The purpose of this undergraduate level course is to learn about the epidemiology and biology of HIV/AIDS and the community response to the epidemic, with an emphasis on translating scientific findings into primary (preventing HIV infection in those who are uninfected) and secondary (preventing development of HIV disease in those who are HIV-infected) prevention practices. We will explore the social, medical, and political correlates and consequences of the HIV epidemic through in class discussions, assigned readings, and guest lectures.

II. Course Prerequisites

None

III. Course Goals and Objectives

Learning objectives for this course include a greater appreciation and understanding of:

- The defining criteria for HIV infection and AIDS
- The local, national, and global epidemiology of HIV/AIDS
- The pathogenesis and natural history of HIV infection and disease
- Modes of HIV transmission
- Strategies to prevent HIV infection
- Strategies to prevent HIV disease progression
- The global response to HIV/AIDS
- The scientific bases of HIV prevention
IV. Methods of Instruction and Work Expectations

Methods of instruction include lectures, in-class discussions, a weekly seminar and course readings. In addition, public health practitioners and experts working in the field of HIV/AIDS will be invited to give presentations that address concepts discussed in class. Students are expected to attend class, seminars, complete reading assignments, participate in class discussions, complete homework on time, and contribute to an atmosphere of curiosity and learning. This is a 2 credit course and, therefore, students can expect to spend approximately 6 hours per week outside of class preparing for class discussions, assignments, quizzes, and exams.

V. Course Text and Readings

Readings and handouts, including scientific studies and other articles from peer-review journals and other public health publications will be assigned during the course. Links to some assigned readings will be posted on the course web site (https://moodle.umn.edu/course/view.php?id=20358), which students are expected to check on a weekly basis. Assigned journal articles can also be downloaded from the university libraries website (http://www.lib.umn.edu/copyright/linking.phtml). If you have problems accessing the course website, please contact the teaching assistant by 12:00 p.m. (noon) on Friday since they may not be available to assist you on weekends.

Understanding the HIV/AIDS Pandemic in Context: History, Biology & Epidemiology

Week 1: Introductions and the History of HIV/AIDS

9/05/18 12:20-1:10pm: Syllabus Overview and Introduction to the History of HIV/AIDS

Required Viewing (for Monday’s class discussion):

Required Readings

Optional Additional Reading

Week 2: The History of the HIV/AIDS Epidemic

9/10/18 12:20-1:10pm: History of the HIV/AIDS Epidemic (Class discussion of “The Age of AIDS”) (Come to class having watched the video and ready to discuss).

9/12/18 12:20-1:10pm: History of the HIV/AIDS Epidemic (key facts - Simon)

In this class we will accomplish three goals:
1. Finalize the class curriculum of topics, populations and students choose their major presentation.
2. Finalize teaching presentation topics and students choose their teaching topic.
3. Review criteria on evaluating quality research papers

Week 3: Introduction to HIV Biology and Transmission

9/17/18 12:20-1:10pm: The Biology of HIV/AIDS (Guest Speaker: Alan Lifson, M.D.)

Prof. Alan Lifson, MD is an HIV research epidemiologist whose areas of specialty includes working in developing world countries on such issues as HIV and TB co-infection and medication access in rural Ethiopia.

Optional Additional Readings:

In this class we will accomplish two goals:
4. Finalize the class curriculum of topics, populations and students choose their major presenta-
tion.
5. Finalize teaching presentation topics and students choose their teaching topic.

9/19/18 12:20-1:10pm: HIV transmission and correlates of transmission Lecture (Simon)

Optional Additional Readings

Required Readings (for discussion in class next week)

Week 4: Epidemiology of HIV – Global and National

9/24/18 12:20-1:10pm: Epidemiology - Global HIV/AIDS Pandemic (Simon)

Optional Additional Readings:

9/26/18 12:20-1:10pm: The Epidemiology of HIV/AIDS in the United States. (Simon)

This interactive lecture reviews the CDC data on HIV in the US. Students will gain experience interpreting prevalence, incidence and mortality data on HIV/AIDS in the US

Week 5: Epidemiology of HIV – National and Local

10/1/18 12:20-1:10pm: The Epidemiology of HIV/AIDS in the United States (cont.)

Optional Reference Reading:

10/3/18 12:20-1:10pm: HIV Surveillance and contact tracing in Minnesota (Guest Speakers: Jared Shenk, Minnesota Department of Health)

This guest lecture focuses on how data are collected at the local level, what MDH does with them, and how and what data becomes part of the national data base. It also reviews the latest epidemiological data at the state level.
Primary Prevention

Week 6: Targeted prevention to high risk populations

10/8/18: 12:20-1:10pm: Prevention basics – Theory and Practice (Simon)

This lecture will focus on principles of primary, secondary and tertiary prevention while highlight key theories driving HIV prevention practice.

Week 6: Targeted prevention to high risk populations

10/8/18: 12:20-1:10pm: Prevention basics – Theory and Practice (Simon)

This lecture will focus on principles of primary, secondary and tertiary prevention while highlight key theories driving HIV prevention practice.

10/10/18 12:20-1:10pm: Interventions with IDUs (Guest Speaker: Megan Mueller, Just Us Health)

This presentation will focus on harm reduction approaches for injecting drug users both locally and nationally, including syringe exchange, and behavioral, biomedical and structural approaches to reducing overdose.

Optional Additional Readings


Week 7: Targeted prevention to high risk populations

10/15/18 12:20-1:10pm: Preventing sexual transmission through condom promotion (Guest presenter: William C. Grier)

William Grier is a counsellor at Minnesota’s largest HIV/STI testing site, the Red Door where he prevents primary infection through condom promotion.

Optional Additional Readings:


**Synthesis and Reflection Paper Due**

10/17/18 12:20-1:10pm: Lecture on HIV testing (Simon)

Optional Additional Readings:


Week 8: Interventions across the ecologic and prevention spectrum

10/22/18 12:20-1:10pm: HIV Testing demonstration, (Guest Presenter: Jesse Campbell, JustUs Health).

10/24/18 12:20-1:10pm: Intervention Strategies across the Ecological Continuum (Simon)

Required Readings:


Optional Additional Readings:


Week 9: Midterm Exam Week

10/29/18 12:20-1:10pm: Midterm exam review

10/31/18 12:20-1:10pm: Mid-term Examination

**HIV/AIDS Treatment & Living with HIV/AIDS**

Week 10: Medical, Psychological and Social Aspects of Living with HIV

11/5/18 Monday, 12:20-1:10pm: Panel of persons living with HIV/AIDS.

A panel of persons living with HIV/AIDS will present on their experience of living with this disease. In the first hour, panelists will introduce themselves and share a little of their experience living with HIV/AIDS, after which students will have the opportunity to ask questions.

1:20-2:20pm: Panel continued. To permit sufficient time for students to ask questions, an optional second hour is reserved today. Depending on the time the panel concludes, 6010 will meet to reflect on the panel.

Optional Additional Readings:


11/7/18 12:20-1:10pm: Fact Sheet presentations (3010 Fact Sheets due today).

In today’s class, 6010 students facilitate small group presentations and evaluate each student’s fact sheets.

Reading References for the Fact Sheet Assignment:

Optional Additional Readings:


Week 11: HIV Treatment

11/12/18 Monday, 12:20-1:10pm: HIV/AIDS Treatment - Medical Aspects of Treatment (*Guest Speaker: Brian Goodroad, DNP, RN, CNP*)

Dr. Brian Goodroad is an RN who has specialized in treating HIV/AIDS patients at the Positive Care Center (HCMC, the state’s largest and most diverse HIV clinic). This lecture will focus on secondary prevention, addressing such aspects as classes of HIV treatment medications, when to initiate and/or defer treatment, and a comprehensive approach to the health care of persons with HIV.
Optional Additional Readings:


**11/14/18 Wednesday, 12:20-1:10pm: The Challenge of Medication Adherence**

Optional Additional Readings:


Towards a World without AIDS

**Week 12: Treatment and Prevention and Pre-exposure Prophylaxis**

11/19/18 12:20-1:10pm: Running a PrEP clinic (Guest presentation TBN)

Required Reading:


11/21/18: 12:20-1:10pm: Living with HIV and the HIV care continuum.*

* Although this is the day before Thanksgiving, this class will be held as usual and students will be expected to attend if in town. To help students who are traveling or out of town for the holiday, this class will also be available as an audio-lecture.

**Week 13: The Future of HIV prevention, advances in research and treatment**


6010 graduate students guest lecture this class, with each student covering a biomedical development or area of HIV/AIDS research.

**Week 14: HIV Policy, Advocacy, and legislative approaches to Ending HIV/AIDS**

12/03/18 12:20-1:10pm: HIV/AIDS Advocacy and the National HIV Prevention Strategy (Simon)

Optional Additional Readings


12/05/18 12:20-1:10pm: HIV Advocacy: *(Guest speaker, Senator Dibble back)*
Week 15: Evaluation

12/10/18 12:20-1:10pm: Final Exam Review and Class Wrap-up

12/12/18 12:20-1:10pm: Final Exam

VII. Evaluation and Grading

Final Grades for the class will be calculated based on performance in the following areas:

Examinations (60% of grade):
An in-class mid-term examination and a final examination will constitute 60% of your grade (30% for the midterm examination and 30% for the final examination). The exams will review your knowledge and understanding of material presented in the course up to the time of the exam. The exams will consist of true/false and multiple choice questions. More information about the examinations will be provided during the semester.

Reflection and synthesis paper (25% of grade):
Students will be asked to submit a reflection and synthesis papers during the semester. The paper will be no more than 4 pages in length (double spaced, 1 inch margins, times new roman), and consist of one page summaries of two related articles from peer-reviewed academic journals (2 pages, so each summary should be about 1 page each) and a 1-2 page synthesis of the articles with class material. Students may choose the articles, and it must be clear how the topics fit into the material learned in-class.

This assignment is completed in two phases. In phase 1, on or before 9/27/17 you must submit electronic pdfs of the two articles to the TA for pre-approval. They will confirm if the articles you have chosen meet the criteria for scientific peer-reviewed article. In phase 2 of the assignment, on 10/18/17, the synthesis and reflection paper is due to the TA.

In-Class “Surprise” Quizzes (5 quizzes at 1 points each for 4+ correct answers, 5 % extra credit):
Five unannounced 3-point quizzes will be given throughout the semester. The goals of the quizzes are to 1) encourage students to stay up-to-date on readings and lecture material and 2) to reward students for attending class lectures. If you miss (i.e., skip) class, you will be given 0 points for the quiz. If you are unable to attend a lecture because of unavoidable and/or unforeseen circumstances (e.g., a family emergency; death; dismemberment), it is your responsibility to notify the teaching assistant as soon as possible to arrange an alternative time to make up the quiz. A missed quiz for a credible reason can be made up for a period of 2 weeks, after which you will receive a 0 on the quiz. Only 2 quizzes may be missed for credible reasons throughout the semester, after which 0 points will be given for missed quizzes. The instructor reserves the right to determine whether a given reason is credible for missing a quiz.

HIV Fact Sheet (15%: 10% fact sheet; 5% group discussion):
Students will be asked to create a “fact sheet” based on a topic of their choice in the area of HIV. Fact sheets are a common and useful way practitioners and researchers communicate with each other in public health. Students will create a 1-2 page fact sheet on a topic, and present the fact sheet in small group discussions during class.

Final Grades for the class will be calculated based on performance in the following areas:

**Grading**

**Final grades** will be assigned as follows:

<table>
<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100</td>
<td>A</td>
</tr>
<tr>
<td>90-92</td>
<td>A-</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
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<tr>
<td>83-86</td>
<td>B</td>
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<tr>
<td>80-82</td>
<td>B-</td>
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<td>77-79</td>
<td>C+</td>
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<td>73-76</td>
<td>C</td>
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<tr>
<td>70-72</td>
<td>C-</td>
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<tr>
<td>60-69</td>
<td>D</td>
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<tr>
<td>59 or below</td>
<td>F</td>
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</tbody>
</table>
The University utilizes plus and minus grading on a 4.000 cumulative grade point scale in accordance with the following:

- **A** 4.000 - Represents achievement that is outstanding relative to the level necessary to meet course requirements
- **A-** 3.667
- **B+** 3.333
- **B** 3.000 - Represents achievement that is significantly above the level necessary to meet course requirements
- **B-** 2.667
- **C+** 2.333
- **C** 2.000 - Represents achievement that meets the course requirements in every respect
- **C-** 1.667
- **D+** 1.333
- **D** 1.000 - Represents achievement that is worthy of credit even though it fails to meet fully the course requirements
- **S** Represents achievement that is satisfactory, which is equivalent to a C- or better.

For additional information, please refer to: [http://policy.umn.edu/Policies/Education/Education/GRADINGTRANSCRIPTS.html](http://policy.umn.edu/Policies/Education/Education/GRADINGTRANSCRIPTS.html).

**Course Evaluation**
The SPH will collect student course evaluations electronically using a software system called CoursEval: [www.sph.umn.edu/courseval](http://www.sph.umn.edu/courseval). The system will send email notifications to students when they can access and complete their course evaluations. Students who complete their course evaluations promptly will be able to access their final grades just as soon as the faculty member renders the grade in SPHGrades: [www.sph.umn.edu/grades](http://www.sph.umn.edu/grades). All students will have access to their final grades through OneStop two weeks after the last day of the semester regardless of whether they completed their course evaluation or not. Student feedback on course content and faculty teaching skills are an important means for improving our work. Please take the time to complete a course evaluation for each of the courses for which you are registered.

**Incomplete Contracts**
A grade of incomplete “I” shall be assigned at the discretion of the instructor when, due to extraordinary circumstances (e.g., documented illness or hospitalization, death in family, etc.), the student was prevented from completing the work of the course on time. The assignment of an "I" requires that a contract be initiated and completed by the student before the last official day of class, and signed by both the student and instructor. If an incomplete is deemed appropriate by the instructor, the student in consultation with the instructor, will specify the time and manner in which the student will complete course requirements. Extension for completion of the work will not exceed one year (or earlier if designated by the student’s college). For more information and to initiate an incomplete contract, students should go to SPHGrades at: [www.sph.umn.edu/grades](http://www.sph.umn.edu/grades).

**University of Minnesota Uniform Grading and Transcript Policy**
A link to the policy can be found at [onestop.umn.edu](http://onestop.umn.edu).

**VIII. Other Course Information and Policies**

**Grade Option Change (if applicable):**
For full-semester courses, students may change their grade option, if applicable, through the second week of the semester. Grade option change deadlines for other terms (i.e. summer and half-semester courses) can be found at [onestop.umn.edu](http://onestop.umn.edu).

**Course Withdrawal:**
Students should refer to the Refund and Drop/Add Deadlines for the particular term at onestop.umn.edu for information and deadlines for withdrawing from a course. As a courtesy, students should notify their instructor and, if applicable, advisor of their intent to withdraw.

Students wishing to withdraw from a course after the noted final deadline for a particular term must contact the School of Public Health Office of Admissions and Student Resources at sph-ssc@umn.edu for further information.

**Student Conduct Code:**
The University seeks an environment that promotes academic achievement and integrity, that is protective of free inquiry, and that serves the educational mission of the University. Similarly, the University seeks a community that is free from violence, threats, and intimidation; that is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and that does not threaten the physical or mental health or safety of members of the University community.

As a student at the University you are expected to adhere to Board of Regents Policy: *Student Conduct Code*. To review the Student Conduct Code, please see: http://regents.umn.edu/sites/default/files/policies/Student_Conduct_Code.pdf.

Note that the conduct code specifically addresses disruptive classroom conduct, which means "engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning. The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities."

**Use of Personal Electronic Devices in the Classroom:**
Using personal electronic devices in the classroom setting can hinder instruction and learning, not only for the student using the device but also for other students in the class. To this end, the University establishes the right of each faculty member to determine if and how personal electronic devices are allowed to be used in the classroom. For complete information, please reference: http://policy.umn.edu/Policies/Education/Education/STUDENTRESP.html.

**Scholastic Dishonesty:**
You are expected to do your own academic work and cite sources as necessary. Failing to do so is scholastic dishonesty. Scholastic dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering, forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis. (Student Conduct Code: http://regents.umn.edu/sites/default/files/policies/Student_Conduct_Code.pdf) If it is determined that a student has cheated, he or she may be given an "F" or an "N" for the course, and may face additional sanctions from the University. For additional information, please see: http://policy.umn.edu/Policies/Education/Education/INSTRUCTORRESP.html.

The Office for Student Conduct and Academic Integrity has compiled a useful list of Frequently Asked Questions pertaining to scholastic dishonesty: http://www1.umn.edu/oscai/integrity/student/index.html. If you have additional questions, please clarify with your instructor for the course. Your instructor can respond to your specific questions regarding what would constitute scholastic dishonesty in the context of a particular class—e.g., whether collaboration on assignments is permitted, requirements and methods for citing sources, if electronic aids are permitted or prohibited during an exam.

**Makeup Work for Legitimate Absences:**
Students will not be penalized for absence during the semester due to unavoidable or legitimate circumstances. Such circumstances include verified illness, participation in intercollegiate athletic events, subpoenas, jury duty, military service, bereavement, and religious observances. Such circumstances do not include voting in local, state, or national elections. For complete information, please see: http://policy.umn.edu/Policies/Education/Education/MAKEUPWORK.html.

**Appropriate Student Use of Class Notes and Course Materials:**
Taking notes is a means of recording information but more importantly of personally absorbing and integrating the educational experience. However, broadly disseminating class notes beyond the classroom community or accepting compensation for taking and distributing classroom notes undermines instructor interests in their intellectual work product while not substantially furthering instructor and student interests in effective learning. Such actions violate shared norms and standards of the academic community. For additional information, please see: http://policy.umn.edu/Policies/Education/Education/STUDENTRESP.html.
Sexual Harassment:
"Sexual harassment" means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment in any University activity or program. Such behavior is not acceptable in the University setting. For additional information, please consult Board of Regents Policy: http://regents.umn.edu/sites/default/files/policies/SexHarassment.pdf

Equity, Diversity, Equal Opportunity, and Affirmative Action:
The University will provide equal access to and opportunity in its programs and facilities, without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. For more information, please consult Board of Regents Policy: http://regents.umn.edu/sites/default/files/policies/Equity_Diversity_EO_AA.pdf

Disability Accommodations:
The University of Minnesota is committed to providing equitable access to learning opportunities for all students. The Disability Resource Center Student Services is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations.

If you have, or think you may have, a disability (e.g., mental health, attentional, learning, chronic health, sensory, or physical), please contact DRC at 612-626-1333 or drc@umn.edu to arrange a confidential discussion regarding equitable access and reasonable accommodations.

If you are registered with DS and have a current letter requesting reasonable accommodations, please contact your instructor as early in the semester as possible to discuss how the accommodations will be applied in the course.

For more information, please see the DS website, https://diversity.umn.edu/disability/.

Mental Health and Stress Management:
As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance and may reduce your ability to participate in daily activities. University of Minnesota services are available to assist you. You can learn more about the broad range of confidential mental health services available on campus via the Student Mental Health Website: http://www.mentalhealth.umn.edu.

The Office of Student Affairs at the University of Minnesota:
The Office for Student Affairs provides services, programs, and facilities that advance student success, inspire students to make life-long positive contributions to society, promote an inclusive environment, and enrich the University of Minnesota community.

Units within the Office for Student Affairs include, the Aurora Center for Advocacy & Education, Boynton Health Service, Central Career Initiatives (CCE, CDes, CFANS), Leadership Education and Development – Undergraduate Programs (LEAD-UP), the Office for Fraternity and Sorority Life, the Office for Student Conduct and Academic Integrity, the Office for Student Engagement, the Parent Program, Recreational Sports, Student and Community Relations, the Student Conflict Resolution Center, the Student Parent HELP Center, Student Unions & Activities, University Counseling & Consulting Services, and University Student Legal Service.

For more information, please see the Office of Student Affairs at http://www.osa.umn.edu/index.html.

Academic Freedom and Responsibility: for courses that do not involve students in research:
Academic freedom is a cornerstone of the University. Within the scope and content of the course as defined by the instructor, it includes the freedom to discuss relevant matters in the classroom. Along with this freedom comes responsibility. Students are encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth. Students are free to take reasoned exception to the views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled.*

OR:
Academic Freedom and Responsibility, for courses that involve students in research

Academic freedom is a cornerstone of the University. Within the scope and content of the course as defined by the instructor, it includes the freedom to discuss relevant matters in the classroom and conduct relevant research. Along with this freedom comes responsibility. Students are encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth. Students are free to take reasoned exception to the views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled.* When conducting research, pertinent institutional approvals must be obtained and the research must be consistent with University policies.

Reports of concerns about academic freedom are taken seriously, and there are individuals and offices available for help. Contact the instructor, the Department Chair, your adviser, the associate dean of the college, (Dr Kristin Anderson, SPH Dean of Student Affairs), or the Vice Provost for Faculty and Academic Affairs in the Office of the Provost.

* Language adapted from the American Association of University Professors "Joint Statement on Rights and Freedoms of Students".

Student Academic Success Services (SASS): http://www.sass.umn.edu:

Students who wish to improve their academic performance may find assistance from Student Academic Support Services. While tutoring and advising are not offered, SASS provides resources such as individual consultations, workshops, and self-help materials.

Template update 9/2014