A. COURSE INFORMATION

Course number/section:  BIMS 4371.001  
Class meeting time:  Monday 5:30 – 7:20pm  
Class location:  BH 128  
Course Website:  https://bb9.tamucc.edu/  
Lab  Tuesday 5:30 – 8:20pm  
Lab Location  CS 231

B. INSTRUCTOR INFORMATION

Instructor:  Tricia Rhoads, MS, MLS (ASCP), SM  
Office location:  N/A  
Office hours:  By appointment only  
Telephone:  361-437-9884  
E-mail:  tricia.rhoads@tamucc.edu  
Appointments:  Contact me at the above phone number, by email, or after class to make an appointment.

C. *Adjunct Office Hours:

Office hours are determined as follows:
1. The instructor will be available to meet with students with students 30 minutes before, or 30 minutes after each class meeting.
2. The instructor will be available to meet with students by individual appointment.

D. COURSE DESCRIPTION

Catalog Course Description
The focus of this course will be lecture and laboratory studies of parasitic, viral, acid fast bacilli, and mycological human pathogens. The emphasis will be on methods of isolation from body fluids, identification methods and correlation with pathology. Prerequisite: BIOL 2421. SMTE 0092 Biomedical Laboratory Safety Seminar is a co-requisite for this course. Documented completion of this safety training is required early in the semester for continued participation in this course. Safety training given during a laboratory meeting early in the semester is required for continued participation in this course.

Extended Course Description
This course will allow the student to have working tools in clinical parasitology and medical mycology. Parasite/host relationships and their effects, descriptions of life cycles of parasites, microscopic examination and preservation of specimens are stressed. General classification and characteristics of pathogenic fungi are presented.

E. PREREQUISITES AND COREQUISITES

Prerequisites
Prerequisite: BIOL 2421. SMTE 0092 Biomedical Laboratory Safety Seminar is a co-requisite for this course. Documented completion of this safety training is required early in the semester for continued participation in this course. Safety training given during a laboratory meeting early in the semester is required for continued participation in this course.

F. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook(s): None
We will be using the website: https://www.cdc.gov/dpdx/

Supplies
None

G. STUDENT LEARNING OUTCOMES AND ASSESSMENT

By the end of this course, students should be able to:

1. The procedures for the recovery of parasites, AFB, and fungi
2. The type of culture media, and the reagents used in the identification of parasites, AFB, and fungi of medical importance.
3. The life cycles of the parasites, AFB, and fungi of medical importance.
4. The pathological significance of human parasites, AFB, and fungi.
5. The distinguishing characteristics of parasites, AFB, and fungi.
6. Know common characteristics of Clinical Virology

H. INSTRUCTIONAL METHODS AND ACTIVITIES

PowerPoint lectures, case studies, and laboratory assignments will be used for instruction.

I. MAJOR COURSE REQUIREMENTS AND GRADING

The final grade will be based on the points scored on a comprehensive final examination, four term examinations, and graded laboratory and class evaluations.

Exam 1, 2, 3, 4 75%
Laboratory 25%

Unscheduled quizzes may be given during lecture and lab sessions and a zero will be given for a missed quiz. Points will be given for attendance.

All tests will be multiple choice and fill in the blank. All examination questions are keyed to the lecture and laboratory objectives. Examinations may be taken only during the scheduled time. Documented proof of emergencies is required.
### J. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>Lecture</th>
<th>(Monday 5:30 –7:20)</th>
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<tbody>
<tr>
<td>January 22</td>
<td>Lecture 1: Specimen Collection and Processing The Amebas</td>
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<td>January 29</td>
<td>Lecture 2: Flagellates and Hemoflagellates</td>
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<td>February 5</td>
<td>Lecture 3: Plasmodium and Babesia</td>
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<td><strong>February 12</strong></td>
<td><strong>Exam 1 &amp; Lecture 4 Nematodes and Filariae</strong></td>
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<td>February 19</td>
<td>Lecture 5: Cestodes and Trematodes</td>
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<td>February 26</td>
<td>Lecture 6: Arthropods and Artifacts</td>
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<td><strong>March 5</strong></td>
<td><strong>Exam 2</strong></td>
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<td><strong>March 12</strong></td>
<td><strong>Spring Break</strong></td>
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<td>March 19</td>
<td>Lecture 7: Yeast/Mold</td>
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<td>March 26</td>
<td>Lecture 8: Mold/Nocardia</td>
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<td>April 2</td>
<td>Lecture 9: Acid Fast Bacilli (AFB)</td>
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<td><strong>April 9</strong></td>
<td><strong>Exam 3 + Lecture 10: Acid Fast Bacilli (AFB)</strong></td>
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<td>April 16</td>
<td>Lecture 11: Clinical Virology</td>
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<td>April 23</td>
<td>Lecture 12: Clinical Virology</td>
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<td>April 30</td>
<td>Lecture 13: Clinical Virology</td>
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<tr>
<td><strong>May 9</strong></td>
<td><strong>Final Exam 4:30 – 7:00pm</strong></td>
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Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

### K. COURSE POLICIES

**Attendance/Tardiness**
Attendance is expected and is included in the grading policy.

**Late Work and Make-up Exams**
No late work will be accepted and no exams made up without an excuse.

**Extra Credit**
No extra credit is offered.

**Cell Phone Use**
Cell phones will be turned off during class and laboratory meetings.

**Laptop Use**
Laptops are not required but can be used during class and lab meetings.

**Food in Class**
No eating in the classroom or laboratory.
Missed Exam
Any missed exams must be discussed with the instructor and a different exam may be given to the student.

Participation
Participation is encouraged in the classroom and mandatory in the laboratory.

Others
Professionalism is practiced in the CLS program as students will be entering a professional environment in their clinical practicums and their careers.

L. COLLEGE AND UNIVERSITY POLICIES
• Academic Integrity (University)
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior.
  See Full University Policy at http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity

• Classroom/Professional Behavior

• Deadline for Dropping a Course with a Grade of W (University)
  The grade of W will be assigned to any student officially dropping a course by Friday, April 6, 2018. No student is eligible to receive a W without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must be submitted. After April 6, 2018 a student will not be allowed to drop a course.

• Grade Appeals (College of Science and Engineering)
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

• Disability Services
  Disability Services (DS) is the hub for coordinating services and accommodations to
ensure accessibility and utilization of all programs for all Texas A&M University-Corpus Christi students with disabilities. Our services are designed to meet the unique educational needs of enrolled students with documented permanent or temporary disabilities. DS provides intake and consultation services to students seeking to register with our office. DS reviews an individual’s documentation of disability and assesses eligibility for services and the determination of reasonable accommodations. For more information visit the Disability Services Office at 116 Corpus Christi Hall or go to http://disabilityservices.tamucc.edu/

GENERAL DISCLAIMER
I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.