ANGELO STATE UNIVERSITY
GENERIC BACHELOR of SCIENCE in NURSING

NUR 3108
DOSAGE CALCULATION IN NURSING
FALL 2018
PAUL OSMANSKI; MSN, RN

ANGELO STATE UNIVERSITY
Department of Nursing
COURSE NUMBER
NUR 3108

COURSE TITLE
DOSAGE CALCULATION IN NURSING

CREDITS
One Semester Credit Hour (1-0-0)

PREREQUISITE COURSES
None

CO-REQUISITES
NUR 3305

PRE-REQUISITE SKILLS
Accessing internet web sites, use of ASU Library resources and proficiency with Microsoft Word and/or PowerPoint are an expectation of the Generic BSN program. Computer access requirements are further delineated in the Undergraduate Handbook. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU Nursing Program Undergraduate Student Handbook should be reviewed before taking this course.
http://www.angelo.edu/dept/nursing/handbook/index.html

COURSE DELIVERY
This is an in class, face-to-face course delivery that meets on Tuesday from 1100 until 1200 in room HHS 106. There are online components using http://blackboard.angelo.edu and other online components.

BROWSER COMPATIBILITY CHECK
It is the student’s responsibility to ensure that the browser used to access course material on his/her computer is compatible with ASU’s Blackboard Learning System. The faculty reserves the right to deny additional access to course assignments lost due to compatibility issues. Students are responsible for reviewing the guidelines posted in this course regarding accessing Blackboard assignments. Problems in this area need to be discussed with faculty at the time of occurrence, either via a phone call (preferred) during posted acceptable hours for calling or via email notification during times outside those posted for calls.

Be sure to perform a browser test. Select the “Support” tab from the Blackboard homepage (http://www.blackboard.angelo.edu) Select “Test your Browser” option.

Please see technical requirements for GBSN classes at this link:
http://www.angelo.edu/dept/nursing/student_resources/
FACULTY
PAUL OSMANSKI; MSN, RN
Office: HHS 318H
Phone: (325) 486-6858 (OFFICE); (325) 444-5551 (PAGER); 325-651-9777 (HOME)
Fax: (325) 942-2236
Eddress: Paul.Osmanski@angelo.edu

OFFICE HOURS
Tuesday 1200-1300. This time is reserved for NUR 3108 students with other times by appointment.

COURSE DESCRIPTION
Dosage calculation includes reading, interpreting and solving calculation and other problems encountered during the process of nursing care and administering medications or fluids.

COURSE OVERVIEW
Emphasis is placed on dosage calculation necessary to care for all clients encountered in the care taking realm.

BSN PROGRAM OUTCOMES
Upon completion of the program of study for the Generic BSN, the graduate will be prepared to:
1. Integrate nursing and related theories into the planning and/or delivery of safe nursing care.
2. Engage leadership concepts, skills and decision-making in the planning and/or implementation of patient safety and quality improvement initiatives.
3. Identify and appraise best research evidence to improve and promote quality patient outcomes.
4. Utilize technology to access information, evaluate patient data and/or document care.
5. Participate in political/legislative processes to influence healthcare policy.
6. Engage in effective collaboration and communication within interdisciplinary teams.
7. Design and/or implement health promotion & disease prevention strategies for culturally competent care.
8. Demonstrate standards of professional, ethical, and legal conduct.
9. Practice and/or coordinate, at the level of the baccalaureate prepared nurse, to plan and/or implement patient centered care.

STUDENT LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Student Learning Outcome</th>
<th>Assignment(s) or activity(ies) validating outcome achievement:</th>
<th>Mapping to BSN Program Outcomes</th>
<th>Mapping to BSN Essentials</th>
<th>Mapping to QSEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Solve dosage calculation and medication administration problems using a critical thinking approach.</td>
<td>Assignments, Quizzes, Examinations</td>
<td>1, 2, 3, 4, 5, 6</td>
<td>II, III, IV</td>
<td>PCC, TC, S</td>
</tr>
</tbody>
</table>
REQUIRED TEXTS AND MATERIALS

Simple Calculator. You are forbidden from using a programmable calculator or one with conversion factors built into the unit. You may not use anything other than a simple calculator or paper and pencil for testing purposes. It is suggested to use a calculator which uses both solar and/or battery power, has simple functions, big buttons and a big display. These are relatively inexpensive. If you have questions about your calculator legitimacy see me and I'll answer your questions. You may not use your mobile phone for exams or quizzes.

Texas Board of Nurse Examiners Nurse Practice Act. Standards 217.11 & 217.12

Active ASU computer account

OTHER REQUIRED MATERIALS
- Computer with MAC or Windows Operating System
- High Speed Internet Access
- ATI and EHR TUTOR account
TOPIC OUTLINE
Unit I: Nursing Language
Unit II: Systems of Measurement
Unit III: Dimensional Analysis
Unit IV: Oral Medication Calculations
Unit V: Parenteral Medication Calculations
Unit VI: IV Infusions & Medications
Unit VII: Weight Based Meds
Unit VIII: Intake & Output

GRADING SYSTEM
Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 90.00-100 points
- B = 80.00-89.99 points
- C = 70.00-79.99 points
- D = 60.00-69.99 points
- F = 0-59.99 points

(Grades are not rounded up for any exams, quizzes or assignments nor final course grade.)

EVALUATION AND GRADES
Graded items and percent of the overall course grade:

- Midterm Exam 26%
- Final Examination 34%
- Assignments 20%
- Quizzes 20%
- COURSE GRADE 100%

TEACHING STRATEGIES
Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (beyond the materials and lectures presented in the course) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material and clinical experiences with their peers.

ASSIGNMENT/ACTIVITY DESCRIPTIONS

Quizzes:
Expect weekly quizzes related to material presented during previous classes or material to be presented that day.
**Assignments:**
Expect weekly assignments in the Olsen text, ATI online, Blackboard postings or other assigned material. Your Olsen text is to be turned in for homework assignments. If you possess an electronic text then you will need to print up your homework and turn it in to me.

**Exams:**
There are two major exams during the semester. One near midterm (probably October 30th) and the Final Exam will be given Tuesday, December 11th, 2018 from 1030-1230 hrs. Both exams will be given in the Skills Labs; HHS 306 & 312.

**Policy on Dosage Calculation Mastery:**
Students are required to be 100% proficient with dosage calculation or remediation and retesting will be required until student achieves 100% proficiency. This includes the midterm exam and final exam only. If after 3 attempts the student is unable to achieve a 100% proficiency the student may be removed from the course and will receive a grade of “F”. A student must demonstrate dosage calculation mastery to continue in the course and GBSN program. Dosage calculation perfection is the standard for ASU nursing.

**GENERAL POLICIES RELATED TO THIS COURSE**
All students are required to follow the policies and procedures presented in the following documents:
- ASU Undergraduate Catalog located on the ASU website [http://www.angelo.edu/student-handbook/](http://www.angelo.edu/student-handbook/)
- ASU Nursing Program Undergraduate Student Handbook, located on the Nursing website

**STUDENT RESPONSIBILITY & ATTENDANCE**
Class attendance is necessary and required for successful and satisfactory completion of all course objectives; therefore, students must attend all course sessions. If a situation arises that prevents the student from attending the student should contact the instructor. According to the Nursing Student Handbook, a week’s worth of cumulative absences in any one course will result in faculty evaluation of the student’s ability to meet course objectives and may result in failure of the course. Three tardies (over 5 minutes late for lecture, campus laboratory, or clinical) will equal 1 hour of absence. If you are late to class you are required to see me personally immediately after class. Failure to meet these requirements hinders the student’s ability to complete the course. Attendance will be checked for each lecture.

**COMMUNICATION**
I will respond to email and/or telephone messages as promptly as possible during working hours Monday through Friday. Weekend messages may not be returned until Monday or Tuesday. If you have an issue you feel is important for me to know about immediately, call my pager. If I have not responded to your email and/or telephone messages within the time frame you expect,
call my pager. Chances are I have not seen or heard your message so call my pager. If you need help with a calculation problem and have exhausted all your other options, call my pager.

Written communication via email: All private communication will be done exclusively through your ASU email address. Check Blackboard frequently for announcements.

ASSIGNMENT SUBMISSION

Most assignments (your Olsen text) will be usually be submitted before 1100 on Tuesdays. Anything different will be posted on Blackboard.

LATE WORK OR MISSED ASSIGNMENTS POLICY

There are no makeups for quizzes. Assignments turned in late will receive no credit without prior permission. The midterm exam may be made-up with prior notification of faculty. There is no make up for the final exam.

IMPORTANT UNIVERSITY DATES

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>August 28 (T)</td>
<td>First day of classes for NUR 3108</td>
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<td>September 3 (M)</td>
<td>Labor Day Holiday; University is closed. No classes.</td>
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<tr>
<td>November 1 (R)</td>
<td>Last day to drop a class or withdraw from the University for regular Fall Semester</td>
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<tr>
<td>Nov. 21-23 (W-F)</td>
<td>Thanksgiving Holiday; University is closed; No classes.</td>
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<tr>
<td>December 11 (T)</td>
<td>FINAL EXAM NUR 3108</td>
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<td>December 14 (F)</td>
<td>Nursing Pinning Ceremony; UC Ballroom; 1800 hours</td>
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<tr>
<td>December 15 (Sat)</td>
<td>Commencement/ Graduation; Junell Center 1000 hours</td>
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ACADEMIC INTEGRITY

Academic honesty is expected on all work. Students are expected to maintain complete honesty and integrity in their educational experiences. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. All codes and policies are set forth in the University Student Handbook of Angelo State University [http://www.angelo.edu/student-handbook/](http://www.angelo.edu/student-handbook/) as well as the Department of Nursing Undergraduate Student Handbook [http://www.angelo.edu/dept/nursing/handbook/index.html](http://www.angelo.edu/dept/nursing/handbook/index.html).

PLAGIARISM

Plagiarism at ASU is a serious topic. The Angelo State University’s Honor Code gives specific details on plagiarism and what it encompasses. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word for word without quotation marks and the source of the quotation. We use the APA Style Manual of the American Psychological Association as a guide for all writing assignments. Quotes should be used sparingly. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Bb Safe Assignment or Turnitin. Resources to help you understand
SOCIAL MEDIA POLICY
“The Angelo State University Nursing Program supports the use of social media in personal/non-academic or non-professional contexts.” Nursing students are expected to engage in professional behavior during didactic/lecture sessions. This professional behavior excludes engaging in social networking (blogs, Twitter, Facebook, texting, surfing the internet, etc.) during lecture time. Any student caught during lecture time engaging in social media, not otherwise authorized by the instructor, will be asked to leave the class and will receive an unexcused absence for that lecture time. It is acceptable to engage in social networking before class, during lecture time breaks and after class time. Please refer to the Department of Nursing Undergraduate Student Handbook, on the Nursing website, for further clarification of expected professional behavior related to social networking.

PERSONS WITH DISABILITIES AND SPECIAL ACCOMMODATIONS REQUEST
“Disability Services is part of the Office of Student Affairs at Angelo State University. Angelo State’s Office of Student Affairs works to ensure that qualified students with disabilities have equal access to all institutional programs and services. The office advocates responsibly for the needs of students with disabilities and educates the campus community so that others can understand and support students with disabilities.”

For more information on learning disabilities and how to apply for accommodations through the ASU Disability Services visit http://www.angelo.edu/services/disability-services/

The following includes contact information for Disability Services at ASU:

    ada@angelo.edu

    Phone: 325-942-2047

    Fax: 325-942-2211

    Address: Houston Harte University Center, 112, ASU Station #11047, San Angelo, TX 76909

INCOMPLETE GRADE POLICY (OP 10.11 Grading Procedures)

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required.

STUDENT ABSENCE FOR OBSERVANCE OF RELIGIOUS HOLY DAYS
“A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence.” Please see ASU Operating Policy 10.19.
COPYRIGHT POLICY
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

SYLLABUS CHANGES
The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email and course announcements. It is the student’s responsibility to look for such communications about the course on a daily basis.

WEBLINKS
Board of Nursing for the State of Texas http://www.bne.state.tx.us/
BSN Student Resources http://www.angelo.edu/dept/nursing/student_resources/

STUDENT EVALUATION OF FACULTY AND COURSE
Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences.

Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.

Areas of evaluation include:
1. Gaining factual knowledge (terminology, classifications, methods, trends)
2. Learning fundamental principles, generalizations, or theories
3. Learning to apply course material (to improve thinking, problem solving, and decisions)
4. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
5. Acquiring skills in working with others as a member of a team
6. Gaining a broader understanding and appreciation of intellectual activity.
7. Developing skill in expressing oneself orally or in writing
8. Learning how to find and use resources for answering questions or solving problems
9. Acquiring an interest in learning more by asking questions and seeking answers

**********End of syllabus**********