

Faculty In Charge Of Course:	Charles D. Ericsson, M.D.
Participating Faculty:	Drs. Barbara E. Murray, Roberto Arduino, Ben Barnett, Luis Ostrosky, Jordan Lake, Rodrigo Hasbun, Karen Vigil, William Miller, and Cesar Arias
Location:	Memorial Hermann Hospital
Offered:	Blocks 1-8, 10, 11, & 13
Max. # Students/Period:	2

Course Objective

Material Covered:

- To become familiar with the basic concepts of microbial-host interactions. To be able to prepare a differential diagnosis, develop a diagnostic approach for, and know the appropriate therapy for the patient with: osteomyelitis, meningitis, endocarditis, carditis, pulmonary infection, upper respiratory infection, sepsis, urinary tract infection, pelvic infection, cellulitis, fever of unknown origin, syphilis, gonorrhea and hepatitis.
- To obtain a working knowledge of antimicrobial therapy as applied to office practice, hospitalized patients, and the compromised host. To understand the processing of specimen for culture, including blood, urine, pus, cerebral spinal fluid, and sputum. To become familiar with how the laboratory identifies bacterial pathogens including Group A Streptococcus, Staphylococcus aureus, Hemophilus influenza, Escherichia coli, Pseudomonas, Salmonella, and Shigella.
- To determine the value and limitations of anaerobic bacteriology and clinical virology. To understand the limitations of and how to use antimicrobial susceptibility tests and serum bactericidal titers.
- To become familiar with the medical problems of travelers including malaria, travelers' diarrhea, AIDS, tuberculosis, jet lag, altitude sickness, and immunizations for international travel. (optional)
- To become familiar with the principles of hospital infection control, hospital epidemiology, and universal precautions. (optional)

Skills Acquired:

The student will become proficient in performing and reading his/her own Gram stain of relevant clinical material.

Course Objective / Activities Of Elective

Number Of New Patients/Student/Week: 5

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques:	Faculty
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Fellows and attendings
Does student see ambulatory patients:	Yes (optional)
Performs or observes Procedures:	Yes

Procedures	Observe	Perform
Gram Stain	X	

Scheduled Duties Of Student:

Presents patients to preceptor or attending physician:	Yes
Weekly schedule of required teaching sessions:	Daily teaching rounds at Hermann hospital on in-hospital consultations. Combined Adult/Pediatric Infectious Disease Conference on Friday and Medicine Grand Rounds on Thursday. Combined University of Texas/Baylor Infectious Disease Conference on Wednesday. ID core curriculum lectures each Thursday. Lab review and data collection sessions in the Microbiology Laboratory Monday through Friday.
	Optional Journal Club/research conference each Monday at 1PM.

Describe Optional Rounds And Activities, If Any:

Interested students can join Dr. Ostrosky investigating hospital out-breaks as they might arise. Students may also join Dr. Ericsson in evaluating ID outpatients on Tuesday morning. Likewise, students may spend a morning at the travel medicine clinic with Dr. Ericsson (Thursday).

Other Required Activities:

Reading/Review of Current Literature:	Yes
Writing or Presenting A Paper:	No

How Is Student Evaluated:

Daily contact with attending and fellow.

Who Evaluates Students:

Faculty and fellow

Unique Features Of This Elective:

- This rotation combines in-hospital consultative experience with optional out-patient evaluation of infectious diseases problems. Students will also be exposed to the disciplines of travel medicine and hospital infection control. Students are expected to contribute to teaching sessions by finding and presenting "facts for the day" on teaching rounds.
- The seminar sessions will provide an opportunity for students on this elective to learn about both adult and pediatric infectious diseases and allow the students the opportunity for individualized answers to questions.
- There is no night call. Students are free of all patient responsibilities at least one weekend day per week.