Clinical Correlations: BIMS 4182
Clinical Laboratory Science Program
Dept. of Life Sciences
Summer Semester II

A. COURSE INFORMATION

Course number/section: BIMS 4182
Class meeting time: TR 4:00-5:30 p.m.
Class location: CS 112

B. INSTRUCTOR INFORMATION

Instructor: Dr. Jean Sparks
Office location: CS 130G
Office hours: By appointment
Telephone: 361-825-2359
E-mail: jean.sparks@tamucc.edu

C. COURSE DESCRIPTION

Catalog Course Description
Informal lectures covering the newest developments in laboratory medicine. Includes discussion of the patient’s clinical laboratory results, selection and interpretation of laboratory tests, and presentation of research. Requires permission of instructor.

D. PREREQUISITES AND COREQUISITES

Prerequisites
Enrollment in CLS Program

Corequisites
None

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

None

Reviews are presented by community clinical laboratory technologist/pathologists. For each disorder or group of closely related disorders, the following will be reviewed:

- patient’s symptoms, history, physical, possible diagnosis and other conditions to be considered
- laboratory tests chosen based on the above information and explanation of the reasoning behind the selection
- information gained from test results and decisions made based on the results
- final diagnosis and discussion of the diagnostics process including the physiology necessary to the explanation
F. **STUDENT LEARNING OUTCOMES AND ASSESSMENT**

Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

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

1. Recognize the pattern of laboratory results found in various disease states.
2. Appreciate the reasoning by which the physician selects tests to be performed in the laboratory.
3. Complete a written case study review on a given topic.
4. Give an oral presentation and interpretation of data obtained from selected case study.

G. **INSTRUCTIONAL METHODS AND ACTIVITIES**

Students will participate in case study reviews from instructor(s) in each subject area verbally and will present a case study of their choice, explaining the details of the laboratory results in terms of the patient’s health.

H. **MAJOR COURSE REQUIREMENTS AND GRADING**

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<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Case Studies</td>
<td>25%</td>
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<td>Quizzes</td>
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<td>Presentation</td>
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<td>Written report</td>
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I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>July 7</td>
<td>Introduction/Research Discussion</td>
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<tr>
<td>July 9</td>
<td>Hematology Cases</td>
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<td>July 14</td>
<td>Transfusion Medicine</td>
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<td>Heme Quiz</td>
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<td>July 16</td>
<td>Chemistry Cases</td>
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<td>BB Quiz</td>
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<td>July 21</td>
<td>Microbiology Cases</td>
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<td>Chem Quiz</td>
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<td>Research Presentation (1)</td>
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<td>July 23</td>
<td>Research Presentations (2)</td>
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<td></td>
<td>Micro Quiz</td>
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<td>July 28</td>
<td>Research Presentations (3)</td>
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<td>July 30</td>
<td>Research Presentations (3)</td>
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<td>August 4</td>
<td>Research Presentations (2)</td>
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<td>August 6</td>
<td>Final</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.

J. COURSE POLICIES

Cell Phone Use
No cell phone use during clinical rotations in the laboratories.

Missed Exam
Will be given in the instructor’s office when convenient for student and instructor.

K. 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_Integrit
**Classroom/Professional Behavior**
Clinical laboratory science students must follow the professional standards for personal appearance, personal conduct, patient care and medical ethics. The students must follow hospital regulations during the clinical experience. The students are to report to work on time, and notify section supervisors whenever he/she is unable to show up to work at the expected time. After proper counseling, the program has the right to dismiss any student who refuses to follow these professional standards.

**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, July 24, 2015. 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 July 24, 2015 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.