ID Fellows' Didactic Curriculum
2006-2009

- This manuscript outlines ~120 lecture curriculum. Ten of these lectures will be repeated on a yearly basis for the new fellows because they are considered essential (marked with an asterisk). That leaves ~110 additional lectures in this curriculum to be given over a three year period. There are ~40 Monday noon conferences available for didactic lectures per year.
- There are three projects (games) that are included in the 120 lecture curriculum. These games are actually projects which will promote critical thinking and further discussion about pertinent global ID issues.
- The goal of this curriculum when finalized will be to prepare ID Fellows for the Infectious Diseases Specialty Boards and the Certificate of Knowledge Examination in Clinical Tropical Medicine and Travelers' Health

	5.2.1.2 Lymphatic filiriasis	(Kazura)
	5.2.1.3 Intestinal Nematodes	(Salata)
	5.2.1.4 tissue Nematodes	(CH King)
5.2.2	Cestodes	
	5.2.2.1 tissue/intestinal cestodes	(Blanton)
	5.2.2.2 hydatid disease	(CH King)
5.2.3	Trematodes	
	5.2.3.1 Schistosomiasis	(Weist)
5.2.4	Drugs for Helminth Infections	(Blanton)

7.0 Fevers

6.1 Fevers of Unknown Origin	(Salata)
6.2 Fever and Rash	(Donskey)
6.3 Eosinophilia	(TBA)

8.0 Hospital-acquired Infections

7.1 sepsis/sepsis syndrome*	(Salata)
7.2 needlesticks*	(Hanrahan)
7.3 surgical wound prophylaxis	(Hanrahan)
7.4 catheter/intravascular device related infect*	(Stiefel)

9.0 Infections in the Elderly

8.1 treatment of UTIs/asymptomatic bacteruria	(TBA)
8.2 influenza	(Armitage)

10.0 HIV

9.1 Acute HIV infection and initial management	(Gripshover)
9.2 Antiretroviral Therapy*	(Yadavalli)
9.3 Toxic complications of HAART	(McComsey)
9.4 Antiretroviral resistance*	(Gripshover)
9.5 Opportunistic pulmonary infections	(Johnson)
9.6 Opportunistic CNS infections	(Kalayjian)
9.7 AIDS-associated malignancies	(Remick)
9.8 Immune reconstitution syndrome	(Lederman)
9.9 HIV: origins, timeline, and global perspective	(Yadavalli)

11.0 Bioterror/Emerging Infectious Diseases

10.1 Bioterrorism (Anthrax, smallpox, botulism)*	(Wendt)
10.2 Zoonoses (Brucellosis, tularemia, plague, hantavirus)	(Lisgaris)
10.3 Borrelia species and Leptospirosis	(TBA)
10.4 Rickettsial diseases	(Lisgaris)
10.5 Lyme, babesia, ehrlichia	(Lisgaris)
10.6 SARS/avian flu	(Hanrahan)
10.7 viral hemmorhagic fevers	(Blanton)
10.8 rabies	(Hecker)
10.9 Smallpox and monkeypox	(TBA)

10.10 Emerging infectious diseases	(CH King)

11.0 Systemic Mycoses

11.1 systemic mycoses	(kalayjian)
11.2 cutaneous mycoses	(Ghannoum)
11.3 treatment of candiuria/candidemia	(TBA)
11.4 antifungals*	(Bobak)

13.0 Mycobacterial Diseases

12.1 latent and active TB infection	(Boom)
12.2 extrapulmonary TB/TB meningitis	(Curley)
12.3 atypical mycobacterial infections	(Curley)
12.4 Leprosy	(Heinzel)
12.5 HIV/TB	(Whalen)

14.0 CNS Infections

13.1 Acute meningitis*	(TBA)
13.2 Chronic meningitis	(Gripshover)
13.3 Brain abscess/epidural abscess	(Fulton)
13.4 Encephalitis (including WNV, HSV)	(Lisgaris)
13.5 Eye Infections	(Lisgaris)

15.0 Mononucleosis-like Syndromes

14.1 Mononucleosis-like syndromes (EBV, CMV, HSV, HIV)	(TBA)

16.0 Pneumonia

15.1 Community-acquired pneumonia	(Armitage)
15.2 Nosocomially-acquired pneumonia	(Johnson)
15.3 Atypical pneumonia (legionella, mycoplasma)	(Fulton)

17.0 Infective Endocarditis

16.1 Infective Endocarditis	(Hecker)
16.2 Treatment of subacute endocarditis (strep/enterococcus)	(Donskey)
16.3 Rheumatic Fever and antibiotic prophylaxis	(TBA)
16.4 Chagas Disease	(TBA)

18.0 Viral Hepatitis

17.1 viral hepatitis	(Rodriguez)
17.2 treatment of viral hepatitis	(Bobak)

19.0 Infectious Diarrhea

18.1 Infectious Diarrhea	(Wiest)
18.2 C. diff colitis	(Donskey)

20.0 STDs

19.1 Urethritis (Gonorrhea/Chlamydia)	(Avery)

19.2 Genital Ulcer Disease (Avery)
19.3 Syphilis (Avery)

21.0 Skin/Bone/Joint Infections
20.1 Osteomyelitis/septic arthritis (Hecker)
20.2 prosthetic joint infections* (Armitage)
20.3 Cellulitis/necrotizing soft tissue infections (Rodriguez)

22.0 immunosuppressed(Transplant/chemotherapy) Infections
21.1 solid organ transplant Infections (TBA)
21.2 bone marrow transplant Infections (TBA)
21.3 pulmonary infections in transplant patients (TBA)
21.4 CNS infections in Transplant patients (TBA)
21.5 Febrile neutropenia* (Bonomo)
21.6 Infections in patients on immunomodulators (Stiefel)

23.0 Antibiotic Issues
22.1 MRSA (Rice)
22.2 VRE (Donskey)
22.3 ESBL/antibiotic resistance in gram neg. bacteria (Bonomo)
22.4 Penicillin Allergy (Hong)
22.5 Outpatient IV antibiotics (Helm)

24.0 Travel-related
23.1 Medicine/vaccines for departing travelers (Bobak)
23.2 Concerns in the immunosuppressed/special needs traveler (TBA)
23.2 Fevers in the Returning Traveler (Armitage)
23,3 Dengue/yellow fever (Blanton)
23.4 salmonellosis/typhoid fever (TBA)

25.0 Prion Diseases
24.1 Prion diseases (TBA)

26.0 Other Diseases and Conditions
25.1 Environmental Stress
25.1.1 Infections related to burns/cold exposure (TBA)
25.1.2 High altitude and air travel (Strohl)
25.1.3 Malnutrition (Kerr)
25.2 Plants and Animals
25.2.1 Animal-human bites (TBA)
25.2.2 Venomous Bites and Stings (TBA)

27.0 Approach to Clinical Syndromes
27.1 Tropical dermatology (TBA)
27.2 Tropical hematology/oncology (Remick)
27.3 Tropical Gynecology/obstetrics (Beigi)

27.4 Tropical Surgery (Morikawa)
27.5 Tropical Cardiology (Ortiz)
27.6 Tropical Radiology (TBA)
27.7 Tropical Opthalmology (Pearlman)

28.0 <u>Epidemiology and Control of Disease</u>
28.1 Overview of study designs (Tisch)
28.2 Control of Epidemics (TBA)
28.3 Principles of Surveillance (Tisch)
28.4 Water Management/Sanitation (Morikawa)
28.5 Ethics in International Health Research (Loue)
28.6 TB Control in Haiti (Daniels)
28.7 AIDS-African Perspective (Whalen)

29.0 <u>Self-Examination Questions</u>
29.1 Preparation for the ASTMH exam (Charles King)

30.0 <u>Games</u>
30.1 Global Health Game (Charles King)
30.2 Malaria Control Project (Charles King)
30.3 Afghanistan Game (Morikawa)
30.4 Famine and drought case study (Morikawa)

Abrreviations:
TBA = To be Announced