Infectious Disease and Global Public Health

Biology 402

Spring Semester 2010
Tues, Thurs 2:00-3:15 pm
Wilson Hall 128

**Syllabus** make sure you download the lecture goals before each class!
(the syllabus will be updated as the semester proceeds so check back occasionally)

Also make sure to look for dates when we will discuss book readings and research papers!

Reading assignments are from *Mountains Beyond Mountains* by Tracy Kidder and from assigned primary research papers.

Date: Lecture:
Jan 12 An introduction to Global Public Health (MP)
Jan 14 A Brief History of Haiti (MP)
Jan 19 Introduction to Tuberculosis/First Book Discussion (MP)
  Mountains Beyond Mountains, Part I pp. 1-44
Jan 21 The TB bug (MP)
Jan 26 TB treatment, Part 1/First Paper Discussion (MP)
Jan 28 TB treatment, Part 2 (MP)
Feb 2 Conjugative DNA transfer and antibiotic resistance (MP)
Feb 4 HIV and AIDS (BD)/Second Book Discussion
  Mountains Beyond Mountains, pp. 45-95
Feb 9 Exam (Material through Feb 2)
Feb 11 HIV and AIDS continued (BD)
Feb 16 An introduction to retroviruses (BD)
Feb 18 Developing antiretroviral drugs Part 1 (BD)
Feb 23 Developing antiretroviral drugs II (BD)
Feb 25 The economics of treating HIV world-wide and Access to Essential Drugs as part of the fulfillment of the to Health (MP)
March 2 How HIV evades the immune response (BD)
March 4 Exam (Material through March 2)

March 6-14 Spring Break

March 16 HIV and Immunity Continued (BD)

March 18 HIV and Immunity continued (BD)

March 23 Kathy Walmer, RN, MSN, CPNP, Executive Director, Family Health Ministries [www.familyhm.org]
“The Challenges in Delivering Culturally Appropriate Healthcare in Low Resource Countries”

March 25 Sessions devoted to student presentations

March 30 Student talks continued

April 1 Student talks continued

April 6 Student talks continued

April 8 Student talks continued

April 13 Student talks continued

April 15 Student talks continued

April 20 Intro to Malaria and Paper Discussion (MP)

April 22 Managing Malaria through immunity and drugs and Paper Discussion (MP)

April 27 Hope and challenges of an HIV vaccine (BD)

Final Thursday May 6 12:00 noon = Exam 3 (Covers March 16-April 27)

last updated 1/06/2010