to an academic hospitalist practice, both in a general medical floor and ICU setting. Furthermore to expose students to a hospital based practice provided solely by Family Physicians.

Format: The medical student will have the opportunity to make daily rounds on the medical floor and ICU staffed by family medicine hospitalist physicians. The student will have responsibilities commensurate with demonstrated abilities and may include admission history and physical, ordering diagnostic and therapeutic interventions (to include procedures), discharge planning, and working closely with other hospital staff including administrators, nursing, social services, dietary, rehabilitation, and home health departments. Care is provided for patients 18 or older only. Night or weekend call opportunity is available, but not required. The student will have on-site supervision at all times. **Opportunity to attend Grand Rounds and other educational activities is available.**

Evaluation Methods: Office of Academic Resources student feedback form (or equivalent form from respective medical school); standardized inpatient rotation evaluation completed by clinical supervisors.

FCM 891Nz - Indian Health Service (IHS) Clinical Preceptorship in Family and Community Medicine (offered by FCM in conjunction with individual clinics and hospitals serving Native Americans)

Drs. R. Pust, S. Hausser (San Xavier), D. Mahoney (Whiteriver, dianna.mahoney@ihs.gov), S. Hausser (Sells; susan.hausser@ihs.gov), & other selected IHS or I/T/U Family Practitioners, mostly west of the Mississippi

4-12 wks; offered year round

Directly supervised/Patient care

Prerequisites: Completion of 22 weeks of Year III Clerkships including FCM and written or faxed approval by the IHS site. For details contact Dr. Ron Pust (626 7822) (FCM room 204). IHS sites are usually open to direct contact by any student from any US medical college. Students must contact chosen site to reserve desired time frame.

Goals:

1. To provide a full spectrum rural experience emphasizing clinical skill-building in the senior year, regardless of future specialty.
2. To demonstrate community-oriented primary care in the only population/area-based comprehensive health system in the USA — the USPHS Indian Health Service.
3. To acquaint students with the life of the family physician within the cross-cultural context of IHS practice.
4. To experience the collaborative work of various clinical and public health professionals within an integrated, comprehensive health care system.

Format: Full-time practice with IHS family and other primary care physicians doing in-patient and out-patient care, emergency care, health care meetings and community health and cultural activities. Practice settings include clinics and hospitals that are exclusive providers of ambulatory and inpatient care to American Indians and Alaska Natives.

Evaluation Methods: Submission of a brief narrative report of preceptorship experience; patient log. Standard College of Medicine evaluation forms utilized by IHS site faculty. (Obtain report forms in advance from Student Records or FCM room 206B).

Stipends: Most sites offer housing and some may offer IHS stipends, if scheduled far enough in advance.

Preceptorship Training Sites: Sites are located in each of the twelve Indian Health Service Areas throughout the United States (see map on next page) including Arizona. Scheduling and changes are made by the clinic's physician recruiter or medical student coordinator. Students should contact the clinic through the title "Medical Student Coordinator" at the desired site (called "Service Unit"). The IHS maintains a comprehensive web site and phone directory at <http://www.ihs.gov/jobscareerdevelop/CareerCenter/PhyRecrt.asp>

Out of state students apply to the clinical site directly.

FCM 891Pz- Emergency Room/Family Physicians in Community Hospitals

Drs. L. Moher, R. Pust (626 7822), and selected Arizona practitioners in Arizona community hospitals.

4 wks, offered year round

Contact Ron Pust, MD, prior to scheduling this elective for possible sites.

Directly supervised /Patient care

Minimum enrollment: 1 Maximum: limited by clinical site availability

Prerequisites: Completion of third year clerkships in FCM, surgery, internal medicine, pediatrics, neurology; completion of OB/GYN and psychiatry clerkships also strongly recommended.

Goals: Under the supervision of experienced (and ACLS, ATLS, PALS - certified) doctors in emergency rooms in non-metropolitan areas of Arizona, the fourth year student will:

1. Triage patients presenting to the hospital emergency room.
2. Stabilize those with life threatening conditions and refer for care of these conditions, locally or regionally.
3. Provide definitive care of non-life-threatening conditions, referring these patients to family practitioners or other primary care physicians for definitive and ongoing primary care.

4. Follow selected patients in both categories (above) through the referral/outcome process.
5. Work with other categories of health professions providing emergency medical care, both pre-hospital and in-hospital.
6. Assimilate practice management issues for primary care physicians providing care in emergency rooms.

Format:

1. Emergency Room practice at the year IV student level, as described above, on a full-time scheduled basis.
2. Study of accepted emergency room protocols, as used throughout the United States for specific emergency conditions.
3. Preceptorship-type arrangement with the practitioner.

Evaluation Methods: Submission of a brief narrative report of this preceptorship experience; patient log. Standard College of Medicine evaluation forms utilized by site faculty. (Obtain report forms from Student Records or FCM room 206B).

Community Hospital Emergency Room training sites:

Whiteriver IHS Hospital, Whiteriver, AZ (David Yost, MD)

Sells Indian Health Service Hospital, Sells, AZ (Susan Hausser, MD)

Yavapai Medical Center, Prescott, AZ (William Thrift, MD)

Check first (626-7822 or 626-7865) for availability of these or other ERs before registering for FCM 891Pz

FCM 596A/896A (CPH 596A/896A) - Global Health: Clinical & Community Care*

Dr. R. Pust (626-7822) & T. Carroll PT, MPH, & 10-12 other interdepartmental clinical faculty, e.g., B. Duncan, T. Ball, W. Peate, E. Petersen

3 wks; Meets Monday-Friday, 9 AM-3 PM

Offered 7/13/09-7/31/09 (This intensive, 3-week course awards 4 credits for UA medical students); offered each July since 1982

Directly supervised/Non-patient care. (but uses clinical case approach)

Maximum enrollment of 24 (Enroll before May 1, since students in other medical schools frequently request this course)

Prerequisites: Approval of course coordinator via separate application available online at URL: <http://www.global-health.arizona.edu/IHIndex.html> . Completion of Year II required (plus Year III strongly preferred). Also some openings for primary care residents and graduate students in health sciences, including the MPH program. For further details or to enroll see webpage listed above.

Goals: FCM 596A/896A prepares the participant to work and learn in a developing country health care setting. This course is generally a prerequisite to, and preference is given to students enrolled in, FCM 891Fi, International Health Clinical Preceptorship. (see FCM 891Fi listing)

Content Focus: As the name Clinical and Community Care implies, this course integrates the community public health aspects of International Health with the actual clinical challenges of practice in a developing country or other resource-poor health care setting. The experienced clinicians who teach emphasize the "pearls" and rationale of careful physical examination. We stress partnership with local physicians and health workers in the problems of infectious disease, nutrition and population. Each of the subjects in the extensive syllabus is covered first from the clinical and then from the community problem-solving approach. The Syllabus outline can be viewed at the course website. Content within all units is updated each year by the faculty.

Format: Full-time (75 class hours) three-week seminar, scheduled in July to enable the senior medical student to prepare for the developing country preceptorship. The course schedule and faculty are described on the course website. A variety of intensive, small-group participatory and problem-solving methods are used. Each student designates and focuses on his/her country or continent of interest. Parasitology and infectious disease comprise about one-third of this course. Clinical-case problem-solving sessions illustrate principles in action in developing nations. All faculty are selected for their teaching ability and significant clinical experience in developing nations.

Evaluation Methods: Based on four criteria (60 points each): Participation in daily seminars, teaching modules, final synthesis report and written test. Faculty modifies Standard College of Medicine forms to evaluate students.

*This is one of two related International Health experiences offered to fourth year Arizona medical students through the Department of Family & Community Medicine:

1. Summer Orientation Course (FCM 896A) July 9-13, 2009.
2. Global Health Clinical Preceptorship (FCM 891Fi) 6-12 wks any time.

**Crosslisted with CPH 596A*

FCM 696G/896G - Nutrition and Physical Activity in a Biocultural Context**Dr. L.K. Staten (626 3667)**

Offered August-December (2009); 3 credits

Directly supervised/Non-patient care.

Prerequisites: Consent of instructor (graduate students accepted)

Goals: This course will examine the cultural and biological factors influencing dietary practices, nutrient intake, activity patterns and fitness. Diet and activity will be studied as responses to the availability of environmental resources and to change in both the biological and cultural environment. The impact of directed and circumstantial change on diet and activity, as occurs with intervention programs, acculturation and general social change, will be discussed. Upon completion of this course, students should:

1. Be able to identify factors that impact populations' systems of food distribution, procurement, processing and selection.
2. Be able to identify factors that impact populations' patterns of work related and leisure physical activity.
3. Be able to evaluate the cultural and socioeconomic environment and to understand the impact of that environment on diet and activity patterns.
4. Be able to identify variations in human physiology on a populational level, that influence dietary practices and patterns of physical activity.
5. Better understand the process of change – both how change in the biocultural environment can yield changes in dietary practices and activity patterns and how attempts to change people's dietary practices and activity patterns can have an impact on their socioeconomic relationships, their cultural identity and even their biological environment.

Format: This course will combine a didactic approach with class discussions and class projects. As the class will meet for approximately three hours one afternoon a week, this time block will be divided into two segments: 1) either lecture covering the week's topic or discussion of class projects and 2) class discussion of topics and assigned readings. After several weeks into the course, individual students will be responsible for presenting the issues and controversies raised in the assigned readings and for preparing discussion questions.

Evaluation Methods: Students will be evaluated relative to their performance on class projects, three topic critiques, their preparedness, innovation and effectiveness as a presenter and discussant of assigned readings.

**Crosslisted with CPH 696G/ANTH 696G, CPH is home*

FCM 896I – Clinical Leadership and Administration**Dr. L. Johnson (626 6029)**

Offered first three wks in July; 4 credits

Directly supervised/Non-patient care.

Prerequisites: Third year MD-MPH students and medical students enrolled in the MPH program. Medical students, public health, nursing, or pharmacy students with permission.

Goals: This class is designed to introduce and develop clinical leadership and administration skills focusing in four major areas: 1 – personal and professional leadership and management skills; 2 – community and organizational assessment skills; 3 – program planning and development; and 4 – program evaluation. The students will be expected to understand and demonstrate problem-solving skills through teaching sessions, small group program assessment, development and evaluation, presentations, and papers.

Format: There is no required text. Readings will be assigned for each class and handed out in a syllabus at the beginning of the course. Readings must be completed before each class meeting in preparation for discussion.

Evaluation: Based upon attendance, participation, an individual and group presentation, and a final paper.

**Crosslisted with CPH 896I*

FCM 896T – Alcohol and Tobacco: Effects in Pregnant and Parenting Women**Dr. M. Muramoto (626-1089) myram@D2L.arizona.edu, myram@u.arizona.edu**

5 week internet based course. The 2008 course is offered 8/25-9/26. (1 credit)

Directly supervised/Non-patient care

Min enrollment 1; Max enrollment 8

Location: Log on to online course at <http://D2L.arizona.edu>

Prerequisites: None

Goals: This is the first of 3 internet courses on substance abuse in the maternal and child health (MCH) population. The course focuses on alcohol and tobacco use as the most prevalent substance use/abuse problems encountered in health care and public health MCH practice. Course content addresses the effects of alcohol and tobacco use in pregnant and reproductive age women from four perspectives: biological; epidemiology, social and economic effects; screening and intervention; program development and evaluation. The course goal is to better prepare healthcare and public health students and professionals to address alcohol and tobacco use in pregnant and reproductive age women.

Format: This 5-week course is a combination of independently completed on-line course assignments, assigned readings, and online discussions on class assignments with the course instructor. Completion of Web-based core course content (ap-

prox 10 hours); Discussion board assignments (30-45 min/week); weekly quizzes; assigned readings (30-60 pages/week).

Evaluation: Evaluation of students will be based on performance on each of the course components including a short research paper and a final exam.

FCM 896U – Alcohol and Tobacco: Effects in Infants and Children

Dr. M. Muramoto (626-1089) myram@D2L.arizona.edu, myram@u.arizona.edu

5 week internet based course. The 2008 course is offered 9/29-10/31. (1 credit)

Directly supervised/Non-patient care

Min enrollment 1; Max enrollment 8

Location: Log on to online course at <http://D2L.arizona.edu>

Prerequisites: None

Goals: This is the second of 3 internet courses on substance abuse in the maternal and child health (MCH) population. This course focuses on alcohol and tobacco use as the most prevalent substance use/abuse problems encountered in health care and public health MCH practice. Course content addresses the effects of alcohol and tobacco in infants and children from four perspectives: biological; epidemiology, social and economic effects; screening and intervention; program development and evaluation. The course goal is to better prepare healthcare and public health students and professionals to address alcohol and tobacco effects in infants and children.

Format: This 5-week course is a combination of independently completed online course assignments, assigned readings, and online discussions on class assignments with the course instructor. Completion of Web-based core course content (approx 10 hours); Discussion board assignments (30-45 min/week); weekly quizzes; assigned readings (30-60 pages/week).

Evaluation: Evaluation of students will be based on performance on each of the course components including a short research paper and a final exam.

FCM 896V – Alcohol and Tobacco: Effects in Adolescents

Dr. M. Muramoto (626-1089) myram@D2L.arizona.edu, myram@u.arizona.edu

5 week internet based course. The 2008 course is offered 11/3-12/10. (1 credit)

Directly supervised/Non-patient care

Min enrollment 1; Max enrollment 8

Location: Log on to online course at <http://D2L.arizona.edu>

Prerequisites: None

Goals: This is the third of 3 internet courses on substance abuse in the maternal and child health (MCH) population. This course focuses on alcohol and tobacco use as the most prevalent substance use/abuse problems encountered in health care and public health MCH practice. Course content addresses the effects of alcohol and tobacco in infants and children from four perspectives: biological; epidemiology, social and economic effects; screening and intervention; program development and evaluation. The course goal is to better prepare healthcare and public health students and professionals to address alcohol and tobacco effects in adolescents.

Format: This 5-week course is a combination of independently completed online course assignments, assigned readings, and online discussions on class assignments with the course instructor. Completion of Web-based core course content (approx 10 hours); Discussion board assignments (30-45 min/week); weekly quizzes; assigned readings (30-60 pages/week).

Evaluation: Evaluation of students will be based on performance on each of the course components including a short research paper and a final exam.

FCM 599/899A - Independent Study in Family and Community Medicine

Dr. R. Pust & Faculty (for more details contact Rosalind Fair, Year IV elective coordinator – 626 7865)

2 to 8 wks; Shorter period only with prior approval of R. Pust, MD.; maximum of 8 wks; offered year round

Directly supervised/Patient care or non-patient care.

Prerequisites: Faculty sponsor; consent of course coordinator via faculty sponsor. (Student is to submit description of proposed study to Dr. Pust (via Rosalind Fair, FCM room 206B) and the designated FCM faculty sponsor for approval, before registering or beginning the project.)

Goals: The goal of FCM Independent Study is the mastery of a specific content or skill area within the broad confines of Family Practice and/or Community/Public Health. FCM 599/899A is reserved for content/skills not offered through other FCM or College of Medicine electives, whether clinical or non-clinical. A faculty sponsor must be chosen (from within the FCM full-time or volunteer faculty) for expertise in the specific study topic.

Format: May be full- or part-time for a period of 2-8 wks. If part-time, FCM faculty will determine total weeks of credit by multiplying the number of weeks enrolled by percent of time spent in FCM 599A/899A during those enrolled weeks. Our preference is for full-time independent study.

Evaluation Methods: As arranged by sponsor and course director prior to approval of FCM 599A/899A. FCM faculty utilizes standard College of Medicine forms to evaluate students.