

**SAN DIEGO STATE UNIVERSITY
COLLEGE OF HEALTH AND HUMAN SERVICES
GRADUATE SCHOOL OF PUBLIC HEALTH
DIVISION OF EPIDEMIOLOGY AND BIostatISTICS**

**SYLLABUS
PH 625: CONTROL OF INFECTIOUS DISEASES
SPRING 2007**

DAY: THURSDAY TIME: 1300 – 1540 LOCATION: HT 128 SERIAL: 25082	INSTRUCTOR: LOUISE HOFHERR, PH.D. OFFICE HOURS: BY APPOINTMENT OFFICE PHONE: (619) 594-5008 E-MAIL: lhofherr@mail.sdsu.edu OFFICE : HH 101
<u>TEXT:</u> A TEXTBOOK IS <u>NOT</u> REQUIRED FOR THIS COURSE. HOWEVER, IT IS STRONGLY RECOMMENDED THAT YOU HAVE AN INFECTIOUS DISEASE REFERENCE BOOK SUCH AS HEYMANN, D. CONTROL OF COMMUNICABLE DISEASES MANUAL, APHA, 18TH ED.	

SCOPE OF COURSE:

ON COMPLETION OF THE COURSE, THE STUDENT WILL:

- 1. IDENTIFY THE PRINCIPAL MEANS OF TRANSMISSION OF IMPORTANT INFECTIOUS AGENTS.**
- 2. DESCRIBE THE MOST APPROPRIATE CONTROL MEASURES FOR VARIOUS SITUATIONS.**
- 3. UNDERSTAND THE LIFE CYCLES FOR CERTAIN INFECTIOUS AGENTS AND HOW THIS INFORMATION CAN BE UTILIZED IN CONTROL.**
- 4. UNDERSTAND WATERBORNE, FOOD BORNE AND VECTOR BORNE CONTROL MEASURES.**
- 5. UNDERSTAND THE ROLE OF HUMAN/ENVIRONMENT INTERACTIONS IN THE TRANSMISSION OF ZOOSES AND IDENTIFY CONTROL MEASURES FOR THEM.**
- 6. UTILIZE APPROPRIATE REFERENCE MATERIALS FOR INFECTIOUS DISEASE CONTROL.**
- 7. BETTER APPRECIATE INTERRELATIONSHIPS BETWEEN DIFFERENT LEVELS OF GOVERNMENT IN DISEASE CONTROL.**

STUDENT RESPONSIBILITIES:

EACH STUDENT WILL:

- 1. READ ASSIGNED MATERIALS AND ACTIVELY PARTICIPATE IN THE CLASSROOM DISCUSSIONS.**
- 2. COMPLETE AND SUBMIT HOMEWORK ASSIGNMENTS AND BE PREPARED TO PRESENT THEIR RESULTS TO THE CLASS.**
- 3. SUCCESSFULLY COMPLETE FINAL PROJECT.**

GRADING POLICY:

BASIS OF GRADE:

40% - HOMEWORK, PROBLEMS

10% - PARTICIPATION IN CLASS DISCUSSIONS

25% - PROJECT, FIRST SECTION

**25% - FINAL PROJECT, FIRST SECTION, COMPLETED SECOND SECTION AND
FORMS**

GRADING STANDARDS:

A = SUPERIOR ATTAINMENT OF COURSE OBJECTIVES.

B = ADEQUATE ATTAINMENT OF COURSE OBJECTIVES.

C = ATTAINMENT BELOW GRADUATE LEVEL EXPECTATIONS.

COURSE SCHEDULE

(THIS SCHEDULE IS PROVISIONAL AND SUBJECT TO CHANGE)

JANUARY 18	INTRODUCTION TO COURSE. PREVENTION, TRANSMISSION, DEFENSE
JANUARY 25	LABORATORY TESTING. PCR Who? SURVEILLANCE - INFLUENZA
FEBRUARY 1	EMERGING INFECTIOUS DISEASES. WHO, WHAT, WHERE, WHEN, WHY AND HOW.
FEBRUARY 8,15	FOODBORNE OUTBREAKS NO CLOWNING AROUND – <i>E. COLI</i> IT’S THE CHEESE-- <i>LISTERIA</i>
FEBRUARY 22	ZOONOSES CATS! <i>TOXOPLASMA</i> ; <i>BARTONELLA</i>
MARCH 1	RIFT VALLEY FEVER
MARCH 8	PERSON-TO-PERSON (?) THE HOT ZONE—HEMORRHAGIC FEVER-- <i>EBOLA</i>
MARCH 15	WATERBORNE, ENVIRONMENTAL BEAVER FEVER OR HERE’S LOOKING AT YOU KID— <i>GIARDIA</i> DIGGING IT-- <i>HISTOPLASMA</i>
<u>MARCH 22</u>	<u>PROJECT—FIRST SECTION DUE</u> BLOODBORNE MOSQUITOES IN PARADISE – <i>BREAKBONE FEVER</i>
<u>MARCH 26-30</u>	<u>SPRING RECESS</u>
APRIL 5	ZOONOSES <i>HANTAVIRUS</i>
APRIL 12	PERSON-TO-PERSON PERINATAL— <i>GROUP B STREPTOCOCCUS</i> <i>HHV-8 (?)</i>
APRIL 19	NOSOCOMIAL, OCCUPATIONAL DEAD BUGS DON’T MUTATE-- <i>STAPHYLOCOCCUS</i>
<u>APRIL 26</u>	<u>OPEN</u>
<u>MAY 3</u>	<u>FINAL PROJECT DUE</u> <u>FINAL HOMEWORK DUE</u>

