

AHS 107

CLINICAL COMPUTATIONS

COURSE: AHS 107

INSTRUCTOR: CHERYL DOUGLASS, RN BSN,

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Office hours: posted each semester outside office door and by appointment with individuals.

COURSE DESCRIPTION: This course is a study of the principles and applications of computations used in the clinical setting.

CREDIT HOURS: 2 credits (2 hours of lecture per week)

TEACHING STRATEGIES: Lecture, class discussions, reading assignments, individual and group presentations, small group practice sessions, skill demonstrations, audio-visual materials, paper and pencil tests.

REQUIRED TEXTS AND SUPPLIES

Brown, M., Dosage Calculations, Process and Problems for Clinical Practice, Mosby, St. Louis, Missouri, 2008, 8th edition.

ID POLICY

It is mandatory that every student wear his/her ID at all times when on campus. Failure to wear ID badge will result in the student not being allowed in class.

ELECTRONIC DEVICES

All electronic devices (cell phones, pagers, etc.) must be turned off during class. These devices are not part of the instructional environment and may be confiscated by the instructor if utilized during class time. If you are a member of emergency preparedness, you must have authorization from the Vice-President of Student Services to keep your device during class.

CLASS POLICY

- 1) During a test, anyone caught exchanging information or copying someone else's work will receive a grade of "F" for the test.
- 2) NO food or beverages are allowed in the classroom. Water is permitted.
- 3) Student's must wear their College ID at all times
- 4) Instructor reserves the right to have students to alter seating arrangements during test.
- 5) All personal belongings will be placed in front of classroom prior to any test.
- 6) Failure to put your name on test paper will result in a grade of zero for that test.

7) Missed Pop Quizzes will result in a grade of zero.

METHOD OF EVALUATION

Unit tests	70%
Quizzes	10%
Final Exam	20%

If no quizzes are given, the tests will be worth 80%.

GRADING SCALE

A.....	93 – 100
B.....	86 – 92
C.....	78– 85
D.....	71 –77
F.....	70 and below

A grade of “C” or better is required for successful completion of AHS 107.

ALL STUDENTS MUST MAINTAIN A “C” OR BETTER IN EACH COURSE TO REMAIN IN THE PRACTICAL NURSING PROGRAM.

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):

Academic Discipline and Honesty:

NETC honors the State Technical Student Code with regard to Academic Dishonesty. Students should read page 46 of the NETC Course Catalog 2008-2010. A copy of the Student Code is available at www.netc.edu

Statement on Written Assignments:

The instructor reserves the right to refuse any paper, which is messy or unreadable, or appears to be copied. Incorrect grammar and spelling errors will be noted. Papers will be graded on the basis of content, organization, grammar, and neatness.

Attendance and Tardy Policy:

The student is responsible for material covered in any class or lab. A student may miss a maximum of up to 10% of scheduled class hours. It is strongly advised that students attend all classes.

Three tardies will equal one absence. A student will be considered tardy if he/she comes into the classroom after the roll has been called.

Classroom Etiquette:

An integral part of an education is developing a sense of integrity and responsibility, not only toward the instructor, but also toward others. In the classroom, as on the job or in your home, exhibiting appropriate behavior reflects on your maturity. Arriving late to

class, being unprepared, inappropriate talking while class is in session, etc. negatively reflects on you and your fellow students. Please be considerate.

TENTATIVE COURSE OUTLINE

Week 1	Chapter 2	Ratio and Proportion
Week 2		
Week 3	Test #1	
Week 4	Chapter 3	Safe Medication Administration
Week 5	Test #2	
Week 6	Chapter 4	Drug Measurements and Dose Calculations
Week 7	Chapter 5	Medications from Powders and Crystals
Week 8	Test #3	
Week 9	Chapter 6 & 7	Basic/Advanced Intravenous Calculations
Week 10	Chapter 8	Parental Nutrition
Week 11	Test #4	
Week 12	Chapter 9 & 10	Insulin and Anticoagulants
Week 13	Chapter 11	Children's Dosages
Week 14		
Week 15	Test #5	

***NOTE: The above information is a general outline of the material covered. The instructor reserves the right to alter the material either adding to or deleting from the list, as conditions and time allows.**

COURSE LEARNING OUTCOMES: Upon successful completion of this course the student will be able to:

1. State with accuracy the household, apothecaries and metric systems of measurement and conversion between systems.
2. Act as a patient advocate demonstrated by the ability to provide safe, direct patient care by calculating correct dosages for oral and parental medications for adults and children.
3. State the meaning of terms and abbreviations commonly used in the administration of medications.
4. Utilize information provided in course to teach health-related information to patients and family members on medication administration.

PROGRAM LEARNING OUTCOMES

1. Students will be able to apply mathematical/computational skills to solve problems.

COLLEGE WIDE COMPETENCIES:

Apply mathematical/computational skills to solve problems.

GUIDELINES FOR AHS 107 STUDENTS:

1. All written work must have your name on it or you will receive a grade of zero for that assignment.
2. Students are expected to be fully prepared for each class.
3. Assignments are to be turned in at the assignment time. If you are unable to turn in the assignment, make arrangements to have the assignment turned in for you.
4. There will be no retest. Make up test will be allowed only for valid excuses for missing the examination and prior contact is made, when possible, with the designated instructor. A grade of "F" will be recorded for any tests missed. If a problem should arise, a test may be taken early at a time established by the Instructor. To be eligible to makeup a test the student must contact the instructor, when possible, prior to class on the day the test is scheduled. The student may leave a phone message or email explaining their situation and the timestamp on message must meet the deadline stated in the previous sentence. The instructor will return the call or respond to the email indicating if the excuse is acceptable and the day and time the test can be taken. The instructor reserves the right to administer a completely different make-up test.

If you are allowed to makeup a test it will be left in the Success Center. The student must show school identification to obtain the test. It is the student's responsibility to be aware of the operating hours of the Success Center.

All assignments must be turned in on the assigned date. If a student is absent from school on the assigned date, he/she should make arrangements for the assignment to be turned in.

The student will be responsible for identifying missed material given during their absence. The student may make an appointment with the instructor to receive information on assignments, material covered in class, etc.

5. Tests will be returned as soon as possible. In class tests will not be returned until all students have taken the test. Tests are not to be taken from the classroom and must be returned to the instructor after review. Students are welcomed to view tests at later dates, but student must make an appointment with the instructor.
6. Students will be expected to maintain professional conduct at all times in the classroom (please see student nurse handbook).
7. Lecture test will be returned in class. Any questions that student may have regarding any test questions are to be brought to the instructor in her office. Valuable lecture time is needed for class.
8. NO Food or drink is allowed in the classroom. Water is permitted.

DISABILITIES

Students with disabilities are encouraged to contact the Vice-President for Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice-President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. Please refer to page 54 in the 2008-2010 Course Catalog or on the college website @ www.netc.edu