**119:152:H1 BIOMEDICAL ISSUES of HIV/AIDS**

FALL 2000 - T/Th 4 Graduate School of Education, Distance Learning Room 030

Instructor:

Dr. Monica Devanas

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Teaching Excellence Center

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Office Hours: M 11:30-12:30, Th 2:30-3:30; or by appointment

**Goals and Objectives of this Course:**

**This is a Biological Sciences course and even though it is an introductory level course,**

**it is not to be considered simple or superficial. As a biology course, this curriculum is**

**designed to present the student with the fundamentals of infectious disease,**

**immunology, and virology as they apply to HIV disease. With this knowledge of the**

**biology of the HIV, the impact of the HIV epidemic is examined in a variety of**

**psychological and social arenas.**

**Course Text:**

**Class Notes for Biomedical Issues of HIV/AIDS.**

**This material consists of brief comments on the individual biological lecture topics and**

**a copy of most of the overhead figures, graphs, and diagrams that will be discussed in**

**class. It is strongly recommended that you purchase the Class Notes and bring them**

**with you to each class. You will be given the first chapter of this manual and a voucher**

**to be filled out by you. Take the voucher to any cashierís office on any campus and pay**

**the amount for the manual you are purchasing. The cashier will give you two receipts:**

**take one to the Department of Biological Sciences for the rest of the manual, and keep**

**the other for your own records. You may pick up the manual from the Life Sciences**

**Instructional Office in Room A124, Nelson Labs, Busch Campus from 8:30 - 12:00 PM**

**and 1:00 - 4:15 PM, Monday - Friday. All manuals must be picked up by September**

**22, 2000. The cashier will not accept payment after this date.**

**Reference Materials:**

**Several reference books are also on Reserve in Alexander Library. These include:**

• G. Stine. (1993) Acquired Immune Deficiency Syndrome: Biological, Medical,

Social and Legal Issues.

• H. Fan, R. Conner, and L. Villarreal. (1994) The Biology of AIDS.

• G. Stine. (1995) AIDS Update.

• I.E. Alcamo. (1993) AIDS: The Biological Basis

You may borrow these for two hours at a time by giving the course number, book title and

your student ID to the librarian at the Reserve Desk. These books are the personal property

of Dr. Devanas so please do not write in them or mark them in any way.

**119:152:H1 BIOLOGY, SOCIETY AND BIOMEDICAL ISSUES: HIV/AIDS**

**FALL 2000 - T/Th 4 Graduate School of Education, Room 030**

**SCHEDULE OF LECTURES, EXAMS AND DUE DATES.**

**DATE TOPIC CLASS NOTES**

9/5 T Course Policy and Overview, Learning Styles

9/7 Th Introduction to HIV/AIDS and the Natural History of HIV disease (CA1) Chapter 1

9/12 T Instructional Technology Tools/WebCT - CAC Computer Lab

9/14 Th Basic Microbiology (CA1) Handout material

9/19 T Infectious Disease and Epidemiology (CA1) Chapter 2

9/21 Th Guest Lecturer: Jackie Mardikian, Medical Reference Librarian, Library of Science and Medicine, Lisa

Vecchio, Douglass Library

Handout material

9/26 T Sexually Transmitted Diseases and Profile of HIV/AIDS (CA1) Chapter 3

9/28 Th Natural Defenses against Disease (CA1)

***TOPIC-DATEBASE-REFERENCES DUE IN CLASS***

Chapter 4

10/3 T \*

10/5 Th The Immune System (CA2) Chapter 5

10/10 T \*

***Content Area 1 Report due***

10/12 Th \*

10/17 T The Cells of the Immune System (CA2) Chapter 6

10/19 Th \*CLASS CANCELLED

10/24 T The Immune Response (CA2) Chapter 7

10/26 Th Coordination of the Immune Response (CA2) Chapter 8

10/31 T Allergies and Diseases of the Immune System (CA2)

***WRITING ASSIGNMENT COLLECTED IN CLASS*** */****Digitally Distributed for PEER REVIEW***

Chapter 9

11/2 Th Introduction to Viruses and HIV (CA3)

*Case Report Materials Distributed*

Chapter 10

11/7 T The Virus’ "Hostile Takeover" of the Cell (CA3)

***Content Area 2 Report Due***

Chapter 11

11/9 Th HIV Infection, New Theories of HIV Disease (CA3) Chapter 13

11/14 T HIV Disease Continuum and Opportunistic Infection, (CA3) Chapter 14

11/16 Th Detection and Diagnosis of HIV Infection (CA3)

***Case Brief Due****, Fact Pattern Distibuted, Groups Prepare for Trial*

Chapter 15

11/21 Th No Class

**119:152:H1 BIOLOGY, SOCIETY AND BIOMEDICAL ISSUES: HIV/AIDS**

**COURSE POLICY**

1. Students are expected to attend all scheduled lectures and to arrive on time and remain for the entire period. It is

expected that students will show courtesy to both their fellow students and the Lecturer by refraining from chatter

while class is in progress.

2. Final grades for the course will be a sum of points from the following assessments: a) Three "Content Area

Reports" (which are a minimum of 2 pages) summarizing the biomedical content and phenomena for the three major

content areas of the course, 100 points each; b) Writing Assignment, total grade to be a combination of 200 for

paper and 50 points for PEER REVIEW of paper for a total of 250 points; c) Case Brief (one page minimum) 50

points; d) Mock Trial Notes (50 points for individual notes and 50 for group notes) total 100 points; e) Web Page on

topic of interest, 100points.

TOTAL POINTS FOR FINAL COURSE GRADE = 800.

Four optional Extra Credit Assignments may also be completed and will be worth 10 points each. Scores for these

will be added to student's individual score after the final grade distribution for the course has been completed.

3. All Assignments must be handed in on time - by the end of the class period on the day designated. If you miss

class they must be turned in at the Teaching Excellence Center (116 College Ave) where they will be stamped wit

the date. Late work will be penalized 20 points per day late (including weekends). You should keep a copy of all

work you hand in. Any questions regarding grading must be submitted in writing, with the assignment, to Dr.

Devanas within 1 week of its return to the st

4. Students who do not achieve a satisfactory result in the first Content Area Review will be given a warning grade

at that time

5. All students are expected submit Content Area Reviews at the designated times. If you have any medical or

personal reasons that materials cannot be submitted on time, you must have legitimate written excuse. Legitimate

excuses include: Physician's note for serious illness; Dean's notes for person issues, death in your immediate family,

athletes attending an out of town game (NOT practice), or if you are observing a religious holiday. If you know you

have a legitimate conflict you must notify Dr. Devanas at least 1 week in advance of the scheduled exam date. If you

miss an exam because of serious illness you must notify Dr. Devanas within 24 hours.

6. It is YOUR responsibility to arrange to make-up any missed materials within the prescribed period given in the

course policy.

7. All students should read and adhere to the Rutgers University Policy concerning academic honesty. Any

suspected cheating will be reported directly to the student’s College Dean. Unless specifically noted as group work

i.e. Trial Notes, all work turned in MUST be the student's own work (Your Name = Your Work). If you consult,

quote or refer to any published work or opinion of another individual, it m

8. Any students with disabilities should see Dr. Devanas about accommodations that are necessary for your learning

needs.

9. It is strongly recommended that you attend the Office Hours of Dr. Devanas throughout the semester to clear up

any problems with the course work as they arise. If you cannot attend the scheduled Office Hours you may make an

appointment by calling the Teaching Excellence Center (932-7466), or email Dr. Devanas

(devanas@rci.rutgers.edu)