PHRA 1209 PHARMACY MATHEMATICS I
Syllabus, Spring 2012
Vernon Sandoval Jr. CPhT.

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M&W 8:00 - 8:50 AM

Office Hours: TBD or by appointment. If you have any questions or concerns, please talk to me before or after class or call for an appointment.

Credit Hours: 3

Course Description: Pharmaceutical mathematics including reading, interpreting, and solving calculation problems encountered in the preparation and distribution of drugs. Conversion of measurements within the apothecary, avoirdupois, and metric systems with emphasis on the metric system of weight and volume. Topics include ratio and proportion, percentage, dilution and concentration, milliequivalents, units, intravenous flow rates, and solving dosage problems.

Course Objectives: Solve problems using addition, subtraction, multiplication, and division of whole numbers, mixed numbers, fractions, decimals and percentages; demonstrate conversion from Roman numerals to Arabic numerals and from degrees Centigrade to degrees Fahrenheit and vice versa; list the conversion factors for the most frequently used measurement systems in the pharmacy; solve pharmaceutical problems that require conversion between different systems for measurement including household, metric, apothecary, and avoirdupois; calculate the proper dose for an adult or pediatric patient; and calculate the correct flow rate for IV admixtures to deliver the appropriate amount of the drug and/or fluid prescribed.


Grading:

Grading Scale:
A =90-100
B =80-89
C =75-79
D =60-74
F = Below 60

A final grade of 75 is needed to pass the course.

Lecture Exams: Each exam will cover lecture in class and textbook information. Final will be Comprehensive. Exams will be in multiple choice format. Be sure to bring a scantron and two pencils to each exam. No programmable calculators can be used during any of the exams. Instructor reserves the right to reschedule exam.
Make Up Policy: If time permits and not conflicting with any other class obligation, a make up will be allowed on only one exam. Each missed exam after will be awarded a zero.

Attendance: Attendance is required! Attendance will be taken at every lecture. If absences exceed three (3) during the semester the student will lose one (1) letter grade for each additional absence unless there are documented medical or other emergencies. A student who is five (5) minutes late is considered tardy. Three (3) tardies constitute one absence. If the student is absent, the student is responsible for contacting the instructor to obtain any assignments or handouts. Attendance is not only essential for success in program but also in developing professionalism. In short, DON’T BE LATE OR ABSENT! Life altering events will be taken into consideration on a case by case basis.

Cell phones should be turned off during class and lab. If you must take a call, leave the class but you are responsible for material that you miss. ABSOLUTELY NO TEXTING DURING CLASS! If you are caught texting during class you will be excused from the class for the day. If you are caught texting during an exam or quiz you will be awarded a zero.

Sexual harassment: see student handbook pg. 7

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g)

Academic Dishonesty: Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Board policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion. (See the Student Handbook for further explanation of Scholastic Dishonesty.)