

INFECTIOUS DISEASE IN HEALTH CARE ENVIRONMENTS
BMD 210 - Course Syllabus
Fall Semester 2005

Instructor: William B. Davis, Ph.D.
Office: UCOM 6000 Tel. 380-2710

Office Hours: By appointment (380-2710)

Class: Section 1- Monday, Wednesday and Friday 12:20 - 1:10,
CCCB 260
Section 2- Monday, Wednesday and Friday 1:25 - 2:15, CCCB
260

Course Description: The course is designed to survey introductory level concepts of pathogenic microbiology. Content areas focus on the functional anatomy of microbes, host defense mechanisms, and selected infectious diseases, to include diagnosis, treatment and prevention.

TEXT (required): Microbiology: An Introduction,
8th Edition, Tortora, Funke & Case.

It is highly recommended that the textbook be used to highlight and augment lecture sessions.

Optional Material: Examination sample study questions are on reserve in the biomedical library and available to copy. Class notes may be made available for purchase through the Biomedical Sciences Student Society.

Prerequisites: BLY 121 General Biology I or
BMD 114 Human Anatomy & Physiology I
Students who have completed BMD 402 Medical Microbiology are advised to consult the University Bulletin in regard to using BMD 210 as elective credit toward a BMD major.

Changes in course assignments: Any changes in the course assignments will be made in a timely manner and students will be notified of the changes during class meetings.

Examinations: Three examinations will be administered during the semester for a total of 300 points. Examinations will be worth 100 points each and consist of 40 multiple choice questions carrying a weight of 2.5 points each. Bonus questions worth 1 point each may also be

available on examinations. Bonus points will be added to the points obtained on the examination questions. Final letter grades will be determined based on the percentage of up to 300 points obtained. The grade scale is as follows:

In the event the university is officially closed for **emergency** reasons (such as inclement weather) on the day an examination is scheduled, the next official class day will be used to announce a reschedule time.

Course Grading: Final grades will be based on the percentage of 300 points obtained from examinations with added bonus points.

90 - 100% = A
80 - 89% = B
70 - 79% = C
60 - 69% = D
0 - 59% = F

Final Examination: The third examination for BMD 210 is scheduled for the designated exam period as follows:

1:00 - 3:00 p.m., Monday, December 9 (Section 1)
1:00 - 3:00 p.m., Wednesday, December 12 (Section 2)

Rescheduling an examination during the final examination week must be processed per university policy through the Dean's office in the College of Allied Health Professions.

Attendance: Absence from an examination or quiz will not be excused except in cases of an illness or other emergency that is verified by appropriate written documentation. For example, in the case of illness a written statement from a physician is required with inclusive dates under care. Examples of what are NOT considered documental emergencies are tardiness, car trouble, sleeping late, getting married or forgetting. Under no circumstances can an examination be retaken.

Unexcused absence from an examination will result in a grade of zero. It is the student's responsibility to see the instructor as soon as possible in regard to an excused absence. All make up work must be scheduled no later than the last day of classes in the semester.

Neither food nor drinks are allowed in the lecture room. No electronic devices (beepers and cell phones) will be permitted to disrupt lectures or to disturb other students. Absolutely **no children** are permitted in the lecture room.

Students with Disabilities: If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from Disability Services in the Office of Special Student Services (Student Center, Room 270, phone 460-7212.)

**BMD 210
INFECTIOUS DISEASES
Dr. William B. Davis, Instructor
Fall Semester 2005**

LECTURE GUIDE and REFERENCES

DATE		HOUR	TOPIC	TEXT REFERENCE
M	8/22	1	Introduction to the Microbial World	Chapter 1, 3
W	8/24	2	Introduction to the Microbial World	Chapter 1, 3
F	8/26	3	Procaryotic and Eucaryotic Cells	Chapter 4
M	8/29	4	Procaryotic and Eucaryotic Cells	Chapter 4
W	8/31	5	Procaryotic and Eucaryotic Cells	Chapter 4
F	9/02	6	Microbial Metabolism	Chapter 5
M	9/05		LABOR DAY HOLIDAY - NO CLASS	
W	9/07	7	Microbial Metabolism	Chapter 5
F	9/09	8	Microbial Growth	Chapter 6
M	9/12	9	Microbial Growth	Chapter 6
W	9/14	10	Microbial Genetics	Chapter 8
F	9/16	11	Microbial Genetics	Chapter 8
M	9/19	12	Sterilization & Disinfection	Chapter 7
W	9/21	13	Sterilization & Disinfection	Chapter 7
F	9/23	14	Antimicrobial Drugs	Chapter 20
M	9/26	15	Antimicrobial Drugs	Chapter 20

W	9/28	16	Exam I (Hours 1 - 15)	
F	9/30	17	Virology	Chapter 13
M	10/03	18	Principles of Infection	Chapter 14
W	10/05	19	Principles of Infection	Chapter 14
F	10/07	20	Microbe vs. Host Mechanisms of Pathogenicity	Chapter 15

LECTURE GUIDE and REFERENCES

DATE		HOUR	TOPIC	TEXT REFERENCE
M	10/10	21	Microbe vs. Host: Mechanisms of Pathogenicity	Chapter 15
W	10/12	22	Host vs. Microbe: Non Specific Defense I	Chapter 16
F	10/14	23	Host vs. Microbe: Non Specific Defense I	Chapter 16
M	10/17	24	Host vs. Microbe: Specific Defense I	Chapter 17
W	10/19	25	Host vs. Microbe: Specific Defense II	Chapter 17
F	10/21	26	Host vs. Microbe: Specific Defense III	Chapter 17
M	10/24	27	Immune Disorders I	Chapter 19
W	10/26	28	Immune Disorder II	Chapter 19
F	10/28	29	Examination II (Hours 17-28)	
M	10/31	30	Microbial Diseases of the Skin	Chapter 21
W	11/0	31	Microbial Diseases of the Skin	Chapter 21

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F	11/04	32	Microbial Diseases of the Skin	Chapter 21
M	11/07	33	Microbial Diseases of the Nervous System	Chapter 22
W	11/09	34	Microbial Diseases of the Nervous System	Chapter 22
F	11/11	35	Microbial Diseases of the Cardiovascular System	Chapter 23
M	11/14	36	Microbial Diseases of the Cardiovascular System	Chapter 23
W	11/16	37	Microbial Diseases of the Respiratory System	Chapter 24
F	11/18	38	Microbial Diseases of the Respiratory System	Chapter 24
M	11/21	39	Microbial Diseases of the Respiratory System	Chapter 24
W	11/23		THANKSGIVING HOLIDAY	
F	11/25		THANKSGIVING HOLIDAY	
M	11/28	40	Microbial Disease of the Digestive System	Chapter 25
W	11/30	41	Microbial Diseases of the Digestive System	Chapter 25
F	12/02	42	Microbial Diseases of the Urogenital System	Chapter 26
M	12/05	43	Microbial Diseases of the Urogenital System	Chapter 26

LAST DAY TO DROP A COURSE (November 11th)

FINAL EXAMINATION (Hours 30-43)
1:00 - 3:00 p.m., Friday, December 9(Section 1)
1:00 - 3:00 p.m., Monday, December 12(Section 2)