

Basic Course Information

Semester:	Summer 2016	Instructor Name:	Terrie Sullivan, RN, MSN/Ed., PHN
Course Title & #:	Nursing 100	Email:	terrie.sullivan@imperial.edu
CRN #:	30186		
Classroom:	online	Office #:	RM 2130
Class Dates:	6/20 - 7/28/2016	Office Hours:	by appointment
Class Days:	daily	Office Phone #:	760-355-6425
Class Times:	online	Emergency Contact:	760- 355-6348
Units:	1.0		

Course Description

This course focuses on those components of safe medication calculation and administration. The emphasis is on accuracy of calculation and the critical thinking involved in client/patient safety. This is an intense class on med math calculations that is required of all RN majors. Clinical application is integrated into the clinical nursing courses.

In NURS100, the student is required to apply mathematical principles to the calculation of drug dosages. This includes addition, subtraction, multiplication & division of decimals and fractions. A thorough knowledge of the metric system with emphasis on the conversions is required. Dimensional analysis as it applies to calculating drug dosages is included.

Student Learning Outcomes

Student Learning Outcomes:

Upon completion of this class the student will be able to:

1. Calculate the flow rate of a simple primary intravenous line in ml/hr or drops/min as measured by one (1) randomly selected question on the final exam with a class average for the measured question at 92% or better.
2. Pass a comprehensive final exam on dosage calculations at 75% including critical care and pediatric problems.

Course Objectives

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Course Objectives:

1. Calculate basic mathematic problems including addition, subtraction, multiplication & division of fractions & decimals.
2. Convert metric, apothecary and household measures accurately.
3. Solve dosage problems using dimensional analysis
4. Calculate adult & pediatric dosages.
5. Calculate intravenous flow rates.

6. Interpret drug orders and labels relevant to the safe administration of drugs.
7. Discuss the "Six rights" of clients relative to administration of medications.
8. Describe the routes of administration.

Unit Outcome Competencies:

The student will practice problems in class, in the Nursing Learning Center and at home to develop proficiency in calculations.

Textbooks & Other Resources or Links

REQUIRED

1. **Calculating Dosages Online - (2 Year Access) by Sandra Luz Martinez de Castillo, RN, MA, EdD Copyright © 2014 F.A. Davis Company. ISBN- 978-0-8036-4413-7**

Dosage Calc online This is the actual site that you will do your assignments. The module tests are the actual assignments and you will have a separate test within blackboard.

2. **Dosage Calculations tutorials on <https://www.atitesting.com/home.aspx>.** There are directions on creating account and logging in on the Blackboard site under TEXTBOOKS tab

RECOMMENDED

Dimensional Analysis for Meds, 4th Edition Anna M. Curren, MA, RN Copyright© 2010 Delmar Cengage Learning or any Dimensional analysis dosage calculation book. Has to be Dimensional Analysis method

Course Requirements and Instructional Methods

Classroom work:

The student is expected to bring required materials to class. This includes the required study guides to be worked on during class time.

Tests:

There will be exams covering the topics reviewed in class. They may consist of in class exams and/or exams taken in Blackboard.

THERE ARE NO MAKE-UP EXAMS REGARDLESS OF EXCUSE.

Assignments:

There will be homework assignments from the required Dosage Calculations online site and ATI Testing website. The results of the assignments will be printed out and turned into the instructor by the date that they are due. These assignments will be outlines in blackboard. The assignments will cover the topics discussed in class. **NO LATE WORK WILL BE ACCEPTED.**

Course Grading Based on Course Objectives

This is a nursing course therefore the grading is per the nursing department grading scales. Students must maintain a "C" average grade as determined by the scale below:

- A = 92-100%
- B = 83-91%
- C = 75-82%
- D = 68-74%
- F = Below 68%

Grades will not be “rounded”.

Attendance

[Required Information: Provide detailed information related to types of class activities, assignments, tests, homework, etc. Online and Hybrid courses must demonstrate compliance with the IVC [Regular and Effective Contact Policy for Distance Education](#).]

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

[Required Information: Provide detailed information related to grading practices and grading scale, including values and totals. Consider adding final grade calculation, rubrics, late assignment policy, and other grading practices.]

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student’s status will be the same as that of any other student who desires to add a class. It is the student’s responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as ‘excused’ absences.

Classroom Etiquette

- **Electronic Devices:** Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.

- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **[Blackboard Support Site](#)**. The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **[Learning Services](#)**. There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **[Library Services](#)**. There is more to our library than just books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **[Student Health Center](#)**. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **[Mental Health Counseling Services](#)**. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

Nursing 100 Course Schedule Summer 2016

<p>Week 1 Assignments June 20 – 26, 2016</p>	<p>Introduction to Blackboard and online learning Introduction to Dimensional Analysis</p>	<p>All assignments and Exams Due Sunday at 1130pm</p>
	<p>Purchase the materials:</p> <p><u>REQUIRED</u></p> <p>1. Calculating Dosages Online - (2 Year Access) by Sandra Luz Martinez de Castillo, RN, MA, EdD Copyright © 2014 F.A. Davis Company. ISBN- 978-0-8036-4413-7</p> <p><u>Dosage Calculations online FA Davis</u> This is the actual site that you will do your assignments. The module tests are the actual assignments and you will have a separate test within blackboard.</p> <p>2. Dosage Calculations tutorials on <u>ATItesting Dosage Calculations</u></p> <p><u>RECOMMENDED</u></p> <p>Dimensional Analysis for Meds, 4th Edition Anna M. Curren, MA, RN Copyright© 2010 Delmar Cengage Learning or any Dimensional analysis dosage calculation book. (Has to be Dimensional Analysis method)</p> <p>Read & Understand the Syllabus (Click Syllabus on the left)</p> <p>Read & Understand the Course Policies</p> <p>Read & Understand Week 1 Module.</p> <p>Participate in the Assignment #1 Basic Math Exam</p>	

	Complete Course Policies/Syllabus quiz	
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<p>WEEK 2 Assignments June 27 – July 3, 2016</p>	<p>System Conversions, Reading Drug Labels, Dosage calculations</p>	<p>All assignments and Exams Due Sunday at 1130pm</p>
	<p>Complete Study Guides System conversions and Dosage Calculations</p> <p>Review power points in Week 2</p> <p>Assignment: Study Guide and complete them</p> <p>Complete the Assignment Week 2 in the Weekly section</p> <p>Complete Exam# 1 System Conversions and Dosage Calculations</p>	
<p>WEEK 3 Assignments July 5- 10, 2016</p>	<p>Powdered medications, IV administration</p>	<p>All assignments and Exams Due Sunday at 1130pm</p>
	<p>Assignment: Complete Study Guides Powdered medications, IV administration</p> <p>Review power points in Week 3</p> <p>Review ATI tutorials Safe dosages & Medication Administration, Parenteral (IV) Medications, Powdered medications</p> <p>Complete the Assignment Week 3 in the Weekly section</p>	
<p>WEEK 4 Assignments July 11- 17, 2016</p>	<p>Parenteral (IV) Medications, Dosages by weight, Critical Care medications</p>	<p>All assignments and Exams Due Sunday at 1130pm</p>
	<p>Review ATI tutorials Parenteral (IV) Medications, Dosages by weight, Critical Care medications</p> <p>Review power points in Week 4</p>	

	<p>Study Guides posted in Week 4</p> <p>Complete Assignment Week 4</p> <p>Complete Exam #3: IV's Primary, Piggyback IV's, Specialty IVs. Blood. (Gtts/min & ml/hr)</p>	
<p>WEEK 5 Assignments July 18- 24, 2016</p>	<p>Pediatric Medications</p>	<p>All assignments and Exams Due Sunday at 1130pm</p>
	<p>Review ATI tutorials Pediatric Medications</p> <p>Review power points in Week 5</p> <p>Study Guides posted in Week 5</p> <p>Complete Assignment Week 5</p> <p>Complete Exam 5: Pediatric and critical care</p>	

****Week 6: July 25-28, 2016 Finals week. Final Exam****

*****Tentative, subject to change without prior notice*****