

AIDS Fundamentals (Fall 2019)



Course Objectives:

Since its identification in 1981, Acquired Immune Deficiency Syndrome (AIDS) has grown to become a major scientific and social challenge to our society. There is still no cure for the deadly disease, although our understanding and treatment of it continue to improve. At the moment, education is our best tool not only for stopping the spread of HIV, the virus that causes AIDS, but also for stemming the fear and misunderstanding that have arisen with the disease. *The general aim of this class will be to increase your understanding of HIV, AIDS, its manifestations, its prevention, and its direct and secondary effects on individuals and society.*

Instructor, Weeks 1-5:

Andrea Tenner (atenner@uci.edu)
Molecular Biology and Biochemistry
2228 McGaugh Hall
Office hours: Wednesday 4-5 PM weeks 1-5, or by appointment weeks 1-5

Instructor, Weeks 6-10:

Theodore K. Gideonse (t.gideonse@uci.edu)
Population Health & Disease Prevention
2014 Anteater Instruction & Research Offices
Office hours: Tuesdays 12pm - 2pm, weeks 6-10
Please sign up for a 20 minute slot during this time via [Dr. Gideonse's Google Calendar](#).
If you cannot make this time, please email Dr. Gideonse to make an appointment.

Teaching Assistants:

Jasper Liedtke (liedtkej@uci.edu)
Office hours: Thursday 11:30am-12:30pm in 1246 McGaugh Hall

Makena Ewald (mewald@uci.edu)

Office hours: Mondays 4pm-5pm 2120 in Biological Sciences 3

IEG Coordinator & Teaching Assistant:

Ivy Torres (irtorres@uci.edu)

IEG Location: NS1 2108

IEGs Times & Facilitators:

Day	Time	Discussion #	Facilitators
Monday	11:00am - 12:20pm	1	
Monday	12:30pm - 1:50pm	4	
Monday	2:00pm - 3:20pm	2	
Monday	3:30pm - 4:50pm	7	
Monday	5:00pm - 6:20pm	15	
Tuesday	11:00am - 12:20pm	3	
Tuesday	12:30pm - 1:50pm	23	
Tuesday	2:00pm - 3:20pm	6	
Tuesday	5:00pm - 6:20pm	8	
Wednesday	9:30am - 10:50am	22	
Wednesday	11:00am - 12:20pm	10	
Wednesday	12:30pm - 1:50pm	11	
Wednesday	2:00pm - 3:20pm	12	
Wednesday	3:30pm - 4:50pm	9	
Wednesday	5:00pm - 6:20pm	14	
Thursday	11:00am - 12:20pm	16	
Thursday	12:30pm - 1:50pm	18	

Thursday	2:00pm - 3:20pm	19
Thursday	5:00pm - 6:20pm	20
Friday	10:00am - 11:20am	5
Friday	12:30pm - 1:50pm	24
Friday	2:00pm - 3:20pm	21
Friday	3:30pm - 4:50pm	13
Friday	5:00pm - 6:20pm	17

Course information:

1. **Course Text:** H. Fan, R. Conner and L. Villarreal (2014) AIDS: Science and Society, 7th Edition, Jones and Bartlett Publishers. The book (9781284025514) can be purchased at the UCI bookstore and is also available as an ebook. Two copies of the text will be available on reserve in the Science library.
2. The instructors will occasionally provide updates to the material in the book during some lectures; *information from lectures will supersede information in the text*, for exam purposes. Some separate articles will be assigned for weeks 6-10. All will be posted on Canvas.
3. **Academic Honesty:** Please read the policies regarding academic honesty on the UCI website. Cheating, plagiarism, or any other form of academic dishonesty *will not be tolerated*.
4. **Electronic Devices:** Cell phones, laptop computers, and all other electronic devices must be off and stored out of sight during exams. The use of these devices during an exam is considered an act of academic dishonesty and will be dealt with accordingly.
5. **Email Policy:** Students must use their UCI email address to correspond with the instructors. Messages sent from non-UCI accounts (such as gmail accounts) will be ignored. Students who do not have an email account at UCI must register an email address with the instructors.
6. **Note:** To add or drop the class, or make changes in your discussion section, or change grade options (from P/NP to a letter grade, or from letter grade to P/NP) use WebReg until 4:00 p.m. on **October 11**. Also, the last day to change grade options (from P/NP to a letter grade, or from letter grade to P/NP) with *dean's approval and a \$3 fee* is **November 8, 2019**.

Course Objectives:

Since its identification in 1981, Acquired Immune Deficiency Syndrome (AIDS) has grown to become a major scientific and social challenge to our society. There is still no cure for the deadly disease, although our understanding and treatment of it continue to improve. Education is among the best tools not only for stopping the spread of HIV, the virus that causes AIDS, but also for stemming the fear and misunderstanding that have arisen with the disease. *The general aim of this class will be to increase your understanding of HIV, AIDS, its manifestations, its prevention, and its direct and secondary effects on individuals and society.*

There are two main objectives for this class:

1. To learn about AIDS from multiple perspectives. A full understanding of AIDS and its consequences requires an interdisciplinary perspective, incorporating insights from biology, psychology, economics, sociology, public health, ethics and other areas.
2. To learn about AIDS by sharing ideas with others, particularly concerning social, psychological, economic and ethical aspects of AIDS that are open to different interpretations.

When you complete this class, you will have a better understanding not only of the complex biological processes involved in AIDS but also of the complex social and psychological aspects of the disease. In addition, you will be better able to separate the rational and irrational claims and pronouncements about AIDS and to participate constructively in the public discussion and debate about AIDS. You will also be more knowledgeable about preventing HIV infection.

Course Format:

We have selected a format for the course to reflect these objectives. The lectures and the book will provide information about HIV and AIDS from different disciplines. You will be able to download lecture notes prior to each lecture from the website. These are OUTLINES designed to help you take notes and additional material will be covered in lecture. The aim from lecture and readings is to provide a foundation in the concepts, theories and issues relevant to AIDS.

Rather than standard “discussion sections” to go over lecture materials we use this time to hold **Idea Exchange Groups** to discuss issues related to HIV and AIDS in a smaller setting. The aim of the IEGs will be to explore ideas and share reactions related to class concepts. **The IEGs begin Week 3 (the week of October 14);** before that week there are no scheduled discussion sections. While the IEGs may involve issues of fact, their main focus will concern interpretations and implications of AIDS facts and their relationships to policies, procedures and related theoretical ideas and concepts. The IEGs are highly interactive and require your active contribution of ideas and reactions. IEGs are led by specially trained and supervised participants from last year's class. All class members must enroll in an IEG and attend the same section each week. You will be required to submit a 1-page journal for each session. The journal is a vehicle for you to express your reactions to, and thoughts and feelings about issues discussed in the sessions. More details will be provided at your first meeting. Attendance, participation, and journal submissions in the IEGs comprises 21% of your grade!

IEG coordinators are not TAs and are therefore not responsible for helping you master the “biology” concepts covered in weeks 1-5; if you need assistance with this material, please attend office hours held by Professor Tenner or the biology TAs. IEG leaders do not answer questions about lecture content or grading; their role is to facilitate group discussions.

Class participants should be aware that, given the nature of HIV transmission, there will occasionally be explicit discussions of sexual practices and drug injection practices, both in lecture and in the IEGs. If you will be uncomfortable with these discussions, you should drop the class.

iClickers

We will be using iClicker Cloud this semester to conduct polls, quizzes, and/or attendance in class. This will help me understand what you know and give everyone a chance to participate in class. This will also give you feedback on how well you are comprehending course concepts, help you master the challenging material in this class, and allow you to review material after class.

You are required to bring a device to participate in my iClicker sessions during class. We will be allowing the use of iClicker Reef on a smartphone, tablet or laptop OR iClicker remotes.

It is your responsibility to properly register your iClicker Reef device and/or iClicker remote in a timely fashion. It is also your responsibility to regularly check your iClicker grades for any discrepancies and bring them to my attention quickly.

Registration Instructions:

Regardless of which device you use in class, **you must create an iClicker Reef account—or use your existing Reef account if you already have one—to ensure that your grades sync to my iClicker gradebook.** You can do this by downloading the mobile app via the App Store or Google Play, or by visiting iclicker.com.

When you are setting up your account, enter your full name (as displayed in Canvas) accurately in the Student ID field of your Reef profile.

Upon signing up with iClicker Reef, you will have a 2 week free-trial period. After that point, you will need to purchase a Reef subscription or obtain access code if you want to participate in iClicker sessions with your mobile device, tablet, or laptop. Be sure to do this during the 2 week window so your use of iClicker Reef is not interrupted. Students who fail to properly set up their iClicker Reef accounts will miss out on polling points. It is your responsibility to make sure your account is in working order, and to regularly check your grades for any discrepancies and bring them to my attention immediately. If you already have a Reef account, simply add my course to it. **Do not create a duplicate account.**

[Click here to learn about your options for purchasing a Reef subscription or obtaining an access code.](#)

If you are using **iClicker remotes** to participate in class, you must also register your remote in the profile section of your Reef account by entering the 8 character ID from the back of your iClicker remote into your Reef profile. **You will not need to pay for a Reef subscription or obtain an access code if you are only using an iClicker remote**, and can therefore ignore the “Buy or Extend Subscription” message that will appear in your Reef account.

If you want the option of using both an iClicker remote and iClicker Reef on a smart device, you can purchase a Reef subscription in addition to an iClicker remote and simply register the remote in Reef. The iClicker system will record your responses to sessions regardless of which device you use to vote.

You have the option to rent an iClicker remote. Visit the Macmillan Learning Student Store to view iClicker rental information, which also includes an option to purchase access to the iClicker Reef mobile app at a discounted rate.

Need Help?

You can find the answers to many of your questions by visiting iclicker.com/support at any time. If you continue to experience issues, please contact iClicker support via phone (866.209.5698) or email (support@iclicker.com). Live support is available Monday - Thursday from 9AM - 11PM, ET and Friday from 9AM - 9PM, ET.

Questions:

The Biological Sciences TAs conduct weekly office hours to answer questions about the material covered in the first five weeks of class. Each professor also has set times when you can stop by to ask questions or discuss different aspects of the class. If none of these times is convenient, see one of the instructors or a TA to set up a personal appointment. You are expected to have a high school-level background in biological concepts such as genes, proteins, infection and immunity.

On-campus Sexual Health Counseling and HIV Testing:

The UCI Center for Student Wellness & Health Promotion offers confidential sexual health consultations and educational programs. Find out more at <https://studentwellness.uci.edu/topics/sexual-health>. As of Fall, 2019, they no longer provide HIV or STI Testing. There are several sites near UCI where you can receive free and anonymous testing. They are listed on the OC Health Care Agency’s website at <http://www.ochealthinfo.com/phs/about/dcepi/hiv/sites>.

Grading/Administrative Issues:

Attendance at class and regular active participation in IEGs are critical to a full understanding of the topic. Consequently, 25% of your final grade will depend on participation points, awarded for attendance (4%) and active participation at each IEG and for submission of thoughtful journals to your IEG leaders (21%).

There will be two 80-minute examinations for this class each worth 37.5% of your grade, one on **October 31, 2019** during class and another on **December 10, 2019** from 4:00 – 5:20 p.m.

Exam 1 will cover material through October 29th; Exam 2 will cover material in 2nd half of the course -- it is not cumulative. These exams will be given only on these days; **there will be no make-up exams**. If you cannot be present on these two days, you should drop the class immediately. *Student IDs must be brought to both Midterm and Final Exams.*

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Class Schedule:

**Lecture slides and links to non-book readings can be found in the Modules.*

Week	Date	Lecture Topic	Lecturer	Readings
0	9/26	An Introduction to AIDS and Epidemics	Tenner & Gideonse	Chapters 1 and 2, pp. 1-16
1	10/1	Immunity 1	Tenner	Chapter 3, pp. 17-42
	10/3	Immunity 2	Tenner	Chapter 3, pp. 17-42
2	10/8	Virology 1	Tenner	Chapter 4, pp. 43-68
	10/10	Virology 2	Tenner	Chapter 4, pp. 43-68
3		IEGS START THIS WEEK		
	10/15	A Clinical Perspective	Dr. Don Forthal Chief of Infectious Disease UCI School of Medicine	
	10/17	Diagnostics, Medicines and Vaccines 1	Tenner	Chapter 5, pp. 69-98
4	10/22	Diagnostics, Medicines and Vaccines 2	Tenner	Chapter 5. pp. 69-98
	10/24	Epidemiology 1	Tenner	Chapter 6, pp. 99-123
5	10/29	Epidemiology 2 and Q&A	Tenner	Chapter 6, pp. 99-123
	10/31	MIDTERM EXAM		
6	11/5	Modes of HIV Transmission	Gideonse	Chapter 7, pp. 124-136

	11/7	HIV Testing, Surveillance & Reporting	Gideonse	Chapter 8, pp.149-154
7	11/12	Principles of Behavior Change for HIV	Gideonse	Chapter 9, pp. 155-171
	11/14	PrEP & Biomedical Advances in HIV Prevention	Gideonse	Chapter 12, pp. 201-218 Tim Murphy, "Sex Without Fear," <i>New York Magazine</i> , July 13, 2014
8	11/19	HIV Prevention & Media Representation	Gideonse	
	11/21	Living with HIV/AIDS, Part 1	Gideonse	Chapters 10-11, pp. 172-200
9		NO IECS THIS WEEK		
	11/26	Global HIV Strategies	Gideonse	<i>UNAIDS Strategy, 2016-2021</i> , pp. 3-28.
	11/28	THANKSGIVING - NO CLASS		
10	12/3	Living with HIV/AIDS, Part 2	Panel	
	12/5	National HIV Strategies and Review	Gideonse	<i>National HIV/AIDS Strategy for the United States: Updated to 2020</i> , pp. 1-15
11	12/10	FINAL EXAM 4:00-5:20pm	Gideonse	

Idea Exchange Group Goals, Requirements, and Guidelines

IEG Coordinator: Ivy Torres (irtorres@uci.edu)

Goals: The Idea Exchange Groups (IEGs) serve as a forum for exploring ideas and sharing reactions to important HIV/AIDS-related topics such as high-risk behaviors, testing, stigma, and condom use. We have created this platform so that you can engage in open and honest dialogue about HIV/AIDS with your peers. Please note that some of the information covered during these sessions may be perceived as offensive, sensitive, or controversial by some students. If you are easily offended, you should consider dropping this course.

Note: The IEG discussion sessions will not serve as forums for review or overview of the material covered in lecture. If you have questions about the lecture materials, do not ask your IEG facilitators. **Refer your questions to the Bio45 TAs and the course instructors.**

Purpose of the Group

- Identify and explore our own feelings about HIV/AIDS and related issues
- Learn to openly communicate our values, ideas, and beliefs
- Become exposed to, and learn to accept, people whose opinions differ from our own
- Become more aware of the issues faced by people with HIV/AIDS, those at risk for HIV infection, and the general community
- Explore behaviors associated and not associated with the risk of HIV infection

Student Responsibilities

Confidentiality

- Due to the nature of the group, it is important that all group members keep what is said in the group confidential. Everyone will feel more comfortable and willing to share if they have the sense of trust that is built through confidentiality.
- If at any time a student has a concern about confidentiality, they should speak to the facilitator, the IEG Coordinator, or the course instructors.

Participation

- The group only works if students participate in the activities and discussions. However, no student will be forced to share their views or opinions.
- Students should only reveal as much about themselves and their feelings as they feel comfortable with; this is a completely personal and individual decision.
- Everyone is free to express anything; all we ask is that it be done in a respectful manner.
- Students (and facilitators!) should not assume anything about anyone else in the group; keep an open mind.

Attendance

You are required to attend a weekly IEG discussion section. The start date of the discussions will be given by the IEG Coordinator. IEG sessions are conducted by peer facilitators. Attending the IEGs is mandatory and you must attend the section in which you are officially enrolled. No changes will be permitted without prior approval from the IEG Coordinator. Both attendance and thoughtful participation in the IEG meetings amount to 21% of the final course grade. If you arrive to your IEG discussion section more than 10-15 minutes late, your facilitator has been instructed not to give you credit for attendance. The take home message is: *be on time, participate, and stay the entire duration of the session*. If you leave early, you will not get credit for attendance.

Journals

Journals are a vehicle for you to express your views, attitudes, reactions, and feelings about the IEG activities and related topics. Occasionally, you will be asked to submit a journal entry about an assigned topic, and you will be given 15 minutes to work on it in your IEG sessions. Each journal response should be approximately 1/2 page in length and must be turned in via Canvas at the end of your IEG class. Late submissions will not be graded.

Make-Up Assignment

If you miss one IEG session, provisions have been set up for you to make up this absence. You will only be able to make up one absence. The make-up assignment consists of watching one pre-approved AIDS-related documentary and then submitting a typed paper summarizing your experience. To make up a missed class you will need to email the IEG Coordinator. She will provide you with the list of pre-approved documentaries and instructions for submitting the assignment. Your make-up assignment must be completed and turned in and the videos returned, no later than the Friday of Week 10. IEG discussion number should be included in the Word document of your make-up assignment. Your make-up assignment should be submitted electronically via Canvas under the Make-up Assignment tab. Printed copies will not be accepted. Do not submit your make-up assignments to your IEG facilitators as they are not responsible for them.

Questions & Concerns

If you have any concerns about your IEG, please talk with your facilitators **first**. They are here to help you. If you are still having trouble, contact the IEG Coordinator.