

AIDS: Science and Society

BICD 136

Summer 2012

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 12:45 -1:35 PM and
5:10 until all questions are answered

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.

Books

HIV/AIDS Pandemic: Origins, Science, and Global Impact, first edition ©2013
published by Cognella Academic Press, distributed by University Readers

Copies will be available on reserve at the Biomedical Library.

Podcast

The class will be podcast through podcast.ucsd.edu.

Sections

There will be 8 sections per week, each meeting on Tues AND Thurs,
or Wed AND Fri.

You will enroll in sections using <https://sections.ucsd.edu/>

Enrollment will open Tues evening, July 3, at 8 PM.

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

Sections will start on Thursday, July 5.

Formats for discussion sections

Mon/Tues	July 2/3	no section
Wed	July 4	holiday
Thurs	July 5	film: <i>AIDS in Africa</i> (everyone welcome)
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Mon/Tues	July 9/10	quiz on reading (30 pts); discussion/review
Wed/Thurs	July 11/12	quiz on reading (30 pts); discussion/review
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Mon/Tues	July 16/17	quiz on reading (30 pts); discussion/review
Wed/Thurs	July 18/19	review for midterm (You may attend any section.) (Thurs 5 PM section cancelled.)
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Mon/Tues	July 24/25	quiz on HIV structure (50 pts)
Wed/Thurs	July 26/27	quiz on HIV life cycle (50 pts)
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Mon/Tues	July 31/Aug 1	quiz on reading (30 pts)
Wed/Thurs	Aug 2/3	review for final exam

Films

All films are available for viewing online through digital reserves AND at the **Film and Video Library** in the basement of Geisel Library.

There will be a “Films” page on the course web site with links to the films as soon as the library provides them. I will provide the password as soon as it is available. Also, you may access the films directly through the library reserves site.

You *must* access the films from a UCSD computer or use a VPN if you are off campus. If you are prompted for a **username**, then you are off campus and are not using a VPN. There will be a link on the “Films” page of the class web site with instructions for setting up a proxy or VPN.

Required films:

1. *A Closer Walk* (2003) 80 min (shown in lecture & online)
Profiles the impact of the AIDS epidemic in many countries.
 2. *AIDS in Africa* (2000) 55 min (shown in discussion sections & online)
Describes the impact of the AIDS epidemic in Zimbabwe.
 3. *The Age of AIDS* (2006) 4 hours (available online)
History of the epidemic, in the U.S. and abroad.
www.pbs.org/wgbh/pages/frontline/aids/
 4. *And the Band Played On* (1993) 140 min (available online)
Dramatic depiction of early history of the AIDS epidemic.
 5. *Dealing with the Demon, pt 3* (1997) 50 min (available online)
Preventing the spread of HIV among IV drug users.
- } covered on the midterm
- } covered on the final exam

Optional films on reserve:

6. *A Time of AIDS, part 1 (The Zero Factor)* (1992)
Early AIDS epidemiology, as the CDC tried to discern the nature of this new disease.
7. *A Time of AIDS, part 2 (The Hunt for the Virus)* (1992)
The race between Gallo and Montagnier to identify the causative agent
8. *A.B.C. Africa* (2005)
focuses on AIDS orphans in Africa
9. *State of Denial* (2003)
The struggle in South Africa for access to ARV's

Exams

The exams 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 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** before each exam.

Midterm review session	Wed, July 18,	6:30-8 PM	Solis 107
Final exam review session	Fri, Aug 3,	6:30-8 PM	Ledden Auditorium

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. Otherwise you may pick up your exam from your TA. 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, 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%	Attendance when special speakers come to class
22%	Quizzes
26%	Midterm
50%	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, July 3	1	Introduction Why does AIDS matter? Global impact	pages 3-34 and 89-122 (55 pgs)
Thur, July 5	2	film: <i>A Closer Walk</i> Statistical overview of AIDS epidemic	pages 37-85 and 125-168 (79 pgs)
Tues, July 10	3	Modern history of the AIDS epidemic Epidemiology, Origin of HIV	pages 171-221 (39 pgs)
Thur, July 12	4	Does HIV cause AIDS? The Immune System	pages 225-265 (36 pgs)
Tues, July 17	5	Biology of HIV	pages 269-286 (17 pgs)
Thur, July 19	6	MIDTERM (first half of class) HIV testing (second half of class)	page 289-293 (5 pgs)
Tues, July 24	7	HIV transmission/Prevention	pages 297-363 (53 pgs)
Thur, July 26	8	HIV transmission/Prevention AIDS disease process	pages 365-416 (44 pgs)
Tues, July 31	9	Guest speakers – men with HIV AIDS disease process	pages 417-441 (25 pgs)
Thur, Aug 2	10	Guest speakers – women with HIV Therapies	pages 445-480 (31 pgs)
Sat, Aug 4	--	FINAL EXAM (3-6 PM)	

On average, there are 77 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.

Tips for success in BICD 136

Come to class and sit in the front.

Review your notes within 24 hours of the lecture.

Even more effective: rewrite (outline) your notes within 24 hour of the lecture.

Review the PowerPoint slides in conjunction with your lecture notes.

Keep up with the reading (including the supplemental material). Pace yourself with a reading schedule. If you bump into material that is too technically challenging, *don't get bogged down*. Skip it (temporarily). Return to the most difficult material later. Write notes in your textbook.

Outline the important points as you read. This will help you remember the flow of information and contextualize the details.

Use a dictionary.

Take notes during the films. If you miss a film, view it at digital reserves. Watch it twice.

Study a little bit every day, or a few times per week. Repetition over time is the key to retaining information. Your goal is to establish new neural pathways in your memory and fire them often! Cramming does not accomplish this.

Study with other students, and choose those who are serious about academics.

Go to a discussion section. If a paper will be discussed, read it *before* going.

Go to the office hours of the TA's and the instructor. This will encourage you to review the material, in order to have questions to discuss.

Go to the review sessions.

If you are having academic difficulty, OASIS can help. They provide tutoring, as well as classes in study skills and time management. <http://oasis.ucsd.edu/>

If you are having personal difficulties, do not hesitate to seek help at Counseling and Psychological Services (which is free to students). They can help you get over many types of hurdles.

psychservices.ucsd.edu/resources_students_web/resources_students.html

Their self-help library covers many relevant topics, and can be accessed at psychservices.ucsd.edu/self_help_library_web/self_help_library_home.html