

Course Syllabus Fall Semester 2006

PubH 209-21 Issues in HIV Care & Treatment The George Washington University School of Public Health and Health Services

Course Title: Issues in HIV Care & Treatment (PubH 209-13)
Time: Tuesdays; 4:10 pm – 6:00 pm (starting October 24, 2006)
Location: Himmelfarb Library, Room 202
Credits: 1.0

Professor: Veronica Miller, PhD, Associate Research Professor,
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Course Description:

This course will provide an overview and in depth consideration of some of the major issues in treatment of HIV disease, including the assessment of efficacy and effectiveness, drug resistance, monitoring of drug toxicity, special populations, the interrelationship between treatment and prevention, and quality of care. The course has been designed with an interdisciplinary audience in mind. In discussions and assignments, students will be able to emphasize their own area of interest and/or expertise (e.g. epidemiology, policy, etc).

Course Objectives:

After completing the course, student should be able to:

- describe and discuss the major issues involved in HIV treatment,
- understand the process of evaluating treatment effects, including response, toxicity, adherence, drug resistance
- identify the issues associated with use of randomized clinical trials and observational cohorts
- identify and critically discuss issues for specific populations
- understand the critical elements of quality of care
- critically read and discuss HIV treatment literature

Course grading:

Class attendance and participation:	20%
Short paper or presentation:	30%
Two short quizzes:	50%

Students will be asked to research a specific topic in HIV treatment independent of the lectures, and either, write a succinct 5-6 page paper or prepare a 10 minute presentation. The topic should be related to the themes discussed in class, but not actually covered in the lectures. Papers will be due at class time, December 6, 2005. Presentations will be scheduled for December 13, 2005, and if required, at the beginning of class on December 6 and November 29, 2005.

The quizzes will be handed out after class (3) and class (7) and are due the following week at class time.

Required reading:

Reading assignments will be posted on Blackboard. Students are asked to complete the reading assignments prior to each class and be prepared to discuss the contents.

Code of Academic Integrity:

All graded work products and assignments are to be completed in conformance with the University's Code of Academic Integrity. Students are strongly encouraged to read the code (<http://gwired.gwu.edu/policies>; click on Guide to Student Rights and Responsibilities, click on Code of Academic Integrity). Papers and quizzes must be completed independently.

Blackboard:

Blackboard will be used for overall communications with the class. Please note that the syllabus will be updated periodically. Students should check updates periodically.

COURSE SCHEDULE

Class Date	Class Topic	Reading Assignments (to be completed prior to class) * Required Reading # Suggested Reading	Assignments
(1) 10/24	Introduction to course Basics of HIV Treatment: antiretrovirals, mechanisms of action, combination therapy, overview of major issues	none	
(2) 10/31	Assessing Efficacy and Effectiveness; Definition of Treatment Failure	*FDA guidance document (http://www.fda.gov/cder/guidance/3647fnl.doc) *Treatment Guidelines: DHHS Guidelines http://aidsinfo.nih.gov/guidelines/default_db2.asp?id=50 OR IAS-USA guidelines: http://www.iasusa.org/pub/arv_2004.pdf Struble K et al AIDS 2005 (e-reserve requested)	
(3) 11/7	HIV-1 Drug Resistance: Transmitted resistance; development on treatment; clinical relevance and applications; in drug development and approval	Update of the Drug Resistance Mutations in HIV-1:2005 http://www.iasusa.org/pub/topics/2005/issue1/51.pdf Phillips et al: AIDS. 2005 Mar 25;19(5):487-94 (e-reserve requested) Little SJ et al: http://content.nejm.org/cgi/content/abstract/347/6/385	Hand-out Quiz 1
(4) 11/14	Treatment and Prevention: Role of treatment setting for prevention, treatment as a form of prevention; prevention of	*Vermund: Prevention of MTCT of HIV in Africa; on www.iasusa.org December 04 #WHO Report: Effectiveness of first district-wide program for pMTCT (Coetzee et al) http://www.scielosp.org/pdf/bwho/v83n7/v83n7a08.pdf	Quiz 1 due

	mother to child transmission* Guest Lecturer: Dr. Alan Greenberg		
(5) 11/21	Populations: Sex, Gender, Race, Ethnicity, Risk Groups; Pediatrics Guest Lecturer: Dr. Natella Rakhmanina (TBC)	*KFF Fact Sheets: http://www.kff.org/hivaids/upload/Fact-Sheet-Latinos-and-HIV-AIDS-UPDATE.pdf http://www.kff.org/hivaids/upload/Fact-Sheet-African-Americans-and-HIV-AIDS-UPDATE.pdf *Forum Report: Integration of buprenorphine into HIV primary care http://www.hivforum.org/uploads/Buprenorphine.pdf	
(6) 11/28	Drug Toxicity in HIV	*Bisson G et al (AIDS 17:2407) available free online www.aidsonline.com *Complications of HIV Disease and Antiretroviral Therapy: http://www.iasusa.org/pub/topics/2005/issue1/16.pdf #Cardiovascular Risk Report (from www.hivforum.org ; #What defines lipodystrophy? www.hivforum.org go to projects; past projects; making sense of lipodystrophy; roundtable report	
(7) 12/5	Treatment Access – global programs; guidelines: domestic and abroad;		Hand-out Quiz 2
(8) 12/12	Presentations; quiz discussions; wrap-up	none	Quiz 2 due