

AIDS: Science and Society

BICD 136

Summer 2015

Instructor:

Cindy Gustafson-Brown (Dr. Gus)
Office: Humanities and Social Sciences 1145E
Phone: 534-4242
email: cgb@ucsd.edu (Put **BICD 136** in the subject line!)
office hours: Tuesday 5:05 PM, Solis 110
Wed 1:45-2:35, HSS 1145L

Please present your questions about course material in person during office hours, not by email. I cannot guarantee an answer to your email, unless it is an urgent issue.

Course description

Introduction for biology majors to the AIDS epidemic: epidemiology, biology, and clinical aspects of HIV infection; HIV testing and therapy; and the personal, social, economic and legal impacts of AIDS on the individual and society. Prerequisites: BILD 1 and BILD 2.

Book

HIV/AIDS Pandemic: Origins, Science, and Global Impact, second edition ©2014
published by Cognella Academic Press, distributed by University Readers

Copies will be available on reserve at the Biomedical Library. *Be aware that the library will close early at 3 PM on Thurs, July 2 and will be closed Fri and Sat, July 3 and 4!*

Discussion sections

There will be 5 discussion sections per week, each meeting on Tues AND Thurs.

Section	Days	Time	Location
A01	Tues/Thurs	11-11:50 AM	CENTR 220
A02	Tues/Thurs	12-12:50 PM	CENTR 220
A03	Tues/Thurs	1-1:50 PM	CENTR 220
A04	Tues/Thurs	5-5:50 PM	CENTR 220
A05	Tues/Thurs	6-6:50 PM	CENTR 220

You will enroll in sections using <https://sections.ucsd.edu/>
Enrollment will open Mon evening, June 29, at 8 PM.

In section you will view a film, review the lecture material and/or discuss the readings. There will be closed-book quizzes in section as scheduled below.

Sections will start on Thurs, July 2.

Formats for discussion sections

Tues, June 30	no section	
Thurs, July 2	film: <i>AIDS in Africa</i>	(you may attend any section today)
Tues, July 7	quiz 1 on reading, pages 3-106	(26 pts)
Thurs, July 9	quiz 2 on reading, pages 117-205	(26 pts)
Tues, July 14	quiz 3 on reading, pages 209-224, 395-425	(26 pts)
Thurs, July 16	review for midterm	(You may attend any section before lecture. Evening sections cancelled)
Tues, July 21	quiz 4 on HIV structure	(45 pts)
Thurs, July 23	quiz 5 on HIV life cycle	(45 pts)
Tues, July 28	quiz 6 on reading, pages 267-335	(26 pts)
Thurs, July 30	quiz 7 on reading, pages 337-391	(26 pts)

Films

Most films will be available for viewing through digital reserves (streaming). The password is **CG136**.

There is a “Films” page on the course web site, with outside links to some of the films. There is also a link to digital reserves.

You *must* access digital reserves from a the UCSD protected network or use a VPN. If you are prompted for a username, then you are not within the UCSD network and are not using a VPN. There is a link on the “Films” page of the class web site with instructions for setting up a VPN.

Required films:

1. *A Closer Walk* (2003) 80 min (shown in lecture July 2)
Profiles the impact of the AIDS epidemic in many countries.
2. *AIDS in Africa* (2000) 55 min (shown in discussion sections July 2)
Describes the impact of the AIDS epidemic in Zimbabwe.
3. *The Age of AIDS* (2006) 4 hours
History of the epidemic, in the U.S. and abroad.
www.pbs.org/wgbh/pages/frontline/aids/
4. *Endgame – AIDS in Black America* (2012) 2 hours
Describes the impact of HIV/AIDS on African-Americans.
<http://www.pbs.org/wgbh/pages/frontline/endgame-aids-in-black-america/>
(This film is **not** available through UCSD library. Access PBS directly.)
5. *Dealing with the Demon, part 3* (1997) 50 min
Preventing the spread of HIV among IV drug users.

Optional films, available either through UCSD digital reserves, or online elsewhere:

6. *And the Band Played On* (1993) 140 min
Dramatic depiction of early history of the AIDS epidemic.
<http://vimeo.com/24278884>
7. *A Time of AIDS, part 1: The Zero Factor* (1992) 1 hour
Early AIDS epidemiology, as the CDC tried to discern the nature of this new disease
8. *State of Denial* (2003) 80 min
The struggle in South Africa for access to ARV's
9. *Blood of Yingzhou District* (2006) 40 min
Documentary on the AIDS epidemic in rural China
10. *The Lazarus Effect* (2010) 32 min
The positive impact of free antiretroviral therapy on HIV/AIDS patients in Africa
http://www.youtube.com/watch?v=116YH6xCN4c&playnext_from=TL&videos=9MDIVWaMB7g&feature=featured

Exams

Exams and quizzes will be closed-notes/closed-book, primarily short answer with a few true/false, multiple choice, and short essay questions. You will be accountable for **all material covered in lecture and all required reading**.

There will be exam questions pertaining to the **required films** (available online). There will not be exam questions about the presentations by HIV-positive guest speakers. The final exam will be comprehensive, with emphasis on the last part of the course.

BRING STUDENT ID. It will be checked at the exam.

You must write in nonerasable pen and avoid using white-out in order to be considered for a regrade. Your handwriting must be legible; we will disregard answers which cannot be deciphered.

Old exams will be posted on the course web site. **Review sheets** will be posted on the web site shortly before each exam, and the TA's will conduct **review sessions** the night before each exam:

1st review session Wed, July 15, 7-8:20 PM

2nd review session Fri, July 31, 7-8:20 PM

Graded midterms will be available in the hallway of HSS 1145 (if you sign the waiver). Note that the external doors are locked after business hours. Graded final exams may be viewed by appointment with Dr. Gus, but may not be taken home.

Missed exams

If you must miss an exam, you will be required to provide official documentation of an unavoidable emergency (e.g. serious illness, etc.). Without such documentation there will not be a make-up test, and you will receive a failing grade for that exam. Do not ask to reschedule an exam for any reason other than a *dire emergency*. In such a case an oral exam may be offered.

Regrades

Only exams written in non-erasable pen will be considered for a regrade, and white-out may not be present on such exams. If an error has been made in the grading of your exam, you may submit it to Dr. Gus for a regrade *within 3 days* of when they are returned. Do not go to a TA for a regrade, although you should have one of them explain the answer to you before you come to me. Your midterm or final exam must be submitted with a *written* description of the grading error. I will not entertain discussions of such appeals before they are made in writing. I will consider *no more than three* “potential” errors per exam. If I think the TA was too generous grading it, for the sake of accuracy I reserve the right to *lower* your score. Finally, it is critical that you *read the key* before submitting your regrade. It will be posted on the web site when the graded exams are distributed.

Course grade

This course will be graded on a curve. The class average will be at the B-/C+ boundary.

2%	20 points	Attendance when special speakers come to class
22%	220 points	Quizzes
26%	260 points	Midterm
50%	500 points	Final exam

The quiz scores will be normalized to account for differences in difficulty level between sections.

Cheating

Students are expected to do their own work, as outlined in the UCSD Policy on Academic Integrity. Cheating will not be tolerated, and I will fail any student caught engaging in academic dishonesty. All exams will be closed-book and closed-notes, so all personal materials must be stowed under your seat. Only exams written in nonerasable pen will be considered for regrades. Exams will be photocopied for comparison with submitted regrades. Because all exams are required for satisfactory completion of this course, any student caught cheating on an exam will receive a failing grade for the course. He/she may also be suspended from UCSD.

Tentative class schedule

Date	Session	Topics	Required reading in <i>HIV/AIDS Pandemic</i>
Tues, June 30	1	Introduction; Why does AIDS matter? Global impact	pages 3-36 and 81-106 (49 pgs)
Thurs, July 2	2	film: <i>A Closer Walk</i> Statistical overview of AIDS epidemic	pages 39-77 and 117-152 (63 pgs)
Tues, July 7	3	Modern history of the AIDS epidemic Epidemiology	pages 155-205 (40 pgs)
Thurs, July 9	4	Guest speaker: Dr. Susan Little, HIV disease process Guest speaker: Dr. Erik Johnson: HIV origin, Does HIV cause AIDS?	pages 209-224, 395-425 (46 pgs)
Tues, July 14	5	Does HIV cause AIDS? The Immune System	pages 225-243 (16 pgs)
Thurs, July 16	6	MIDTERM (first half of class) Biology of HIV (second half of class)	page 247-255 (9 pgs)
Tues, July 21	7	Biology of HIV HIV testing	pages 256-272 (15 pgs)
Thurs, July 23	8	HIV transmission/Prevention	pages 275-335 (48 pgs)
Tues, July 28	9	Guest speakers – men with HIV HIV transmission/Prevention	pages 337-391 (47 pgs)
Thurs, July 30	10	Guest speakers – women with HIV HIV therapies	pages 429-474 (43 pgs)
Sat, Aug 1	--	FINAL EXAM (3-6 PM)	

On average, there are 75 pages of reading per week required during summer session. Plan ahead and pace yourself.

When reading material dense with numbers (e.g. statistics) do NOT focus on learning the numbers! Instead, focus on the trends. Think about what the numbers are telling you about what is happening in the world.

Numbers given in lecture supersede numbers in the reading.