

SENIOR ELECTIVE FORM

Department: Interdisciplinary (MED)

Elective Title: International/Developing Nation Medicine (9008)

Campus: All Campuses **Location of Elective:** Chimbote, Peru

Course Director: Stephen Tinguely, M.D.

Periods offered: One period annually to be determined by the preceptors and the Friends of Chimbote Director. Students must contact Dr. Stephen Tinguely prior to selecting this elective.

Number of Students: To be determined annually by Dr. Stephen Tinguely. Participant selection is in part determined through an application process and review by the Friends of Chimbote Mission Director.

Special Considerations: Spanish language proficiency desired by not required.

Purpose: To provide education and experience in the unique challenges and strategies of health care delivery for people living in a developing country.

Unique responsibilities of elective:

1. **Expenses:** The student is responsible for all travel expenses, meals, personal safety and health.
2. **Immunizations:** The student is responsible for ensuring that all needed immunizations for this international experience have been acquired.
3. **Travel arrangements:** Air travel to and from Peru is the responsibility of the student. The Friends of Chimbote (FOC) volunteer coordinator will assist in making in country travel arrangements at least two months prior to the anticipated dates of travel. The student is expected to get all the requested information to the FOC volunteer coordinator at the scheduled times.
4. **Liability:** As a student in good standing at the UNDSOMHS, medical liability is covered by UND. Personal liability is the responsibility of the individual student.
5. **Travel insurance:** The student is responsible for travel insurance.
6. **Required Preparatory course:** All students participating in an international educational experience must audit and show completion of the following online course:

<https://www.edx.org/course/practitioners-guide-global-health-bux-globalhealthx>

LCME required statements for international study:

1. Potential risk to the health and safety including waterborne and foodborne infectious diseases, unlikely exposure to tuberculosis, and traffic injuries should be considered.

2. Availability of emergency care is not similar to the United States. Care for acute illness needs is available within the city of Chimbote but is not considered at the same level as students would be accustomed to in the United States.
3. Students need traveler's insurance to ensure evacuation out of Peru and back to the United States if severe illness or injury should occur. The health care needs of the students will be supported by the volunteer coordinator at the mission who will help the student navigate the Peru healthcare system when needed.
4. Chimbote, Peru is on the Pacific coast and is susceptible to earthquake. Peru is currently politically stable.
5. With regard to the need for additional preparation prior to, support during and follow-up after elective the student should refer to the Friends of Chimbote website and volunteer information. The preceptors and the on-site volunteer coordinator assist in the necessary preparation prior to travel and assist with the daily needs during the elective experience. The elective director will assist with any post elective issues and follow up.
6. The onsite volunteer coordinator will help supervise the various learning experiences during this elective. These experiences may include time spent with the local physicians and nurses at a local city hospital, with a local physician and nurses in a hospice program, with a mission social worker and volunteer coordinator making in-home visits.
7. No potential challenges to the Code of Medical Ethics of UNDSMHS have been identified.

Objectives: Following successful completion of this elective, the student will be able to:

1. Evaluate health care needs among a population of underserved and impoverished people residing in a developing country.
2. Report to the elective director established methods of providing basic health care by local health care providers and compare to health care delivered in the United States.
3. Perform and report a health care needs assessment survey and evaluation at the location of the elective.
4. Construct an implementation plan to meet one practical local health care need at the location of the elective.
5. Compare and contrast the US health care system with that of a developing country.
6. Define the meaning of volunteerism.
7. Report firsthand experience of living and working in an impoverished community and how this influences the student's understanding of what makes a "good doctor".
8. Report the pros and cons of medical missionary work and cite how, and in which circumstances, this type of work is successful, cost effective and of high value to those the work is intended to help.

Instructional Activities: During this elective, students will be involved in/experience:

1. Assisting as directed in the provision of healthcare at the level of an undergraduate medical student with supervision in the following settings in Chimbote, Peru: inpatient and in home hospice program; in-home chronic healthcare visits; and inpatient and outpatient care at a city hospital.

Criteria for grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Assess the quality of student's needs assessment survey and action plan.
3. Utilize feedback from mission leaders regarding the quality of the student's participation.