

**Dakota College at Bottineau Course Syllabus
Spring Semester, 2011**

Course Prefix/Number/Title:
AH266 Laboratory and Radiology Diagnostics

Number of credits: 2

Course Description:

This course has been designed to provide the student with basic knowledge of Laboratory and Diagnostic procedures by body systems, radiology and pathology procedures.

Course Objectives:

This course will provide the student with up-to-date, essential information on clinically relevant laboratory and diagnostic tests. It is expected that the student will be able to

- *Identify key terms, abbreviations, and acronyms for various lab/diagnostic tests
- *Identify and describe commonly used blood tests/normal and abnormal results
- *Understand various body fluid tests used to diagnose diseases
- *Identify and understand commonly used radiographic studies with normal and abnormal results
- *Understand basic endoscopic studies/normal and abnormal results

Instructor:

Joanne R. Vandal, RN

Phone:

701-228-2941 (home)

701-263-1435 (cell)

E-mail address:

joannevandal@yahoo.com

Lecture/Lab Schedule:

Wednesday, 4:00pm-5:50pm

Textbook:

Mosby's Diagnostic and Laboratory Test Reference, 9th Edition

Authors Pagana & Pagana

Relationship to Campus Theme:

A focus on the natural, human condition as it relates to Laboratory and Diagnostic Tests in the United States- Discovering how these tests can help diagnose diseases.

Course Requirements:

- 3 Exams, 75 pts each, (non-cumulative)
- 5 (minimum-perhaps more) graded assignments, 25 pts each, rubric given
- 2 (minimum- perhaps more) Case study assignments, 50 pts each, rubric given
- 1 Research Paper and Oral Report, 75 pts, rubric given

All exams will carry equal weight. The final grade will be on total points for the course including exam points and points for assignments given.

Grading:

- 94-100% A
- 86-93.9% B
- 74-85.9% C
- 64-73.9% D
- <63.9% F

Classroom Policies

Class attendance is expected. After the third missed class period, the grade will drop by one letter for each class missed after 3.

It is the student's responsibility to read the assigned text before we cover that particular chapter in class, as it aids in your understanding of the course material. Deadlines on assignments are final, and late work will be deducted 10% for every day it is late.

Dates of all exams will be announced before hand. Students are expected to take exams on scheduled date unless prior arrangement has been made with the instructor. Notification must take place before the class is to begin. An email or message may be left using the information above. Classroom IVN techs are NOT to be expected to schedule exam make-up times!!

Students may be expected to present class lectures as part of the teaching/learning strategy and to encourage student participation. The academic experience should include interaction and participation from all involved to help facilitate a higher level of learning.

Please show respect to others in the class by turning off cell phones and other electronic devices. Lap tops are not a required part of this class so they will not be allowed to be operated during lecture periods.

Respectful behavior toward other students, technicians, instructors, and guests is expected of everyone.

Academic Integrity:

Webster's Encyclopedia Unabridged Dictionary defines plagiarism as: "the appropriation or imitation of the language, ideas, and thoughts of another author, and representation of the as one's original work." There will be zero tolerance of any form of academic dishonesty. Anyone not adhering to the academic integrity policy will receive an "F" in the course. This includes cheating on test, not doing own work, and plagiarism. References will be checked.

Disabilities and Special Needs

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact your instructor and Jan Nahinurk in the Learning Center (228-5479) as early as possible during the beginning of the semester.

Tentative Course Outline:

Week 1: Introduction to Clinical Lab

Week 2: Blood Cell Tests

Week 3: Blood Chemistry Tests

Week 4: Coagulation Studies

Week 5: ***Test- Research Paper Assignment***

Week 6: In Class Case Study Assignment

Week 7: Infectious Diseases & Immunodiagnostic Blood Tests

Week 8: Urine & Fecal Studies

Week 9: Culture & Sensitivity Tests

Week 10: Radiology Studies

Week 11: ***Test***

Week 12: In Class Case Studies Assignment

Week 13: Nuclear Medicine Studies

Week 14: Endoscopy Studies

Week 15: Ultrasound Studies

Week 16 Review for Final Exam

Week 17: **Final Exam**