

Title of Clerkship:	Clinical Training for MD/PhD Elective
Elective Type:	Clinical Election Rotation (4 th year elective) during Graduate Research Years
Department:	Various
Clerkship Site:	The University of Toledo Medical Center and affiliated sites
Course Number:	INDI 745
Blocks available:	N/A
Number of Students per Block:	N/A
Faculty:	Various UTCOMLS and volunteer faculty
Elective Description/ Requirements:	<p>MD/PhD students will identify a clinical mentor. The process for selection of the mentor and approval of the MD/PhD Student Clinical Training Agreement will be under the direction of the MD/PhD Program Director. The Clinical faculty mentor will be responsible for the clinical training program for the student, and will provide formative and summative feedback concerning the development of clinical skills and a foundation for subsequent clinical clerkship training. The clinical mentor may change during the course of the student's graduate school years, but any changes should occur after the end of the semester. Students may choose a clinical mentor from any department, the following specialties may be particularly suited to training MD/PhD students have limited prior clinical training and restricted hours of availability.</p> <p>Internal Medicine, Emergency Medicine, and Family Medicine</p> <p><u>Student time commitment:</u> Students are expected to spend 8 hours per month in clinical training. This can be divided into weekly 2 hour sessions, biweekly 4 hour sessions or an 8 hour day per month. Students are encouraged to discuss the most appropriate schedule with their laboratory mentor to ensure that the clinical experience does not interfere with graduate coursework or research progress. The program should be formalized in writing, and the MD/PhD Student Clinical Training Agreement submitted to the MD/PhD Director for approval. Student should see about one patient per hour of training. Students should keep a log of their patients, their diagnoses, and any procedures performed.</p> <p><u>Credit:</u> Upon completion of 3 years of graduate training, assuming 40 weeks per year of participation, students will have accumulated about 300 hours of clinical experience. This is approximately equivalent to 2 months of clinical electives (8h/d X 5 d/w x 4= 160 h/mo) and students will be awarded 2 months of 4th year clinical elective credit for this training upon re-enrolling in the College of Medicine. This credit should allow further flexibility in 4th elective scheduling, enabling additional research months, off site rotations, etc. If students require more than 3 years of graduate work, continued participation in the clinical training program is strongly encouraged, but no more than 2 months of electives will be awarded.</p>

Length of Clerkship:	See above in description
Links to EPOs:	Educational Course Objectives:
PC-1, PC-2, PC-3, PC-4	1. Develop history taking and physical examination skills.
IPC-1, IPC-2	2. Describe how to present a cogent history and physical to an attending.
PC-6, PC-7	3. Present the differential diagnosis, diagnostic work-up and management for common medical problems.
MK-2, Mk-3, MK-4, MK-5	4. Relate patient presentations and treatments to basic pathophysiology and pharmacology.
Professionalism:	UTCOMLS students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Education Course Objectives for the Sponsoring Department.
Instructional Methods:	Student interviews and examines patients, followed by presentation to faculty and clinical teaching on each case. Additional reading or write-ups at the discretion of the clinical mentor.
Evaluation methods employed:	Students are expected to keep a log of their patients, their diagnoses, and any procedures performed. The log serves to document student work hours. Their clinical faculty mentor will evaluate students on their clinical performance. Students will undergo formative evaluation on a monthly basis, documented by a brief form signed by both the mentor and the student. This feedback will not be used for grading purposes. Summative evaluation will occur twice yearly by the clinical mentor and shared with the Office of Undergraduate Clinical Education, Office of Student Affairs, and to the MD/PhD Director(s). This form will assess Cognitive/Performance Skills (ability to perform history and physical and present cases to an attending) and Professionalism (promptness and consistency of attendance, appropriate attire, etc.). Students lacking repeatedly in these areas will not receive elective credit for their rotation. The student will receive a copy of this evaluation and should discuss any issues with the clinical mentor. The Director(s) of the MD/PhD program, the Office and Student Affairs, and the Office of Undergraduate Clinical Education will keep copies of the records of student participation and performance evaluation.
Prerequisites:	Successful completion of all preclinical coursework and passing Step 1 of the USMLE examination. MD students and MD graduates who have met the prerequisites and are not in the MD/PhD program may also register for the MD/PhD elective must have the Clinical Mentor approved by the Clerkship Director and receive approval prior to registering for the MD/PhD elective. The MD student would register as a non-degree seeking graduate student.
Clerkship Director:	Dr. Juan Jaume will organize the rotation for all MD/PhD students. The chosen Clinical Mentor will be responsible for the quality of the educational experience and evaluation of student performance.