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: W 4:00-5:30 p.m.
Class location: OCNR 222

B. INSTRUCTOR INFORMATION

Instructor: Dr. Jean Sparks
Office location: CS 130G
Office hours: By appointment, T 9-11am, W 9-11am, R 9-10am
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 and application.

Extended Course Description
This course includes informal lectures covering newest developments in laboratory medicine, discussion of patients’ clinical laboratory results, and selection and interpretation of laboratory tests. The course includes continuation of literature review, oral presentation and written report on selected topics.

D. PREREQUISITES AND COREQUISITES

E. REQUIRED TEXT: None

Reviews are presented by community clinical laboratory technologists/pathologists/faculty. 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.

At the completion of the course, the student will 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 review and case study questions from instructor in each subject area verbally and will select a case study for presentation during the class.

H. MAJOR COURSE REQUIREMENTS AND GRADING

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Case Studies/Quizzes</td>
<td>50%</td>
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<tr>
<td>Case Study: Presentation</td>
<td>25%</td>
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<tr>
<td>Case Study: Written Report</td>
<td>25%</td>
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<tr>
<td>Presentation</td>
<td>50%</td>
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I. COURSE CONTENT/SCHEDULE

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<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>July 5</td>
<td>Intro/Case Study Discussion</td>
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<td>Sparks</td>
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<td>Thursday</td>
<td>July 7</td>
<td>Hematology Cases</td>
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<td>Heme Quiz</td>
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<tr>
<td>Tuesday</td>
<td>July 12</td>
<td>Transfusion Medicine</td>
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<td>Microbiology Cases</td>
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<td></td>
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<td>BB Quiz</td>
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<tr>
<td>Thursday</td>
<td>July 14</td>
<td>Chemistry Cases</td>
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<td>Groups 1, 2</td>
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<td></td>
<td></td>
<td>Micro Quiz</td>
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<tr>
<td>Tuesday</td>
<td>July 19</td>
<td>Presentations</td>
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<tr>
<td></td>
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<td>Groups 3, 4, 5</td>
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<tr>
<td></td>
<td></td>
<td>Chem Quiz</td>
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<tr>
<td>Thursday</td>
<td>July 21</td>
<td>Presentations</td>
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<td>Groups 6, 7, 8, 9</td>
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<tr>
<td>Tuesday</td>
<td>July 26</td>
<td>Presentations</td>
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<td>Groups 10, 11, 12</td>
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Thursday        July 28       Final
Tuesday         August 2     ASCLS Philadelphia 2016
Thursday        August 4     ASCLS Philadelphia 2016

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_Integrity

- 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.

  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.

- 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 22, 2016. 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 22, 2016 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
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/