

## COURSE SYLLABUS

AHS 1061  
INTRODUCTORY MICROBIOLOGY LABORATORY  
FALL 2007

### ALLIED HEALTH SCIENCE (AHS) 1061 SECTIONS:

SECTION 001: F 8:00 -10:30 AM (SB 3.01.42)  
SECTION 002: F 12:00 - 2:30 PM (SB 3.01.42)  
SECTION 003: F 3:00 - 5:30 PM (SB 3.01.42)  
SECTION 004: S 9:00 -11:30 AM (SB 3.01.40)  
SECTION 005: S 12:00 - 2:30 PM (SB 3.01.40)  
SECTION 901: T 8:00 -10:30 AM (DB 3.314)

### BIOLOGY (BIO) 3722 SECTIONS:

SECTION 001: MW 8:00 -10:30 AM\* (SB 3.01.40)  
SECTION 002: MW 11:30 - 2:00 PM\* (SB 3.01.40)  
SECTION 003: MW 3:00 - 5:30 PM\* (SB 3.01.40)  
SECTION 004: MW 6:30 - 9:00 PM\* (SB 3.01.42)  
SECTION 005: TR 7:30 -10:00 AM\* (SB 3.01.42)  
SECTION 006: TR 10:30 - 1:00 PM\* (SB 3.01.40)  
SECTION 007: TR 1:30 - 4:00 PM\* (SB 3.01.42)  
SECTION 008: TR 4:30 - 7:00 PM\* (SB 3.01.42)  
SECTION 009: TR 7:30 - 10:00 PM\* (SB 3.01.40)  
SECTION 901: MW 6:00 - 8:30 PM\* (DB 3.314)

\*SEE NOTE 3 BELOW.

### INSTRUCTOR:

OFFICE HOURS:

TEXTBOOK:

COURSE OUTLINE:

MATERIALS:

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By appointment and after class.

*SYMBIOSIS, The Benjamin Cummings Custom  
Laboratory Program for Biology*

See separate handout.

Each student is required to obtain the following supplies  
for use in the lab.

- 1) Sharpie pen with black ink
- 2) Knee-Length white lab coat with long sleeves

### GRADING SCHEME:

Quizzes	30%
Unknown Identification	5%
Midterm Exam (written and practical)	30%
Final Exam (written and practical)	30%
Class participation, attitude, and cooperation	5%
Attendance – See paragraph 7 below	
A=90-100%   B=80-89%   C=70-79%   D=60-69%   F=0-59%	

EXAMINATION SCHEDULE: See course outline

## NOTES:

1. Quizzes will be given during the first 15 minutes of most lab periods. If you are late to class you will not get more time to complete the quiz. No quiz can be made up. Quizzes may cover material from all lab periods and experimental observations since the last quiz plus general information from the material for that day's experiment(s). Your lowest quiz score will be dropped, except that the score on the first quiz which includes lab safety and other material presented the first period will not be dropped.
2. The midterm exam covers all material presented during lab periods and is based on information presented by your lab instructor, written material in handouts and the lab manual, as well as lab procedures, techniques, experimental results, and conclusions. The final exam will be the same format with about 66% of the questions based on material covered after the mid-term exam.
3. Frequently, the observation of experimental results in microbiology must be done during times other than your scheduled lab periods. The microorganisms that we use have no concept of clock time and respond only to their own schedules. You are expected to find the time to observe the results of your experiments during the days and times announced by your instructor. You may observe your results during the lab sessions of other class sections, **except** during the first part of each class when the instructor is providing the directions for the lab period, during quizzes, and during the set-up and administration of scheduled examinations. Please be as quiet as possible and act courteously when another class is in session. (For your planning, the days, times, and room numbers where other sections meet are listed at the top of page 1 of this syllabus.) The lab is available to you during the hours 6:00 a.m. to 9:00 p.m. Monday through Thursday and from 6:00 a.m. to 6:00 p.m. on Friday through Sunday. You may gain access to the lab when it is locked by swiping your UTSA Identification Card through the card reader on the Locknetics security lock on the lab door. This card reader is computerized. It reads your Banner number and records this number and the time of entry whenever you enter the lab. On weekends (except for the time AHS classes are scheduled) you must be accompanied by your partner preferably, or another current micro lab student while you are in the lab. Each student must swipe his/her card to record entry. **(There must be at least 2 persons in the lab always for safety purposes.)**
4. You are expected to read and understand the lab experiments for each day's class before class. Also, your lab manual has an introduction to each part (series of experiments). Read and understand the material in the introduction before doing any experiments from that part. (Quiz questions will come frequently from the introduction). You cannot perform well by attempting to conduct the experiment as you might follow a recipe. Being ignorant of the day's activities is unfair to your partner also.
5. Unless otherwise announced, all work that is handed in for grading must be your own work. (See paragraph 10 below for a discussion of scholastic dishonesty.) This idea should not suggest to you that you may not discuss and compare lab observations, findings, results, and conclusions, however, because you should. Whenever possible discuss your results with others. Such collaboration is a part of scientific inquiry.

6. Late reports for your unknown identification will not be accepted. A report is late if it is not submitted by the start of your class on the day reports are due as shown on your course outline. Reports may be submitted earlier.

7. Retain all graded work in the event a question arises regarding your grade. Extra credit work will not be assigned.

8. Your attendance is required at each lab session. Laboratory skills cannot be learned in absentia. If you must miss a session coordinate with your instructor, preferably for attendance during another section's lab period, or at another time agreeable to you and your instructor. Several skills with safety precautions are taught, practiced, and then used frequently during the course. You may not be permitted to attempt some procedures if you have missed the class when those procedures were covered. You will lose 3 points from your final course percentage grade for every lab period that you miss and do not make up in a reasonable time. What is reasonable will be determined by your instructor in consultation with the lab coordinator and will be based on the circumstances of your situation and the availability of necessary cultures, media, and equipment. If four or more periods are missed and not made up as of 5 o'clock the last Friday before the final exam you will receive an "F" for the course because of inadequate attendance.

9. Pace of work - We expect you to be reasonably industrious and to not waste time. Some things must be done with all due speed. One of the main reasons that you must read the experiments before you come to class is so that you will know before class when timing or speed of work is important. However, we would much rather have you spend whatever additional time in the lab that you require than to have you misuse time by going through motions that you do not understand or for which you do not understand the reason. Lab partners usually have to compromise on pace.

10. Part of the basis for your grade includes attendance, class participation, attitude, and cooperation - with fellow classmates, instructors, and lab support personnel. We, and hopefully you, will try to make this class both meaningful and fun. Your learning is important to us and to you. We want the learning of your lab partner(s) and fellow class members to be important to you also. If it is, you will do well with the percentage of your grade that is based on attitude, cooperation, etc.

11. The integrity of a university degree depends on the integrity of the work done for that degree by each student. The University expects a student to maintain a high standard of individual honor in all scholastic work (*Rules and Regulations of the Board of Regents, Chapter VI,3.(17)*). In order to protect the majority of you who do your own work, we require that you know the university stand on scholastic dishonesty. There are several projects and activities that you will accomplish during the semester that are specifically covered by the guidance provided in *UTSA Information* on the subject of "Scholastic Dishonesty," which you should read. If a student is accused of academic dishonesty, the faculty member may initiate disciplinary proceedings through the Division Director, the Dean of the College, and the Student Judicial Affairs Coordinator.

12. You have received a list of lab and safety rules. **KNOW AND OBSERVE THESE RULES.** SAFETY IS EVERYONE'S BUSINESS.

13. The final exam for your section is scheduled for:

Time: \_\_\_\_\_

Date: \_\_\_\_\_

To postpone the final exam due to dire circumstances such as personal illness or family emergency, you must follow the "Postponement of Final Examination Procedures" described in *UTSA Information*.

14. If you are, think that you are, or become pregnant during this semester, please notify your instructor of this fact. We will provide you with a list of the organisms that will be used during this lab (or during the remainder of the lab), which you should provide to your doctor. Your doctor can then advise you about additional precautions, if any, that you should take.

15. Cell phones, pagers, and other signaling devices brought into the lab will be turned off or set on silent mode during class AND, to prevent possible contamination, will be kept in your backpack, not on your person .

## SCHEDULE FOR AHS 1061, FALL 2007 (DT)

DATE	SUBJECT/EXPERIMENT(S)
28 AUG	INTRODUCTION; SAFETY AND LAB RULES; SCOPE ASSIGNMENT, INTERPUPILLARY AND DIOPTER SETTINGS AND LIGHT/LIGHT PATH ADJUSTMENTS AND SETTINGS
4 SEP	EX 1 AND 2A
11 SEP	EX 3 AND 4
18 SEP	EX 7, 8 AND 10, READ 12
25 SEP	EX 14, 21, 29, AND 30
2 OCT	EX 22, 24, 25, AND 28
9 OCT	UNKNOWN BACTERIUM IDENTIFICATION, (HANDOUTS)
16 OCT	<b><u>MIDTERM EXAMINATION</u></b> , CONTINUE UNKNOWN ID
23 OCT	EX 43 AND 45B, ( <b><u>PAPER DUE ON UNKNOWN ID</u></b> )
30 OCT	EX 62 AND 63
6 NOV	EX 61
13 NOV	EX 33 AND 34
20 NOV	<b><u>FINAL EXAMINATION</u></b> (CUMULATIVE)

## SCHEDULE FOR AHS 1061, FALL 2007

DATE	SUBJECT/EXPERIMENT(S)
24 & 25 AUG	INTRODUCTION; SAFETY AND LAB RULES; SCOPE ASSIGNMENT, INTERPUPILLARY AND DIOPTRIC SETTINGS, AND LIGHT/LIGHT PATH ADJUSTMENTS AND SETTINGS
31 AUG & 1 SEP	EX 1 AND 2A
7 & 8 SEP	EX 3 (MODIFIED) AND 4
14 & 15 SEP	EX 7, 8, AND 10, READ 12
21 & 22 SEP	EX 14, 21, 29, AND 30
28 & 29 SEP	EX 22, 24, 25, AND 28
5 & 6 OCT	UNKNOWN BACTERIUM IDENTIFICATION, (HANDOUTS)
12 & 13 OCT	<b><u>MIDTERM EXAMINATION</u></b> , CONTINUE UNKNOWN ID
19 & 20 OCT	EX 43 AND 45B, ( <b><u>PAPER DUE ON UNKNOWN ID</u></b> )
26 & 27 OCT	EX 62 AND 63
2 & 3 NOV	EX 61
9 & 10 NOV	EX 33 AND 34
16 & 17 NOV	<b><u>FINAL EXAMINATION (CUMULATIVE)</u></b>