

**LANCASTER GENERAL COLLEGE OF NURSING & HEALTH SCIENCES
CLINICAL LABORATORY SCIENCE PROGRAM**

**SYLLABUS
Spring 2007**

- I. Title: **CLS 102 Laboratory Techniques II – Urinalysis**
- II. Course Description: This course provides a review of the anatomy and physiology of the urinary system and an introduction to the biochemical and microscopic examination of the urine. Renal function and disease, normal and abnormal urinary constituents and the tests used to examine urinary sediment are included.
- III. Prerequisite: Admission into the Clinical Laboratory Science program
- IV. Placement: Basic theory is given in the spring semester. Clinical instruction takes place during clinical practicum.
- V. Time Allotment: 21 hours
- VI. Faculty: Wendy S. Gayle, MS, MT(ASCP), CLS(NCA)
Office: 410 N. Lime St.
(717)544-7208
wsgayle@lancastergeneral.org
- VII. Credits: Part of Laboratory Techniques II
- VIII. Evaluation:
- | | |
|--------------------|-----|
| Quizzes | 25% |
| Assignments | 25% |
| Comprehensive Exam | 50% |
- **A grade of 74% is required to pass this course.**
- IX. Textbook: S.K.Strasinger. Urinalysis and Body Fluids, F.A. Davis Co, 4th ed., 2001
- X. Other Resources: Videos: Water (Living Body Series)
The KOVA System of Urinalysis (Hycor Biomedical)
The Human Urinary System
- CD-ROMs: Urinalysis by Test Strips & Interpretation of Results (Chronocomb)
Formed Elements - A Visual Tour of Microscopic Urinalysis
- Collection of CAP, ASCP, & MedCom Kodachromes
- XI. Course Objectives: By the conclusion of the course, the student must be able to:
1. cite the major considerations in collection and handling of samples for urinalysis testing.

CLS 102 Laboratory Science Seminar – Urinalysis

Syllabus

Page 2 of 3

2. summarize the anatomy & physiology of the urinary system
3. discuss examination of urine samples including appropriate tests, principle of tests, interfering substances and interpretation of results in the following areas:
 - a. physical testing
 - b. chemical testing
 - c. microscopic evaluation
4. identify the common formed elements in urinary sediment

XII. School Policies: Students are held accountable for all policies in the Student Handbook and any revisions made to those policies during the academic year.

XIII. Class Requirements: A. Student Responsibility for Missed Material

Students are responsible for all material presented and announcements made in class, regardless of attendance. It is the student's responsibility to obtain materials and assignments if absent

B. Unit Examinations

Examinations should only be missed in extenuating circumstances with approval of the instructor. A student who misses an exam will be required to make up the exam on the next day of lecture. Contact the instructor prior to the next lecture day to make arrangements to take the exam. A student who misses an exam, without instructor approval, will have ten percent (10%) deducted from the grade achieved on the exam. Example: The exam is worth sixty (60) points, the student takes the exam and achieves a grade of 52/60. The score of 52 is then decreased by 10% or five points; thus, the grade on the exam will be 47/60. An alternate exam may be given for the makeup exam.

C. Class Behavior

Once class has started, the instructor has the prerogative not to admit students into lecture. Students will be dismissed from class for any inappropriate behavior.

XIV. Policies & Procedures: A. Importance of Attending Class

Healthcare education comprises more than just private reading and passing of exams. Students shall recognize that active and informed participation in class is essential to the development of intellectual abilities and scholarly growth. Students must also recognize the importance, for both the present and future, of achieving an academic

record that reflects their intellectual ability. Such records are seldom achieved without regular attendance and participation in class activities. Attendance will be taken.

B. Written Assignments

All submitted written work must follow the College of Nursing and Allied Health Writing Guidelines.

C. Academic Dishonesty and Plagiarism

Academic dishonesty violates the spirit and purpose of an academic community and is therefore subject to disciplinary action. Academic dishonesty includes cheating on exams and unauthorized duplicate submission of work.

Plagiarism is an act of academic dishonesty. Any work submitted that is not your own is plagiarism. In preparing assignments, you must acknowledge in writing any use of outside sources or any assistance you received in preparing an assignment.

If an instructor believes a student has committed an act of academic dishonesty or has plagiarized material, the instructor will award a failing grade for that assignment. If the occurrence is during an exam, the student will receive a zero for that portion of their grade and must leave the room.

If the student disagrees with this decision, the student may follow the grievance procedure.

XV. Revisions:

This syllabus is subject to revision by the faculty at any time.