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

A. COURSE INFORMATION

Course number/section: CLSC 4182
Class meeting time: TR 4:00-5:30 p.m.
Class location: BH 127

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

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**

2
<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>July 9</td>
<td>Introduction/Research Discussion</td>
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<td>July 11</td>
<td>Hematology Cases</td>
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<td>July 16</td>
<td>Transfusion Medicine</td>
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<td>Heme Quiz</td>
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<td>July 18</td>
<td>Chemistry Cases</td>
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<td>BB Quiz</td>
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<td>July 23</td>
<td>Microbiology Cases</td>
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<td>Chem Quiz</td>
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<td>Presentation (1)</td>
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<td>July 25</td>
<td>Presentations (2)</td>
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<td>Micro Quiz</td>
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<td>July 30</td>
<td>Presentations (3)</td>
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<td>August 1</td>
<td>Presentations (2)</td>
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<td>August 6</td>
<td>Review</td>
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<td>August 8</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)**
  University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a failing grade.

- **Classroom/Professional Behavior**
Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

- **Statement of Civility**
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

- **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. Please consult with the instructor before you decide to drop to be sure it is the best thing to do. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Should dropping the course be the best course of action, visit the Office of the University Registrar for the Course Drop Form that must submitted. No student is eligible to receive a W without completing the official drop process by this deadline. Please consult the Academic Calendar [http://www.tamucc.edu/academics/calendar/](http://www.tamucc.edu/academics/calendar/) for the last day 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](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](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**
  The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

  If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

  [http://disabilityservices.tamucc.edu/](http://disabilityservices.tamucc.edu/)

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

**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.